

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
System 1: SURFACE PREPARATION					
PROCESS TANK, NO.1, ALKALINE CLEANING, HEATED, 9-KW, WIDTH: 1 FT 7 IN; HEIGHT: 2 FT ; LENGTH: 4 FT A/N:	D276				A433.1, C6.5, E193.1
PROCESS TANK, NO.4, ALKALINE SOAK, HEATED, 27-KW, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D277	C162			A433.1, C6.6, E193.1
PROCESS TANK, NO.6, ALKALINE ETCH, SODIUM HYDROXIDE, HEATED, 27-KW, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D278	C162			A433.1, C6.6, E193.1
PROCESS TANK, NO.8, CONVERSION COATING, UNHEATED, AIR SPARGED, SULFURIC ACID, INORGANIC ACID, NITRIC ACID, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D279	C162			A433.1, E193.1
PROCESS TANK, NO.10, CHEM FILM, UNHEATED, CHROMIC ACID, BARIUM NIRATE, SODIUM SILICOFLUORIDE, FERRICYANIDE, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D280	C162			A433.1, E193.1

- * (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.

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Process 1: FABRICATED METALS					
PROCESS TANK, NO.76, ACID ETCH/MILL, UNHEATED, TRISODIUM PHOSPHATE, SODIUM FLUORIDE, HYDROCHLORIC ACID, HYDROFLUORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D317	C162			A433.1, E193.1
PROCESS TANK, NO.77, ACID ETCH/MILL, UNHEATED, NITRIC ACID, CHROMIC ACID, HYDROFLUOSILICIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D318	C162			A433.1, E193.1
PROCESS TANK, NO.79, ACID CLEAN, UNHEATED, NITRIC ACID, HYDROFLUORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D319	C162			A433.1, E193.1
PROCESS TANK, NO.80, ACID CLEAN, UNHEATED, NITRIC ACID, HYDROFLUORIC ACID, TRISODIUM PHOSPHATE, SODIUM FLUORIDE, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D320	C162			A433.1, E193.1
PROCESS TANK, NO.82, PASSIVATION, UNHEATED, NITRIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D321				A433.1, E193.1

- * (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

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Process 1: FABRICATED METALS					
PROCESS TANK, NO.84, PASSIVATION, HEATED, SODIUM METASILICATE, SODIUM HYDROXIDE, SODIUM TRIPOLYPHOSPHATE, ROSEN SOAP, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D322				A433.1, C6.6, C6.15, E193.1
PROCESS TANK, NO.85, ALKALINE CLEAN, HEATED, DETERGENT, SODIUM HYDROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D323				A433.1, C6.7, E193.1
PROCESS TANK, NO.86, CLEANING, HEATED, AIR SPARGED, ALKALINE DETERGENT, WIDTH: 4 FT 8 IN; HEIGHT: 3 FT 11.5 IN; LENGTH: 1 FT 8 IN A/N:	D324	C162			A433.1, C6.8, E193.1
PROCESS TANK, NO.88, ACID CLEAN, HEATED, SULFURIC ACID, SODIUM DICHROMATE, WIDTH: 4 FT 8 IN; HEIGHT: 3 FT 11.5 IN; LENGTH: 1 FT 8 IN A/N:	D325	C162			A433.1, C6.6, E193.1
PROCESS TANK, NO.89, CONVERSION COATING, HEATED, 3-KW, SODIUM HYDROXIDE, WIDTH: 1 FT ; HEIGHT: 1 FT 6 IN; LENGTH: 1 FT 6 IN A/N:	D326				A433.1, C6.9, E193.1

- * (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.)
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Process 1: FABRICATED METALS					
BENCH, HEATED, CHEMICAL ANALYSIS, TECHNICSTRIP AU/ENSTRIP AU-78, LENGTH: 25IN; WIDTH: 25IN; HEIGHT: 36IN; A/N:	D329	C162			A433.5, E193.1
BENCH, HEATED, ETCHING/STRIPPING, NITRIC ACID, SULFURIC ACID, AND SODIUM HYDROXIDE, WIDTH: 32IN; LENGTH: 32IN; HEIGHT: 36IN; A/N:	D330	C162			A433.6, E193.1
System 2: COPPER PLATING					
PROCESS TANK, NO.49, ACID CLEAN, UNHEATED, FLUORBORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D301				A433.2, E448.1
PROCESS TANK, NO.51, COPPER PLATE, WITH A 100 AMP RECTIFIER, HEATED, COPPER PYROPHOSPHATE, AMMONIA, LEAD METHANE SULFONATE, WIDTH: 2 FT 8 IN; HEIGHT: 2 FT ; LENGTH: 2 FT 8 IN A/N:	D302	C162			A433.2, C6.10, E448.1
PROCESS TANK, NO.52, COPPER PLATE, WITH A 100 AMP RECTIFIER, HEATED, COPPER PYROPHOSPHATE, AMMONIA, LEAD METHAN SULFONATE, WIDTH: 2 FT 8 IN; HEIGHT: 2 FT ; LENGTH: 2 FT 8 IN A/N:	D303	C162			A433.2, C6.10, E448.1

- * (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.54, ACID CLEAN, UNHEATED, SULFURIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D304				A433.2, E448.1
PROCESS TANK, NO.56, COPPER PLATE, WITH A 150 AMP RECTIFIER, HEATED, COPPER CYANIDE, SODIUM CYANIDE, SODIUM CARBONATE, POTASSIUM SODIUM TARTRATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D305	C162			A433.2, C6.11, E448.1
PROCESS TANK, NO.64, COPPER PLATE, WITH A 100 AMP RECTIFIER, UNHEATED, AIR SPARGED, COPPER SULFATE, SULFURIC ACID, HYDROCHLORIC ACID, WIDTH: 3 FT 9 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D310	C162			A433.2, E448.1
PROCESS TANK, NO.65, COPPER PLATE, WITH A 100 AMP RECTIFIER, UNHEATED, AIR SPARGED, COPPER SULFATE, SULFURIC ACID, HYDROCHLORIC ACID, WIDTH: 3 FT 9 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D311	C162			A433.2, E448.1

- * (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.)
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Process 1: FABRICATED METALS					
PROCESS TANK, NO.67, ACID CLEAN, UNHEATED, SULFURIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D312				A433.2, E448.1
PROCESS TANK, NO.68, COPPER CLEAN, HEATED, DETERGENT, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D313				A433.2, C6.10, E448.1
PROCESS TANK, NO.70, ACID CLEAN, UNHEATED, NITRIC ACID, PHOSPHORIC ACID, ACETIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D314				A433.2, E448.1
PROCESS TANK, NO.71, ACID CLEAN, UNHEATED, NITRIC ACID, PHOSPHORIC ACID, ACETIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D315				A433.2, E448.1
System 3: NICKEL PLATING					
PROCESS TANK, NO.12, ETCH, UNHEATED, NITRIC ACID, HYDROFLUORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 7.25 IN A/N:	D281	C162			A433.3, E448.1

- * (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.)
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Process 1: FABRICATED METALS					
PROCESS TANK, NO.14, ACID CLEAN, UNHEATED, NITRIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D282				A433.3, E448.1
PROCESS TANK, NO.16, ALKALINE ETCH, UNHEATED, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D283				A433.3, E448.1
PROCESS TANK, NO.19, ELECTROLESS NICKEL, HEATED, ACETIC ACID, TETRASOD SALT, SOD HYPOPHOSPHITE, NH3, LEAD ACE, NI SULFATE, H2SO4, WIDTH: 2 FT ; HEIGHT: 2 FT 4 IN; LENGTH: 3 FT A/N:	D284	C162			A433.3, C6.12, E448.1
PROCESS TANK, NO.20, ELECTROLESS NICKEL, HEATED, ACETIC ACID, TETRASOD SALT, SOD HYPOPHOSPHITE, NH3, LEAD ACE, NI SULFATE, H2SO4, WIDTH: 2 FT ; HEIGHT: 2 FT 4 IN; LENGTH: 3 FT A/N:	D285	C162			A433.3, C6.12, E448.1
PROCESS TANK, NO.23, STRIPPING, UNHEATED, NITRIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D286	C162			A433.3, E448.1

- * (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.)
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Process 1: FABRICATED METALS					
PROCESS TANK, NO.25, SOLDER STRIP, UNHEATED, AMMONIUM BIFLUORIDE, HYDROGEN PEROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D287	C162			A433.3, E448.1
PROCESS TANK, NO.26, SOLDER STRIP, UNHEATED, AMMONIUM BIFLUORIDE, HYDROGEN PEROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D288	C162			A433.3, E448.1
PROCESS TANK, NO.27, ALKALINE CLEAN, HEATED, SODIUM HYDROXIDE, SODIUM METASILICATE, SODIUM CARBONATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D289				A433.3, C6.6, E448.1
PROCESS TANK, NO.29, ACID CLEAN, UNHEATED, HYDROCHLORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D290	C162			A433.3, E448.1

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 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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Process 1: FABRICATED METALS					
PROCESS TANK, NO.31, NICKEL STRIKE, WITH A 200 AMP RECTIFIER, UNHEATED, NICKEL CHLORIDE, HYDROCHLORIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D291	C162			A433.3, E448.1
PROCESS TANK, NO.33, NICKEL PLATE, WITH A 100 AMP RECTIFIER, HEATED, NICKEL SULFAMATE, NICKEL BROMIDE, BORIC ACID, WIDTH: 2 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D292	C162			A433.3, C6.14, E448.1
PROCESS TANK, NO.35, ALKALINE ETCH, UNHEATED, AMMONIUM PERSULFATE, SODIUM BISULFATE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D293				A433.3, E448.1
System 4: PRECIOUS METAL PLATING					
PROCESS TANK, NO.38, GOLD PLATING, WITH A 50 AMP RECTIFIER, HEATED, POTASSIUM CYANOAUATE, THALLIUM COMPOUND, OROTEMP SOLUTION, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D294	C162			A433.4, C6.13, E448.1

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 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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Process 1: FABRICATED METALS					
PROCESS TANK, NO.39, GOLD PLATING, WITH A 50 AMP RECTIFIER, HEATED, POTASSIUM CYANOaurate, THALLIUM COMPOUND, OROTEMP SOLUTION, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D295	C162			A433.4, C6.13, E448.1
PROCESS TANK, NO.41, ALKALINE RINSE, UNHEATED, SODIUM HYDROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D327				A433.4
PROCESS TANK, NO.42, GOLD PLATING, POTASSIUM AUROCYANIDE, COBALT COMPLEX, NICKEL COMPLEX, POTASSIUM CITRATE, CITRIC ACID, MONOPOTASSIUM PHOSPHATE, WITH A 100 AMP RECT, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D296	C162			A433.4, C6.10, E448.1

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 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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Process 1: FABRICATED METALS					
PROCESS TANK, NO.43, GOLD PLATING, POTASSIUM AUROCYANIDE, COBALT COMPLEX, NICKEL COMPLEX, POTASSIUM CITRATE, CITRIC ACID, MONOPOTASSIUM PHOSPHATE, WITH A 100 AMP RECT, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D297	C162			A433.4, C6.10, E448.1
PROCESS TANK, NO.45, GOLD PLATING, WITH A 100 AMP RECTIFIER, HEATED, POTASSIUM CITRATE, CITRIC ACID, MONOPOTASSIUM PHOSPHATE, POTASSIUM CYANOAUATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D298	C162			A433.4, C6.10, E448.1
PROCESS TANK, NO.73, GOLD PLATING, WITH A 50 AMP RECTIFIER, HEATED, POTASSIUM GOLD CYANIDE, AMMONIUM HYDROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D316	C162			A433.4, C6.1, E448.1

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 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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Process 1: FABRICATED METALS					
PROCESS TANK, NO.47, TIN/LEAD PLATING, WITH A 100 AMP RECTIFIER, UNHEATED, TIN FLUOBORATE, LEAD FLUOBORATE, BORIC ACID, FLUORBORIC ACID, PEPTON, WIDTH: 2 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D299	C162			A433.4, E448.1
PROCESS TANK, NO.48, TIN PLATING, WITH A 100 AMP RECTIFIER, UNHEATED, TIN FLUOBORATE, LEAD FLUOBORATE, BORIC ACID, FLUORBORIC ACID, PEPTON, WIDTH: 2 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D300	C162			A433.4, E448.1
PROCESS TANK, NO.59, SILVER PLATING, WITH A 150 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, KOH, WIDTH: 1 FT 9 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N:	D306	C162			A433.4, E448.1

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

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.60, SILVER STRIKE, WITH A 150 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, WIDTH: 1 FT 9 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N:	D307	C162			A433.4, E448.1
PROCESS TANK, NO.61, SILVER PLATING, WITH A 100 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D308	C162			A433.4, E448.1
PROCESS TANK, NO.62, SILVER PLATING, WITH A 100 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM ANTIMONY TRATRATE, WIDTH: 2 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N:	D309	C162			A433.4, E448.1
System 5: AIR POLLUTION CONTROL SYSTEM					

- * (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
SCRUBBER, PACKED BED, M3, WIDTH: 9 FT ; HEIGHT: 8 FT ; LENGTH: 16 FT A/N: 509884 Permit to Construct Issued: 06/08/10	C162	D277 D278 D279 D280 D281 D284 D285 D286 D287 D288 D290 D291 D292 D294 D295 D296 D297 D298 D299 D300 D302 D303 D305 D306 D307 D308 D309 D310 D311 D316 D317 D318 D319 D320 D324 D325 D329 D330		PM: (9) [RULE 404, 2-7-1986]	C8.3, C8.4, D182.2, E158.1
Process 6: COATINGS					
OVEN, ELECTRIC, SOLVENT CLEANING AND DRYING, GEORGIA OVEN CO, MODEL NO. 12STX, 20" W X 23" D X 28" H A/N: 468746 Permit to Construct Issued: 09/09/08	D274	C243		PM: (9) [RULE 404, 2-7-1986]	B59.4, B59.5, C6.4, E71.5, E80.4, E448.4, H23.1
OVEN, ELECTRIC, SOLVENT CLEANING AND DRYING, VWR INTERNATIONAL, MODEL NO. 1430S, 25" W X 25" D X 21" H, 0.8 KW A/N: 468748 Permit to Construct Issued: 09/09/08	D275	C243		PM: (9) [RULE 404, 2-7-1986]	B59.4, B59.5, C6.4, E71.5, E80.3, E448.4, H23.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, WATER-TUBE, NATURAL GAS, CLEAVER BROOKS, MODEL FLX-700-800-160HW, WITH FLUE GAS RECIRCULATION, OXYGEN CONTENT CONTROL, 8 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, CLEAVER BROOKS, MODEL PFVVG-80, WITH LOW NOX BURNER, 8 MMBTU/HR	D339		NOX: PROCESS UNIT**	CO: 100 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV (5) [RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 9 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; NOX: 9 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D28.2, D182.3, D332.1, L341.2
Process 8: INTERNAL COMBUSTION					
System 1: ICE					

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 12 CYLINDERS, DIESEL FUEL, CATERPILLAR, MODEL C32, WITH AFTERCOOLER, TURBOCHARGER, 1502 HP A/N: 474467 Permit to Construct Issued: 01/22/08	D331		NOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 4.8 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	B61.4, D12.4, E448.5, H23.6, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 6 CYLINDERS, DIESEL FUEL, JOHN DEERE, MODEL 6068HF285, WITH AFTERCOOLER, TURBOCHARGER, 237 HP A/N: 470067 Permit to Construct Issued: 08/30/07	D328			CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	B61.4, D12.4, E448.5, H23.6, K67.5
Process 10: AIR POLLUTION CONTROL DEVICES					

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 10: AIR POLLUTION CONTROL DEVICES					
System 1: FUME HOOD					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E HEPA, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 468744 Permit to Construct Issued: 09/09/08	C243	D274 D275		VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	C1.21, D12.3, H23.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (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 SYSTEMS CORPORATION

SECTION H: DEVICE ID INDEX

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: DEVICE ID INDEX

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FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: DEVICE ID INDEX

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D317	2	1	1
D318	2	1	1
D319	2	1	1
D320	2	1	1
D321	2	1	1
D322	3	1	1
D323	3	1	1
D324	3	1	1
D325	3	1	1
D326	3	1	1
D327	10	1	4
D328	17	8	1
D329	4	1	1
D330	4	1	1
D331	17	8	1
D337	15	7	1
D339	16	7	1

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

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

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

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

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

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

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

[RULE 431.2, 9-15-2000]

F14.3 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

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

DEVICE CONDITIONS

A. Emission Limits

A433.1 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended September 10, 2010, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Sodium Hydroxide	6,84,85,89	30.0
Chrome Compounds	10	2.0

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Chrome	88	5.0
Compounds		
Chrome	77	10.0
Compounds		
Diethanolamine	84	5.0
Nitric Acid	77	45.0
Nitric Acid	82	50.0
Nitric Acid	79,80	35.0
Nitric Acid	8	10.0
Hydrogen	79,80	11.0
Fluoride		
Sulfuric Acid	8	20.0
Sulfuric Acid	88	40.0
Hydrochloric	76	15.0
Acid		
Hydrogen	76	10
Fluoride		

[RULE 1401, 9-10-2010]

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

A433.2 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended September 10, 2010, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Copper	51, 52, 56, 64, 65	67.0
Compounds		
Nitric Acid	70, 71	20.0

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Lead Compounds	51, 52	3.0
Ammonia	51, 52	1.0
Sulfuric Acid	54, 64, 65, 67	20.0
Hydrochloric Acid	64, 65	15.0
Phosphoric Acid	70, 71	55.0

[RULE 1401, 9-10-2010]

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

A433.3 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended September 10, 2010, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Sodium Hydroxide	16, 27	30.0
Nickel Compounds	31, 33	46.0
Nitric Acid	12,14, 23	60.0
Hydrogen Fluoride	12	16.0
Ammonia	19, 20	1.0
Lead Compounds	19, 20	3.0
Sulfuric Acid	19, 20	20.0
Hydrochloric Acid	31	15.0

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Hydrochloric Acid	29	25.0
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[RULE 1401, 9-10-2010]

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

A433.4 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended September 10, 2010, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Sodium Hydroxide	41	30.0
Lead Compounds	47, 48	3.0
Nickel Compounds	42, 43	0.5

[RULE 1401, 9-10-2010]

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

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

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

[RULE 1401, 3-4-2005]

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D329]

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

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Sodium Hydroxide	D330	10.0
Nitric Acid	D330	50.0
Sulfuric Acid	D330	50.0

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D330]

B. Material/Fuel Type Limits

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

halogenated solvent to conduct rule 1122 solvent cleaning.

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

[Devices subject to this condition : D274, D275]

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

Methanol

Isopropanol (IPA)

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D274, D275]

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

Compound	ppm by weight
Sulfur greater than	15

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

[Devices subject to this condition : D328, D331]

C. Throughput or Operating Parameter Limits

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

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

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

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

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

The operator shall dispose of the spent carbon filters properly.

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

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

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

[Devices subject to this condition : C243]

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

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

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

[Devices subject to this condition : D316]

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

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

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

[Devices subject to this condition : D274, D275]

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

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

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

[Devices subject to this condition : D276]

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

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

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

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

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

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

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

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

[Devices subject to this condition : D323]

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

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

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

[Devices subject to this condition : D324]

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

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

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

[Devices subject to this condition : D326]

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

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

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

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

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

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

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

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

[Devices subject to this condition : D305]

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

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

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

[Devices subject to this condition : D284, D285]

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

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

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

[Devices subject to this condition : D294, D295]

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

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

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

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

[Devices subject to this condition : D292]

- C6.15 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 150 Deg F.

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

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

[Devices subject to this condition : D322]

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

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

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

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

[Devices subject to this condition : C162]

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

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

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

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

[Devices subject to this condition : C162]

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

D. Monitoring/Testing Requirements

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

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

[Devices subject to this condition : C243]

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

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

[Devices subject to this condition : D328, D331]

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

The test shall be conducted within the first 12 months after the issuance of this permit and once every 5-year period with the first 5-year period ending 03-22-2016.

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

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

[Devices subject to this condition : D337]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The test shall be conducted within the first 12 months after the issuance of this permit and once every 5-year period with the first 5-year period ending 10-15-2016.

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D339]

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

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

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

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

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

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

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

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

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

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

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

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

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

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

[Devices subject to this condition : C162]

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

FACILITY PERMIT TO OPERATE NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

The test shall be conducted to verify compliance with the NO_x and CO emission limits specified by this permit.

The test shall be conducted while the burner is firing at maximum, minimum, and average firing rates.

Written notice of the source test shall be submitted to the District (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.

A source test protocol shall be submitted to the District within 60 days after the initial start-up with the ST-1 and ST-2 completed by the testing laboratory.

Two copies of the source test reports shall be submitted to the District within 45 days after the test. The reports shall include, but may not be limited to emission 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 Fahrenheit.
- D. The oxygen content of the exhaust gas, in percent.
- E. The fuel flow rate.

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

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

Sampling facilities shall comply with the District Guidelines for Construction of Sampling and Testing Facilities, pursuant to Rule 217.

[RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D337, D339]

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

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

[Devices subject to this condition : D337, D339]

E. Equipment Operation/Construction Requirements

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

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

[Devices subject to this condition : D274, D275]

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

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

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

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

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

[Devices subject to this condition : D275]

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

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

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

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

[Devices subject to this condition : D274]

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

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

[Devices subject to this condition : C162]

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

Tanks containing chrome compounds shall not be air sparged or rectified

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

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

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

Rule 1426 recordkeeping

[**RULE 1426, 5-2-2003**]

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

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

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

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

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

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

[Devices subject to this condition : D274, D275]

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

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

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

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

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

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

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

[Devices subject to this condition : D328, D331]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

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

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

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

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

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

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

[Devices subject to this condition : D328, D331]

K. Record Keeping/Reporting

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

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

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

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

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

[Devices subject to this condition : D328, D331]

L. Expiration Date

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

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

D91

[RULE 1304(c)-Offset Exemption, 6-14-1996]

[Devices subject to this condition : D337]

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

D93

[RULE 1304(c)-Offset Exemption, 6-14-1996]

[Devices subject to this condition : D339]