



## FACILITY PERMIT TO OPERATE

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

### NOTICE

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

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

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

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



## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION 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
<b>Process 2: SURFACE COATING</b>					
<b>System 1: COATING OPERATION, BLDG. WC 923</b>					
SPRAY COATING OPERATION, NO. 1, 14 FT W. X 24 FT L. X 10 FT H., 35 PREFILTERS, 1-15 HP EXHAUST FAN, 35-20 X 20 X 12 IN POCKET FILTERS, 15-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436877	D5			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.5, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 3, 24 FT W. X 40 FT L. X 18 FT H., 77 PREFILTERS, 1-30 HP EXHAUST FAN, 77-20 X 20 X 12 IN POCKET FILTERS, 30-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436894	D6			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.5, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 2, 24 FT W. X 40 FT L. X 18 FT H., 77 PREFILTERS, 1-30 HP EXHAUST FAN, 77-20 X 20 X 12 IN POCKET FILTERS, 30-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436895	D7			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.5, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, K67.1

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

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, NO. 5, 36 FT W. X 56 FT L. X 22 FT H., 175 PREFILTERS, 80-24 X 24 X 2 IN PLEAT FILTERS, 80-24 X 24 X 12 IN HEPA FILTERS, 3-50 HP FANS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460623	D131			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1151, 12-11-1998; RULE 1151, 12-2-2005; RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, NO. 6, 36 FT W. X 56 FT L. X 22 FT H., 175 PREFILTERS, 80-24 X 24 X 2 IN PLEAT FILTERS, 80-24 X 24 X 12 IN HEPA FILTERS, 3-50 HP FANS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460624	D134			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1151, 12-11-1998; RULE 1151, 12-2-2005; RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
OVEN, DRYING, NO.6, NATURAL GAS, 8 MMBTU/HR 460624	D135		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 30 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981] CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.16, C6.9, D12.1, D323.2, E71.7
BURNER, BAKE, NATURAL GAS, MAXON, MODEL FX-12-ST, WITH LOW NOX BURNER, 8 MMBTU/HR					E71.7
BURNER, INTAKE AIR, NATURAL GAS, ECLIPSE, MODEL MINNOX 250, 0.92 MMBTU/HR	D221				

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, NO. 7, 36 FT W X 56 FT L X 22 FT H, 273 PREFILTERS, 3-50 HP EXHAUST FANS, 50-24 X 24 X 2 IN PLEAT FILTERS, 50-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460625	D137			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1151, 12-11-1998; RULE 1151, 12-2-2005; RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1

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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  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
OVEN, DRYING, NO.7, NATURAL GAS, 8 MMBTU/HR 460625	D138		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 30 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981] CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.16, C6.9, D12.1, D323.2, E71.7
BURNER, BAKE, NATURAL GAS, MAXON, MODEL FX-12-ST, WITH LOW NOX BURNER, 8 MMBTU/HR					E71.7
BURNER, INTAKE AIR, NATURAL GAS, ECLIPSE, MODEL MINNOX 250, 0.92 MMBTU/HR	D222				

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, NO. 8, 36 FT W X 56 FT L X 22 FT H, 273 PREFILTERS, 3-50 HP EXHAUST FANS, 55-24 X 24 X 2 IN PLEAT FILTERS, 55-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460626	D140			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1151, 12-11-1998; RULE 1151, 12-2-2005; RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, NO. 4, 24 FT W. X 40 FT L. X 22 FT H., 109 PREFILTERS, 2-50 HP EXHAUST FANS, 55-24 X 24 X 2 IN PLEAT FILTERS, 55-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460622	D128			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1151, 12-11-1998; RULE 1151, 12-2-2005; RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.9, D322.1, E71.6, E71.9, E175.5, E193.1, H23.4, K67.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, NO. 4, 14 FT-9 IN W X 30 FT-6 IN L X 9 FT H, 35 PREFILTERS, 1-25 HP EXHAUST FAN, 16-24 X 24 X 2 IN PLEAT FILTERS, 16-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436903	D9			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.5, D322.1, E71.3, E71.9, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 1, 51 FT W X 60 FT L X 25 FT H, 220 PREFILTERS, 4-50 HP EXHAUST FANS, 92-24 IN X 24 IN X 2 IN PLEAT FILTERS, 92-24 IN X 24 IN X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436904	D10			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.7, D322.1, E71.4, E71.8, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 2, 33 FT W X 44 FT L X 25 FT H, 150 PREFILTERS, 3-25 HP EXHAUST FANS, 48-24 IN X 24 IN X 2 IN PLEAT FILTERS, 48-24 IN X 24 IN X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436905	D11			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.4, A63.7, D322.1, E71.4, E71.8, E175.5, E193.1, H23.4, K67.1
<b>System 3: COATING OPERATION, BLDG. WC 907</b>					

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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
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, 10 FT. W. X 32 FT. L. X 10 FT. H., 48 PREFILTERS, 48 POCKET FILTERS, 18-24 IN. X 24 IN. X 12 IN. HEPA FILTERS, TWO 10 HP EXH. FANS, WITH SPRAY BOOTH A/N: 443323	D12			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 3-27-1998]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1124, 9-21-2001; RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.5, D12.2, D322.1, E71.8, E175.5, E193.1, H23.4, K67.1
PUMP, VACUUM, RESIN TRANSFER A/N: 296033	D97	C173		VOC: (9) [RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	E153.1, K67.9
PUMP, VACUUM, RESIN TRANSFER A/N: 296034	D98	C179		VOC: (9) [RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	E153.1, K67.9
CARBON ADSORBER A/N: 296033	C173	D97			E153.1, K67.9
CARBON ADSORBER A/N: 296034	C179	D98			E153.1, K67.9
<b>System 4: COATING OPERATION, BLDG. WC 905</b>					
SPRAY COATING OPERATION, NO. W523, 14 FT W X 12 FT L X 10 FT H, 32 PREFILTERS, 32-20 X 20 X 12 IN POCKET, FILTERS, 6 HEPA PREFILTERS, 6-24 X 24 X 12 IN HEPA FILTERS, 12 HP EXHAUST FAN, WITH SPRAY BOOTH A/N: 467868	D13			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003]	A63.8, C1.5, C6.3, D322.1, E175.6, H23.4, H23.11, K67.1

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 (5) (5A) (5B) Denotes command and control emission limit  
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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, CER-1, 30 FT W X 30 FT L X 11 FT H, 80 PREFILTERS, 1-25.5 HP EXHAUST FAN, 80-24 X 24 X 17 IN POCKET FILTERS, 80-24 X 24 X 17 IN POCKET FILTERS, WITH FABRIC FILTER, SPRAY BOOTH A/N: 436908	D184			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	B27.2, B59.3, C1.10, C6.1, E175.3, H23.4, K67.6
SPRAY COATING OPERATION, ARC, 15 FT W X 22 FT L X 9 FT H, WATER CURTAIN, 1-5 HP WATER CIRCULATION PUMP, 1-1 HP EXHAUST FAN, WITH WATER CURTAIN A/N: 432176	D18			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.8, D322.3, E71.1, E145.1, K67.8
<b>System 5: COATING OPERATION, BLDG. WC 902</b>					
SPRAY COATING OPERATION, PB3, 20 FT W X 20 FT L X 16 FT H, 48 PREFILTERS, 1-10 HP EXHAUST FAN, 48-24 X 24 X 12 IN POCKET FILTERS, 48-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436912	D190			HAP: (9) [RULE 1401, 3-4-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.3, A63.4, A63.5, C1.11, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, H23.9, K67.1

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
HEATER, INDIRECT-FIRED HEAT EXCHANGER, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 408401  BURNER, ECLIPSE RM300, NATURAL GAS, 3 MMBTU/HR	D201		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 62 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D182.2, H23.8
BOILER, PARKER, NATURAL GAS, WITH LOW NOX BURNER, 3.78 MMBTU/HR WITH A/N: 407999  BURNER, PARKER, MODEL NO. 105-90LR, NATURAL GAS, 3.78 MMBTU/HR	D202		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 12 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 38.46 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D182.2, H23.8
<b>System 6: COATING OVENS, BLDG. WC 923</b>					

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
OVEN, CURING, NATURAL GAS, D40101, 0.5 MMBTU/HR A/N: 246513	D20	D22	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C6.4, D323.2
OVEN, CURING, 0.5 MMBTU/HR A/N: 246514	D114	D22	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D323.2
PUMP, VACUUM, R-D40425 A/N: 246514	D22	D20 C21 D114			
MIST ELIMINATOR, OIL COLLECTOR, BALSTON, R-D40425 A/N: 246514	C21	D22		PM: (9) [RULE 404, 2-7-1986]	D323.1
<b>System 7: COATING OVENS, BLDG. WC 905</b>					
OVEN, CURING, NATURAL GAS, D34821, 0.75 MMBTU/HR A/N: 236595	D23		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B89.1, C1.2, C6.4, D323.2

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
OVEN, CURING, NATURAL GAS, D62332, 2 MMBTU/HR A/N: 180422	D26		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D323.2
OVEN, CURING, NATURAL GAS, 0.473 MMBTU/HR A/N: 306704	D107		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C6.8, D323.2
OVEN, CURING, 0.41 MMBTU/HR A/N: 306706	D109		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C6.8, D323.2
AUTOCLAVE, CURING, THERMAL EQ., SERIAL NO. 179, ELECTRICALLY HEATED A/N: 377516	D110			PM: (9) [RULE 404, 2-7-1986]	C6.10

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
OVEN, CURING, NATURAL GAS, 0.504 MMBTU/HR A/N: 306708	D111		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C6.8, D323.2
OVEN, CURING, NATURAL GAS, 0.504 MMBTU/HR A/N: 306709	D112		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C6.8, D323.2
OVEN, CURING, NATURAL GAS, 0.473 MMBTU/HR A/N: 306703	D106		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C6.8, D323.2
<b>System 8: COATING OVENS, BLDG. WC 902</b>					
OVEN, CURING, 1.5 KW A/N: 408406	D104			PM: (9) [RULE 404, 2-7-1986]	C6.8
<b>System 9: COATING OVENS, BLDG. WC 202</b>					
OVEN, CURING, 24 KW A/N: 306705	D108			PM: (9) [RULE 404, 2-7-1986]	C6.8
<b>System 10: COATING OPERATION, BLDG. WC 202</b>					

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, OPEN AIR SPRAY, D46246 A/N: 186570	D17			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	C1.8, H23.5
<b>System 12: VARIOUS BUILDINGS</b>					
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390077	D206			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390078	D207			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390079	D208			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390080	D209			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390081	D210			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	A63.4, B27.4, C1.12, E175.4, H23.5

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: SURFACE COATING</b>					
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINK, HVLP, MACH 1 A/N: 390082	D211			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	A63.4, B27.4, C1.12, E175.4, H23.5
NEGATIVE AIR MACHINE/HEPA FILTER, CREATIVE AUTOMATION, MODEL NO. PEC1000, PORTABLE, WITH NEGATIVE AIR MACHINE - HEPA FILTERS A/N: 436913	C218			PM: (9) [RULE 404, 2-7-1986]	C6.3, D322.1, E175.2, K67.1, K67.3
<b>Process 3: INTERNAL COMBUSTION</b>					
<b>System 1: EMERGENCY, BLDG. WC 907</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, R-D14148, WITH INTAKE AIR COOLER, 210 HP A/N: 436914	D35		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	C1.9

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: INTERNAL COMBUSTION</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, GENERAC, MODEL 13.3TA, DIESEL FUEL, PORTABLE, WITH AFTERCOOLER, TURBOCHARGER, 240 HP A/N: 436915	D194		NOX: PROCESS UNIT**	CO: 8.5 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 6.9 GRAM/BHP-HR DIESEL (4) [RULE 2005, 5-6-2005]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.38 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; VOC: 1 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	C1.9, C1.14, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, KOHLER, MODEL 35RZ, PROPANE, 82 BHP WITH A/N: 436916	D195	C196	NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 2005, 5-6-2005]; NOX: 139 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	C1.9, C1.14, K67.10
NON-SELECTIVE CATALYTIC REDUCTION	C196	D195			
<b>System 2: EMERGENCY, BLDG. WC 203</b>					

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: INTERNAL COMBUSTION</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, KOHLER POWER SYSTEMS, MODEL 80-RZG, PROPANE, WITH CATALYTIC CONVERTER, JOHNSON MATTHEY, 136 BHP A/N: 436920	D217		NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 2005, 5-6-2005]; NOX: 139 LBS/1000 GAL PROPANE (1) [RULE 2012, 5-6-2005]; VOC: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	C1.9, C1.14, K67.10
<b>System 8:</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, JOHN DEERE, MODEL JU6H-UF50, DIESEL FUEL, 210 BHP A/N: 451733	D224		NOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 4.9 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	B61.1, C1.9, C1.15, H23.10, K67.7
<b>Process 4: EXTERNAL COMBUSTION</b>					
<b>System 1: BOILER, BLDG. WC 905</b>					

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: EXTERNAL COMBUSTION</b>					
BOILER, NO. 22, DIESEL FUEL, NATURAL GAS, M13930, 5.23 MMBTU/HR A/N: C25174	D36		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 6.42 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	D332.1, D371.1, H23.8
BOILER, NO. 21, DIESEL FUEL, NATURAL GAS, M13931, 5.23 MMBTU/HR A/N: C25175	D37		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 6.42 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	D332.1, D371.1, H23.8

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: EXTERNAL COMBUSTION</b>					
BOILER, DIESEL FUEL, NATURAL GAS, M25052, 1.26 MMBTU/HR A/N: C35156	D38		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5A) [RULE 1146.2, 1-9-1998; RULE 1146.2, 1-7-2005]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 6.42 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	H23.8
<b>System 2: BOILER, BLDG. WC 902</b>					
BOILER, NO. 4, DIESEL FUEL, NATURAL GAS, M18364, 5.325 MMBTU/HR A/N: C23598	D40		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 6.42 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	D332.1, D371.1, H23.8

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: EXTERNAL COMBUSTION</b>					
BOILER, NO. 9, DIESEL FUEL, NATURAL GAS, 5.23 MMBTU/HR A/N: 422652	D41		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 6.42 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	D332.1, D371.1, H23.8
BOILER, NO. 10, DIESEL FUEL, NATURAL GAS, 5.23 MMBTU/HR A/N: 422653	D42		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 6.42 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	D332.1, D371.1, H23.8
BOILER, # 30, NATURAL GAS, WITH LOW NOX BURNER, 5 MMBTU/HR A/N: 259256	D74		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D332.1, H23.8

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: EXTERNAL COMBUSTION</b>					
BOILER, NO. 8, NATURAL GAS, WITH LOW EXCESS AIR FIRING, 5 MMBTU/HR A/N: 220655	D113		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 47.75 LBS/MMSCF NATURAL GAS (4) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D332.1, H23.8
<b>System 3: BOILER, BLDG. WC 202</b>					
BOILER, # 14, NATURAL GAS, 7.5 MMBTU/HR A/N: 180421	D63		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D332.1, H23.8
<b>Process 5: FABRICATED METALS</b>					
<b>System 2: AUTOCLAVES, BLDG. WC 905</b>					
AUTOCLAVE, NATURAL GAS, D06323, 15.6 MMBTU/HR A/N: 179776	D45		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.7, C6.6, D12.1, D323.2

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: FABRICATED METALS</b>					
AUTOCLAVE, NATURAL GAS, D62333, 12.2 MMBTU/HR A/N: 180425	D46		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.7, D12.1, D323.2
AUTOCLAVE, NATURAL GAS, D62334, 12.2 MMBTU/HR A/N: 180424	D47		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.7, D12.1, D323.2
AUTOCLAVE, NATURAL GAS, D62335, 8 MMBTU/HR A/N: 180423	D48		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D323.2
AUTOCLAVE, NATURAL GAS, D06324, 7.3 MMBTU/HR A/N: 181597	D24		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C6.6, D323.2
<b>System 3: ABRASIVE BLASTING</b>					

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: FABRICATED METALS</b>					
FORMING MACHINE, METAL TUBE BENDING, EATON LEONARD, MODEL VB30-GL, SERIAL NO. VB 30-109-GL, 20 KW ELECTRICALLY HEATED A/N: 503504	D229				A63.10, B27.6, H23.12
<b>Process 8: RESIN BLENDING</b>					
<b>System 1: BLDG. WC 905</b>					
MIXER, RESIN BLENDING RESEARCH UNIT, W/FUME HOOD, D72824 A/N: 274113	D62			PM: (9) [RULE 404, 2-7-1986]	C1.3
<b>Process 10: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E162				H23.1
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E163				H23.2
RULE 219 EXEMPT EQUIPMENT, SMALL BOILERS, WATER HEATERS AND PROCESS HEATERS, >1 MMBTU/HR AND <= 2 MMBTU/HR	E164			CO: 400 PPMV (5A) [RULE 1146.2, 1-9-1998; RULE 1146.2, 1-7-2005]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV (5) [RULE 1146.2, 1-9-1998; RULE 1146.2, 1-7-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E165			PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D381.1, E102.1, K67.5

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, SHOT PEENING, AND ANY CONTROL EQUIPMENT	E166			PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D381.1, E102.1, K67.5
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, PORTABLE, < 66 % VOLUME WATER	E167			PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]	D323.1
RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT	E168			VOC: (9) [RULE 1130, 10-8-1999; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E169				H23.3
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E170			VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	H23.5
RULE 219 EXEMPT EQUIPMENT, SPRAY COATING ENCLOSURES, < 8 FT3 INTERNAL VOLUME	E171			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	H23.4
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E172			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 6-9-2006; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	K67.2

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, HAND LAY, BRUSH AND ROLL UP RESIN OPERATIONS	E174			VOC: (9) [RULE 1162, 11-17-2000; RULE 1162, 7-8-2005; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E175			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]	
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E178				H23.6
RULE 219 EXEMPT EQUIPMENT, DEGREASERS, HEATED, < 1.0 FT2	E180				D322.4, H23.3, H339.1, H339.2
<b>Process 11: SURFACE PREPARATION</b>					
<b>System 1: OPEN PROCESS TANKS, BLDG. WC 907</b>					
PROCESS TANK, NO. 80A, DEOXIDIZING, ALDOX V, NITRIC ACID, STEAM HEATED, 3 FT. W. X 6 FT. L. X 3 FT.-6 IN. H. A/N: 365145	D186				B59.3
PROCESS TANK, NO. 82, CHEMICAL CONVERSION, ALODINE 600, UNHEATED, 3 FT. W. X 6 FT. L. X 3 FT.-6 IN. H. A/N: 365145	D187				B59.3
PROCESS TANK, NO. 201MA, ETCHING, AMMONIUM BIFLUORIDE, NITRIC ACID, UNHEATED, 3 FT. W. X 6 FT. L. X 3 FT.-6 IN. H. A/N: 365145	D188				B59.3

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 11: SURFACE PREPARATION</b>					
SCRUBBER, HARRINGTON, MODEL NO. ECV 44-5, PACKED BED, 4 FT. W. X 5 FT.-11 IN. L. X 14 FT.-3 IN. H. A/N: 393913	C189				C8.1, C8.2

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

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

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

**SECTION D: DEVICE ID INDEX**

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

**FACILITY PERMIT TO OPERATE  
 NORTHROP GRUMMAN CORP, AIRCRAFT DIV  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D5	1	2	1
D6	1	2	1
D7	1	2	1
D8	11	2	2
D9	12	2	2
D10	12	2	2
D11	12	2	2
D12	13	2	3
D13	13	2	4
D17	19	2	10
D18	14	2	4
D20	16	2	6
C21	16	2	6
D22	16	2	6
D23	16	2	7
D24	28	5	2
D26	17	2	7
D35	20	3	1
D36	24	4	1
D37	24	4	1
D38	25	4	1
D40	25	4	2
D41	26	4	2
D42	26	4	2
D45	27	5	2
D46	28	5	2
D47	28	5	2
D48	28	5	2
D62	30	8	1
D63	27	4	3
D74	26	4	2
D97	13	2	3
D98	13	2	3
D100	29	5	3
C101	29	5	3

**FACILITY PERMIT TO OPERATE  
 NORTHROP GRUMMAN CORP, AIRCRAFT DIV  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D104	18	2	8
D106	18	2	7
D107	17	2	7
D108	18	2	9
D109	17	2	7
D110	17	2	7
D111	18	2	7
D112	18	2	7
D113	27	4	2
D114	16	2	6
D125	22	3	2
D126	22	3	3
D128	10	2	1
D129	11	2	1
D131	2	2	1
D132	3	2	1
D134	4	2	1
D135	5	2	1
D137	6	2	1
D138	7	2	1
D140	8	2	1
D141	9	2	1
E162	30	10	0
E163	30	10	0
E164	30	10	0
E165	30	10	0
E166	31	10	0
E167	31	10	0
E168	31	10	0
E169	31	10	0
E170	31	10	0
E171	31	10	0
E172	31	10	0
C173	13	2	3
E174	32	10	0

**FACILITY PERMIT TO OPERATE  
 NORTHROP GRUMMAN CORP, AIRCRAFT DIV  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
E175	32	10	0
E178	32	10	0
C179	13	2	3
E180	32	10	0
D184	14	2	4
D185	29	5	4
D186	32	11	1
D187	32	11	1
D188	32	11	1
C189	33	11	1
D190	14	2	5
D193	29	5	3
D194	21	3	1
D195	21	3	1
C196	21	3	1
D201	15	2	5
D202	15	2	5
D206	19	2	12
D207	19	2	12
D208	19	2	12
D209	19	2	12
D210	19	2	12
D211	20	2	12
C213	29	5	3
D214	22	3	4
D216	29	5	4
D217	23	3	7
C218	20	2	12
D219	11	2	1
D220	3	2	1
D221	5	2	1
D222	7	2	1
D223	9	2	1
D224	23	3	8
D229	30	5	5

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

#### **FACILITY CONDITIONS**

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

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

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

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

F48.1 The operator shall not use at this facility fuel oils with sulfur contents that do not comply with Rule 431.2.

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

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

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

1. The devices served by the fuel meters shall be electrically wired in such a manner that their operation cannot be initiated without the fuel meters first being activated.
2. The fuel meters and temperature transducers shall be calibrated annually by the manufacturer, KRAL-USA, Inc. or their designated representative. Dual fuel meters shall be calibrated on the same day, using the same equipment. The fuel meters shall be calibrated as specified by KRAL-USA, Inc. in the protocols submitted to the South Coast Air Quality Management District dated July 17, 2001 without deviation unless written approval is granted.
3. The calculations of electronic flow computers, for display of flow measurement results, shall be verified at the time of the fuel meter calibration by KRAL-USA, Inc. or their designated representative. Calibration results shall be maintained at the facility for a minimum of three years after the date of calibration and made available to District personnel upon request.
4. The fuel meters and its electronic components shall be sealed by the manufacturer, KRAL-USA, Inc., or their designated representative. Such seal shall only be broken by the manufacturer, or their designated representative, for testing, maintenance or repair purposes. The fuel meter shall be re-sealed immediately after the completion of the test or repair.
5. A maintenance log shall be maintained to record every testing, maintenance, repair or calibration of a fuel meter. Each log shall be positively identified for each fuel meter and the device it serves. The log shall be kept at the facility for a minimum of three years after the end of each compliance year and made available to District personnel upon request.
6. The fuel meters shall not be equipped with keypad or buttons that allow changes to the programming or data contained in the units. A portable keypad may be used by the manufacturer, or their representative, for testing, maintenance, or repair purposes. In addition, access to the program and data contained in the units shall be passcode protected. This passcode shall only be made available to the manufacturer, or their designated representative.

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 2012, 5-6-2005]

#### DEVICE CONDITIONS

##### A. Emission Limits

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

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

[RULE 1401, 3-17-2000]

[Devices subject to this condition : D190]

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

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

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

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[Devices subject to this condition : D13, D18]

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

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

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

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

[Devices subject to this condition : D128]

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

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

[Devices subject to this condition : D229]

#### **B. Material/Fuel Type Limits**

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

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D100]

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

[RULE 1401, 8-13-1999]

[Devices subject to this condition : D184]

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

[RULE 1401, 6-15-2001]

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[RULE 1401, 5-3-2002]

[Devices subject to this condition : D216]

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

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D229]

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

Aluminum oxide type abrasives.

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

[Devices subject to this condition : D193]

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- Aluminum oxide abrasives.
- Non-toxic organic abrasives.
- Plastic media abrasives.
- Foam-covered aluminum oxide abrasives.

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

[Devices subject to this condition : D100]

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

- VOC-containing materials.

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

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

B61.1 The operator shall only use fuel oil containing the following specified compounds:

Compound	Amount	ppm by weight
Sulfur	less than or equal to	15

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

[Devices subject to this condition : D224]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

[Devices subject to this condition : D23]

#### **C. Throughput or Operating Parameter Limits**

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

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

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

[Devices subject to this condition : D23]

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

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

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

[Devices subject to this condition : D62]

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

[Devices subject to this condition : D13]

C1.7 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

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

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

[Devices subject to this condition : D45, D46, D47]

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

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

[Devices subject to this condition : D17]

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

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

[Devices subject to this condition : D184]

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

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

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

**[RULE 1401, 3-17-2000]**

[Devices subject to this condition : D190]

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

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

Operation beyond 50 hours per year for maintenance and testing is allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage provided that: 1) the electrical grid operator or the electric utility 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 2) the engine is located in a utility service block that is subject to the rotating outage.

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

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

C1.15 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

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

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 3-4-2005]**

[Devices subject to this condition : D224]

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

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

[Devices subject to this condition : D184]

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

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

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

[Devices subject to this condition : D13, C218]

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

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D20, D23]

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

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

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

[Devices subject to this condition : D24, D45]

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

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

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

[Devices subject to this condition : C101, C213]

C6.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

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

[Devices subject to this condition : D110]

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

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

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

[Devices subject to this condition : C189]

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

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

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

[Devices subject to this condition : C189]

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

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

[Devices subject to this condition : D125, D126]

#### **D. Monitoring/Testing Requirements**

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

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

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

D12.2 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the prefilters and pocket filters.

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

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

[Devices subject to this condition : D12]

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

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

Source testing shall be conducted within 180 days after the initial start-up unless otherwise approved in writing by the Executive Officer.

The source tests shall be performed to verify compliance with the NO<sub>x</sub> and CO emission limits specified by this permit.

The tests shall be conducted while the burner is firing at maximum, minimum, and average firing rates for each type of fuel used in this equipment.

Written notice of the source tests 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 testing so that an observer can be present.

Two complete copies of the source test reports shall be submitted to the District (South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765) within 45 days after the test. The report shall include, but may not be limited to emissions rates in pounds per hour and concentrations in ppmv at the outlet of the boiler, measured on a dry basis at 3% oxygen. The following operating data shall also be included for each firing rate:

- A. The exhaust flow rates, in actual cubic feet per minute (ACFM).
- B. The firing rates, in BTU per hour.
- C. The exhaust temperature, in degrees F.
- D. The oxygen content of the the exhaust gases, in percent.
- E. The fuel flow rate.

A testing laboratory certified by the California Air Resources Board in the required test methods for criteria pollutant to be measured, and in compliance with District Rule 304 (non conflict of interest) shall conduct the test.

Sampling facilities shall comply with the District Guidelines for Construction of

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Sampling and Testing Facilities, pursuant to Rule 217.

**[RULE 1146, 11-17-2000; 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, D202]

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

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

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

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

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

[Devices subject to this condition : D18]

D322.4 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 : E180]

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

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

[Devices subject to this condition : C101, C213]

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

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

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

[Devices subject to this condition : C21, E167]

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

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

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D20, D23, D24, D26, D45, D46, D47, D48, D100, D106, D107, D109, D111, D112, D114, D129, D132, D135, D138, D141]

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

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

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

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

D371.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever this equipment has combusted one million gallons of diesel fuel, to be counted cumulatively over a five year period. The inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall:

Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three working days (or during the next fuel oil firing period if the unit ceases firing on fuel oil within the three working day time frame) and report any deviations to AQMD.

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

- a). Stack or emission point identification;
- b). Description of any corrective actions taken to abate visible emissions;
- c). Date and time visible emission was abated; and
- d). Visible emission observation record by a certified smoke reader.

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

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

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

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

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

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

[Devices subject to this condition : E165, E166]

#### **E. Equipment Operation/Construction Requirements**

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

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

[Devices subject to this condition : D18]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

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

[Devices subject to this condition : D128]

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

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

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

[Devices subject to this condition : D18]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

[Devices subject to this condition : C218]

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

NESHAP three-stage filters

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

[Devices subject to this condition : D184]

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[RULE 1401, 6-15-2001]

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

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

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

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

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

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1469.1, 3-4-2005; 40CFR 63 Subpart GG, 12-8-2000]

[Devices subject to this condition : D13]

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

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

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

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

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

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

This condition shall not apply to the equipment operating under Device no. D190 until 12/31/2005, unless otherwise approved in writing by the District.

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

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

#### **H. Applicable Rules**

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

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

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

[Devices subject to this condition : E160, E162]

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

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

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

[Devices subject to this condition : E163]

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

Contaminant	Rule	Rule/Subpart
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## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

ROG                      | District Rule    | 1122

**[RULE 1122, 10-1-2004]**

[Devices subject to this condition : E169, E180]

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

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

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

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

**[RULE 109, 5-2-2003]**

[Devices subject to this condition : D17, E170, D206, D207, D208, D209, D210, D211]

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

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E178]

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

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	DDDDD

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

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

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

Contaminant	Rule	Rule/Subpart
Rule 1401 compounds	District Rule	1401

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

[RULE 1401, 3-4-2005]

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D190]

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

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

[RULE 1470, 3-4-2005; **RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D224]

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

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1469.1

[RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D13]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	442

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

[Devices subject to this condition : D229]

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.

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

[Devices subject to this condition : E180]

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 : E180]

### **K. Record Keeping/Reporting**

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

Date, time and results of inspection.

Date, time and description of repairs made.

Weekly record of pressure drop across the filter media.

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

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

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

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

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

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

[Devices subject to this condition : E172]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Hexavalent chromium emissions based on an overall removal efficiency of 88 percent.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : C218]

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

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

Date, time and results of inspection.

Date, time and description of repairs made.

Daily record of pressure drop across the filter media.

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

[Devices subject to this condition : C101, C213]

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

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

Date, time and results of inspection.

Date, time and description of repairs made.

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

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : E165, E166]

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

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

Date, time and results of inspection.

Date, time and description of repairs made.

Weekly record of pressure drop across the filter media.

Daily quantity of ceramic coatings sprayed.

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

[Devices subject to this condition : D184]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Date of operation.

Hours of operation.

Reason for operation.

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

[Devices subject to this condition : D224]

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

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

Date, time and results of inspection.

Date, time and description of repairs made.

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

[Devices subject to this condition : D18]

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

Gallons of resin transferred through the vacuum pump.

Date of carbon replacement.

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

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

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

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

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



## FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN CORP, AIRCRAFT DIV

### 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
<b>Process 5: FABRICATED METALS</b>					
BAGHOUSE, UNITED AIR SPECIALISTS, MODEL NO. SFC4-2-DD, FOUR 13" DIA. X 26" L., CARTRIDGE FILTERS, 1,020 SQ. FT. TOTAL FILTER AREA, ONE 7.5 HP BLOWER A/N: 502553 Permit to Construct Issued: 12/29/09	C228	D100		PM10: (9) [RULE 404, 2-7-1986]	C6.7, D322.5, E102.1, K67.4

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

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

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

**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 CORP, AIRCRAFT DIV**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D225	1	5	2
C227	1	5	3
C228	2	5	3

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

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

#### **FACILITY CONDITIONS**

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

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

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

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

F48.1 The operator shall not use at this facility fuel oils with sulfur contents that do not comply with Rule 431.2.

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

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

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

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

1. The devices served by the fuel meters shall be electrically wired in such a manner that their operation cannot be initiated without the fuel meters first being activated.
2. The fuel meters and temperature transducers shall be calibrated annually by the manufacturer, KRAL-USA, Inc. or their designated representative. Dual fuel meters shall be calibrated on the same day, using the same equipment. The fuel meters shall be calibrated as specified by KRAL-USA, Inc. in the protocols submitted to the South Coast Air Quality Management District dated July 17, 2001 without deviation unless written approval is granted.
3. The calculations of electronic flow computers, for display of flow measurement results, shall be verified at the time of the fuel meter calibration by KRAL-USA, Inc. or their designated representative. Calibration results shall be maintained at the facility for a minimum of three years after the date of calibration and made available to District personnel upon request.
4. The fuel meters and its electronic components shall be sealed by the manufacturer, KRAL-USA, Inc., or their designated representative. Such seal shall only be broken by the manufacturer, or their designated representative, for testing, maintenance or repair purposes. The fuel meter shall be re-sealed immediately after the completion of the test or repair.
5. A maintenance log shall be maintained to record every testing, maintenance, repair or calibration of a fuel meter. Each log shall be positively identified for each fuel meter and the device it serves. The log shall be kept at the facility for a minimum of three years after the end of each compliance year and made available to District personnel upon request.
6. The fuel meters shall not be equipped with keypad or buttons that allow changes to the programming or data contained in the units. A portable keypad may be used by the manufacturer, or their representative, for testing, maintenance, or repair purposes. In addition, access to the program and data contained in the units shall be passcode protected. This passcode shall only be made available to the manufacturer, or their designated representative.

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

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

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

#### **DEVICE CONDITIONS**

##### **C. Throughput or Operating Parameter Limits**

C1.7 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D225]

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

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

[Devices subject to this condition : D225]

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

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

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

[Devices subject to this condition : C227, C228]

##### **D. Monitoring/Testing Requirements**

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

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

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

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

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

[Devices subject to this condition : D225]

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

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

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

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

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

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

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

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

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

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

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

[Devices subject to this condition : D225]

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

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

[Devices subject to this condition : C227, C228]

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

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

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

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

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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

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

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

[Devices subject to this condition : D225]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the CO limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D225]

#### **E. Equipment Operation/Construction Requirements**

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

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

[Devices subject to this condition : C227, C228]

#### **K. Record Keeping/Reporting**

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

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

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

[Devices subject to this condition : D225]

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

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

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

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

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

Date, time and results of inspection.

Date, time and description of repairs made.

Daily record of pressure drop across the filter media.

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

[Devices subject to this condition : C227, C228]