

## **FACILITY PERMIT TO OPERATE**

**HONEYWELL INTERNATIONAL INC  
2525 W 190TH ST DEPT 62 T 19  
TORRANCE, CA 90504**

### **NOTICE**

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

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

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By \_\_\_\_\_  
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	09/27/2015
B	RECLAIM Annual Emission Allocation	DRAFT	09/27/2015
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	09/27/2015
E	Administrative Conditions	DRAFT	09/27/2015
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	09/27/2015
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	09/27/2015
H	Permit To Construct and Temporary Permit to Operate	DRAFT	09/27/2015
I	Compliance Plans & Schedules	DRAFT	09/27/2015
J	Air Toxics	DRAFT	09/27/2015
K	Title V Administration	DRAFT	09/27/2015
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	09/27/2015
B	Rule Emission Limits	DRAFT	09/27/2015

# FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

## SECTION A: FACILITY INFORMATION

**LEGAL OWNER &/OR OPERATOR:** HONEYWELL INTERNATIONAL INC

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 2525 W 190TH ST DEPT 62 T 19  
TORRANCE, CA 90504-6061

**MAILING ADDRESS:** 2525 W 190TH ST MAIL STOP:23-1-62  
TORRANCE, CA 90509-6099

**RESPONSIBLE OFFICIAL:** DOUG SPOON

**TITLE:** DIRECTOR - INTEGRATED SUPPLY CHAIN

**TELEPHONE NUMBER:** (310) 512-1080

**CONTACT PERSON:** VIKTOR PRISMANTAS

**TITLE:** HSE SITE LEADER

**TELEPHONE NUMBER:** (310) 512-1376

**TITLE V PERMIT ISSUED:** March 25, 2010

**TITLE V PERMIT EXPIRATION DATE:** March 24, 2015

<b>TITLE V</b>	<b>RECLAIM</b>
<b>YES</b>	<b>NOx: YES</b>
	<b>SOx: NO</b>
	<b>CYCLE: 2</b>
	<b>ZONE: COASTAL</b>

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 07/01/2015 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2012 6/2013	Coastal	7016	1009	0
7/2013 6/2014	Coastal	7016	592	0
7/2014 6/2015	Coastal	7016	5437	0
7/2015 6/2016	Coastal	7016	5437	0
7/2016 6/2017	Coastal	7016	5437	0
7/2017 6/2018	Coastal	7016	5437	0
7/2018 6/2019	Coastal	7016	5437	0
7/2019 6/2020	Coastal	7016	5437	0
7/2020 6/2021	Coastal	7016	5437	0
7/2021 6/2022	Coastal	7016	5437	0
7/2022 6/2023	Coastal	7016	5437	0
7/2023 6/2024	Coastal	7016	5437	0
7/2024 6/2025	Coastal	7016	5437	0
7/2025 6/2026	Coastal	7016	5437	0
7/2026 6/2027	Coastal	7016	5437	0
7/2027 6/2028	Coastal	7016	5437	0
7/2028 6/2029	Coastal	7016	5437	0

**Footnotes:**

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 07/01/2015 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2029 6/2030	Coastal	7016	5437	0

**Footnotes:**

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	31740	0

# **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

## **SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: DEGREASING &amp; CLEANING LINE OPERATION</b>					
<b>System 3: SALT DISSOLVING LINE - 1</b>					
PROCESS TANK, UNHEATED, NITRIC ACID A/N: 179556	D27				
PROCESS TANK, UNHEATED, PHOSPHORIC ACID A/N: 179556	D29				
PROCESS TANK, 26A, ELECTRICALLY HEATED, NITRIC ACID, WIDTH: 3 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 7 IN A/N: 486027	D214				A433.2, C6.7
<b>System 4: SALT DISSOLVING LINE - 2</b>					
PROCESS TANK, UNHEATED, 13 SQ. FEET MAXIMUM SURFACE AREA, NOT SPARGED, NITRIC ACID A/N: 498865	D215	C155			B59.5, B59.7
PROCESS TANK, UNHEATED, 13 SQ. FEET MAXIMUM SURFACE AREA, NOT SPARGED, PHOSPHORIC ACID A/N: 498865	D216				B59.6, B59.8
<b>Process 2: COATING OPERATION</b>					
<b>System 1: SPRAY COATING</b>					
SPRAY COATING OPERATION, DEVILBISS, 8 FT 4 IN W. X 10 FT D. X 7 FT 2 IN H., WATER WASH, WITH SPRAY BOOTH A/N: 501166	D31			<b>HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]</b>	A63.2, B59.9, D322.1, E145.1, H23.2, K67.3

- \* (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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: COATING OPERATION</b>					
SPRAY COATING OPERATION, TELKAMP, BENCH TYPE, MODEL NO. 2995-1, TWO 20 IN X 20 IN EXHAUST FILTERS, 6 FT 2 IN W. X 3 FT 6 IN D. X 4 FT 8 IN H., ONE 0.75 H.P. EXHAUST FAN, WITH SPRAY BOOTH A/N: 501167	D32			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.2, B59.9, C1.3, C6.4, D322.2, E175.1, H23.2, K67.4, K67.5, K67.9
SPRAY COATING OPERATION, FLOOR TYPE, 12 FT W. X 19 FT 6 IN L. X 10 FT H., ONE 15 H.P. EXHAUST FAN, 35 PRE-FILTERS, 35 BAG FILTERS, 12 HEPA FILTERS, WITH SPRAY BOOTH A/N: 501172	D33			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.3, C1.2, C6.8, C10.1, D182.1, D322.2, E71.7, E175.3, H23.2, H23.9, K67.4, K67.9
SPRAY COATING OPERATION, BINKS, FLOOR TYPE, MODEL NO. 12-7-T, 12 FT W. X 12 FT 7 IN D. X 6 FT 10 IN H., WATER WASH, ONE 5 H.P. EXHAUST FAN, ONE 5 H.P. RECIRCULATING PUMP, WITH SPRAY BOOTH A/N: 501168	D34			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.2, B59.9, C1.2, D322.1, E145.1, H23.2, K67.3, K67.9
SPRAY COATING OPERATION, BENCH TYPE, 3 FT W. X 3 FT 3 IN D. X 2 FT 1 IN H. WORKING DIMENSIONS, WITH TWO 20 IN X 20 IN EXHAUST FILTERS AND ONE 1.5 H.P. EXHAUST FAN, WITH SPRAY BOOTH A/N: 501169	D36			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.2, B59.9, C1.4, C6.4, D322.2, E175.1, H23.2, K67.4, K67.5, K67.9

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: COATING OPERATION</b>					
SPRAY COATING OPERATION, BINKS, BENCH TYPE, MODEL BF-6-7-T-B, A 0.75 H.P. EXHAUST FAN, 6 FT W. X 5 FT 2 IN D. X 7 FT 2 IN H., SIX 20 IN X 20 IN EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 501170	D38			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.2, B59.9, C1.1, C6.4, D322.2, E175.1, H23.2, K67.4, K67.5, K67.9
<b>System 3: METAL POWDER APPLICATION SYSTEM</b>					
COATER, ROLLER, UNION TOOL CORP., MODEL C, SERIES # 45, 2 FT 2 IN L. ROLLERS A/N: 515813	D219				B59.16
HOPPER, NICKEL POWDER A/N: 515813	D220			PM: (9) [RULE 405, 2-7-1986]	D323.1
APPLICATOR, NICKEL POWDER, CHRISTY MACHINE CO., COAT-O-MATIC, MODEL NO. 24-DE-S, WITH A 0.25 H.P. MOTOR A/N: 515813	D221	C222		PM: (9) [RULE 405, 2-7-1986]	B59.17, C1.41, D12.9, D323.2, E175.4, K67.10
DUST COLLECTOR, NICKEL POWDER, TORIT, MODEL NO. TD162, WITH 3 CARTRIDGE FILTERS, 8 IN DIA. X 16 IN L., 162 SQ. FT. TOTAL FILTER AREA, AND A PULSE JET CLEANER A/N: 515813	C222	D221 C232		PM: (9) [RULE 404, 2-7-1986]	C10.2, D322.4, E102.1, H23.7, K67.4
FILTER, HEPA, TORRIT, WITH ONE 24 IN X 24 IN ULTRA-LOK HEPA FILTER A/N: 515813	C232	C222		PM: (9) [RULE 404, 2-7-1986]	A63.4, C10.4, D182.2, D322.2, H23.7, K67.4
PUMP, VACUUM, NICKEL POWDER A/N: 515813	D226			PM: (9) [RULE 405, 2-7-1986]	D323.1, E133.1

- |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: COATING OPERATION</b>					
CONVEYOR A/N: 515813	D228			PM: (9) [RULE 405, 2-7-1986]	D323.1
OVEN, CASSO-SOLAR, MODEL NO. FB QUART, WITH INFRARED HEATERS, 72 KW TOTAL A/N: 515813	D229			PM: (9) [RULE 404, 2-7-1986]	D323.1
<b>Process 3: DRYING &amp; BAKING OVENS</b>					
OVEN, BAKING, 32 KW A/N: 177684	D44			PM: (9) [RULE 404, 2-7-1986]	C1.7, C6.3, D323.2
OVEN, BAKING, 70 KW A/N: 166389	D46			PM: (9) [RULE 404, 2-7-1986]	C6.3, D323.2, E71.3
OVEN, BAKING, 40 KW A/N: A45396	D48			PM: (9) [RULE 404, 2-7-1986]	D323.2
OVEN, BAKING, 105 KW A/N: 166391	D50			PM: (9) [RULE 404, 2-7-1986]	C6.1, D323.2, E71.2
<b>Process 4: TOLUENE SOLVENT RECLAIMING OPERATION</b>					
TANK, SURGE, TOLUENE A/N: 256014	D55				
TANK, HOLDING, TOLUENE A/N: 256014	D56				
<b>Process 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
<b>System 1: C145 PASSIVATION LINE</b>					
SCRUBBER, AIRCHEM SYSTEM, MODEL FH 55S, WITH 20 HP EXHAUST FAN, WIDTH: 5 FT 6 IN; HEIGHT: 6 FT 9 IN; LENGTH: 14 FT 8 IN A/N: 497493	C83	D157 D158 D159 D169		PM: (9) [RULE 404, 2-7-1986]	A63.4, C8.2, C8.10, H23.7, K67.7
<b>System 2: DIP TANKS OR PROCESS TANKS</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.)
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## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
PROCESS TANK, HEATED, TK-1 (ISOPREP), SODIUM METASILICATE, SODIUM CARBONATE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497485	D156				A433.8, A433.9, B59.26, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, UNHEATED, TK-4, SPARGED, NITRIC ACID, AMMONIUM BIFLUORIDE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497485	D157	C83			A433.8, A433.9, B59.7, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, UNHEATED, TK-5, SPARGED, NITRIC ACID, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497485	D158	C83			A433.8, A433.9, B59.7, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-38, SPARGED, OXALIC ACID, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497491	D159	C83			A433.12, A433.13, B59.26, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-41, ALUMINUM, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497491	D160				A433.12, A433.13, B59.24, E193.3, K67.12, K67.13, K67.14

- |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
PROCESS TANK, HEATED, TK-9 (ISOPREP), SODIUM METASILICATE, SODIUM CARBONATE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D161				A433.10, A433.11, B59.26, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, UNHEATED, TK-12, SPARGED, NITRIC ACID, SULFURIC ACID, FERRIC SULFATE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D162	C155			A433.10, A433.11, B59.27, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-13, SPARGED, NITRIC ACID, SULFURIC ACID, FERRIC SULFATE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D163	C155			A433.10, A433.11, B59.27, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-16, SPARGED, ALODINE 1200, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D164	C155			A433.10, A433.11, B59.28, E193.3, H23.11, K67.12, K67.13, K67.14

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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  
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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
PROCESS TANK, UNHEATED, TK-20 (ISOPREP), SODIUM METASILICATE, SODIUM CARBONATE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497484	D165				A433.6, A433.7, B59.26, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, UNHEATED, TK-23, SPARGED, NITRIC ACID, AMMONIUM BIFLUORIDE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497484	D166	C155			A433.6, A433.7, B59.7, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-24, SPARGED, NITRIC ACID, AMMONIUM BIFLUORIDE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497484	D167	C155			A433.6, A433.7, B59.7, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, UNHEATED, TK-27, SPARGED, NITRIC ACID, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497484	D168	C155			A433.6, A433.7, B59.7, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-28, SPARGED, NITRIC ACID, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497484	D169	C83			A433.6, A433.7, B59.7, E193.3, K67.12, K67.13, K67.14

\* (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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
PROCESS TANK, HEATED, TK-33, POTASSIUM PERMANGANATE, POTASSIUM HYDROXIDE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497484	D170				A433.6, A433.7, B59.26, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, STRIPPING, TK-44, SPARGED, (OAKITE STRIPPER), SODIUM HYDROXY ETHYLENE DIAMENE TRIACETATE, SODIUM HYDROXIDE, SODIUM CARBONATE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497480	D171				A433.4, A433.5, B59.24, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-47, MINERAL OIL, ETHANOL AMINE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N: 497480	D172				A433.4, A433.5, B59.26, E193.3, K67.12, K67.13, K67.14
<b>System 3: WATER SPRAY CHAMBER</b>					
SCRUBBER, SPRAY CHAMBER, VENTING RULE 219 EXEMPT SALT BRAZING TANK, WIDTH: 5 FT 6 IN; HEIGHT: 6 FT 9 IN; LENGTH: 14 FT A/N: 140378	C78			<b>PM: (9) [RULE 404, 2-7-1986]</b>	A63.4, C8.2, C8.10, H23.7, K67.7

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
SCRUBBER, PACKED BED, AIRCHEM INC., MODEL NO. FH-66, 325 GALLON RECIRCULATION TANK, 40 H.P. EXHAUST BLOWER AND 7.5 H.P. RECIRCULATION PUMP, WIDTH: 6 FT ; HEIGHT: 6 FT ; LENGTH: 10 FT A/N:	C155	D162 D163 D164 D166 D167 D168 D215		PM: (9) [RULE 404, 2-7-1986]	A63.4, C8.3, C8.4, C8.5, H23.7, K67.7
<b>Process 8: MASS FLOW AIR HEATERS</b>					
HEATER, NO. 1, MASS FLOW, NATURAL GAS, T- THERMAL, MODEL NO.HDF 650-4613, WITH STEAM INJECTION SYSTEM AND CATALYTIC CONVERTER, 12 MMBTU/HR A/N: 299402	D104		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1, E113.2
HEATER, NO. 2, MASS FLOW, NATURAL GAS, T- THERMAL, MODEL NO. 905-5711, WITH STEAM INJECTION SYSTEM AND CATALYTIC CONVERTER, 14 MMBTU/HR A/N: 299403	D105		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1, E113.2

- |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>* (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</p> | <p>(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</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 8: MASS FLOW AIR HEATERS</b>					
HEATER, NO. 5, MASS FLOW AIR, NATURAL GAS, THERMAL RESEARCH AND ENGINE CO., MODEL NO. CDF-1080, WITH STEAM OR WATER INJECTION, 12.7 MMBTU/HR A/N: 299404	D85		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, D328.1, E113.1
HEATER, NO.6, MASS FLOW AIR, NATURAL GAS, THERMAL RESEARCH AND ENGINE CO., MODEL NO. CDF 1050, WITH STEAM OR WATER INJECTION, 13 MMBTU/HR A/N: 299405	D86		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, D328.1, E113.1
HEATER, NO. 7, NATURAL GAS, T-THERMAL, MODEL HDF980-6313, WITH FLUE GAS RECIRCULATION, STEAM OR WATER INJECTION, 15.75 MMBTU/HR A/N: 281676	D152		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.6, D328.1, E113.1
<b>Process 14: EXTERNAL COMBUSTION EQUIPMENT</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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: EXTERNAL COMBUSTION EQUIPMENT</b>					
BOILER, NO. 1, FUEL OIL NO. 2, NATURAL GAS, CLEAVER BROOKS, MODEL NO. 760-150, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 6.3 MMBTU/HR WITH A/N: 247230  BURNER, FUEL OIL NO. 2, NATURAL GAS, INDUSTRIAL COMBUSTION, MODEL NO.LND-845, WITH LOW NOX BURNER, 6.3 MMBTU/HR	D97		NOX: PROCESS UNIT**	<b>CO: 400 PPMV (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 6.23 LBS/1000 GAL FUEL OIL 2 (1) [RULE 2012, 5-6-2005]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV FUEL OIL (5) [RULE 407, 4-2-1982]</b>	B75.1, D332.1, E113.1
BOILER, NO. 2, NATURAL GAS, CLEAVER BROOKS, MODEL NO. 760-150, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 6.3 MMBTU/HR WITH A/N: 247231  BURNER, NATURAL GAS, INDUSTRIAL COMBUSTION, MODEL NO.LND-845, WITH LOW NOX BURNER, 6.3 MMBTU/HR	D98		NOX: PROCESS UNIT**	<b>CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-1-2013]; 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 (5) [RULE 409, 8-7-1981]</b>	D332.1, E113.1

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: EXTERNAL COMBUSTION EQUIPMENT</b>					
BOILER, NO. 3, FUEL OIL NO. 2, NATURAL GAS, CLEAVER-BROOKS, MODEL NO. CB 700-300, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 10.5 MMBTU/HR WITH A/N: 228963  BURNER, FUEL OIL NO. 2, NATURAL GAS, INDUSTRIAL COMBUSTION, MODEL NO. LND-145, WITH LOW NOX BURNER, 10.5 MMBTU/HR	D99		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 36 PPMV FUEL OIL 2 (3) [RULE 2012, 5-6-2005]; NOX: 37 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV FUEL OIL (5) [RULE 407, 4-2-1982]	B75.1, D328.1, E113.1
<b>Process 15: INTERNAL COMBUSTION EQUIPMENT</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3208T (150 KW), WITH TURBOCHARGER, 240 BHP A/N: 501171	D201		NOX: PROCESS UNIT**	HAP: (10) [40CFR 63SubpartZZZZ, 3-9-2011]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	B61.1, B61.2, D12.4, E448.1, H23.6, K67.11
<b>Process 16: TEST CELL</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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 16: TEST CELL</b>					
TEST CELL, TURBINE, NO. 3 A/N: 476237	D124	C132	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 67.8 LBS/1000 GAL FUEL OIL (1) [RULE 2012, 5-6-2005]; NOX: 413 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.30, C1.33
TEST CELL, TURBINE, NO. 4 A/N: 475882	D125	C133	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 67.8 LBS/1000 GAL FUEL OIL (1) [RULE 2012, 5-6-2005]; NOX: 413 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.30, C1.33
TEST CELL, TURBINE, NO. 5 A/N: 475895	D126	C134	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 67.8 LBS/1000 GAL FUEL OIL (1) [RULE 2012, 5-6-2005]; NOX: 413 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.19, C1.20, C1.30, C1.33

\* (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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 16: TEST CELL</b>					
TEST CELL, TURBINE, NO. 6 A/N: 475896	D127	C135	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 67.8 LBS/1000 GAL FUEL OIL (1) [RULE 2012, 5-6-2005]; NOX: 413 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.30, C1.33
TEST CELL, TURBINE, NO. 7 A/N: 475898	D128	C136	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 67.8 LBS/1000 GAL FUEL OIL (1) [RULE 2012, 5-6-2005]; NOX: 413 LBS/MMSCF NATURAL GAS (1A) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.22, C1.23, C1.30, C1.33
AFTERBURNER, NATURAL GAS, 1 MMBTU/HR A/N: 476237	C132	D124	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.6, D323.1
AFTERBURNER, NATURAL GAS, 1 MMBTU/HR A/N: 475882	C133	D125	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.6, D323.1

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 16: TEST CELL</b>					
AFTERBURNER, NATURAL GAS, 1 MMBTU/HR A/N: 475895	C134	D126	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.6, D323.1
AFTERBURNER, NATURAL GAS, 1 MMBTU/HR A/N: 475896	C135	D127	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.6, D323.1
AFTERBURNER, NATURAL GAS, 1 MMBTU/HR A/N: 475898	C136	D128	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.6, D323.1
TEST CELL, FUEL PROCESSOR, JET FUEL (JP4), WITH TURBINE A/N: 376901	D204	C206	NOX: PROCESS UNIT**	CO: 2000 PPMV JP4 (5) [RULE 407, 4-2-1982]; NOX: 20 LBS/1000 GAL JP4 (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.4, C1.27

- \* (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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 16: TEST CELL</b>					
TEST CELL, FUEL PROCESSOR, JET FUEL (JP4), WITH TURBINE A/N: 376904	D205	C206	NOX: PROCESS UNIT**	CO: 2000 PPMV JP4 (5) [RULE 407, 4-2-1982]; NOX: 20 LBS/1000 GAL JP4 (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.4, C1.27
FLARE, WITH A PILOT BURNER, NATURAL GAS A/N: 376902	C206	D204 D205	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 (5) [RULE 409, 8-7-1981]	C1.26, C8.11
TEST CELL, FUEL PROCESSOR, WITH EIGHT ELECTRICAL HEATERS, 192 KW EACH, FOR TESTING TURBOMACHINE CONSISTING OF A TURBINE AND A COMBUSTOR BURNING JP FUEL A/N: 409280	D207		NOX: PROCESS UNIT**	CO: 2000 PPMV JP4 (5) [RULE 407, 4-2-1982]; NOX: 12 LBS/1000 GAL JP4 (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV JP4 (5) [RULE 407, 4-2-1982]	C1.29, D323.3, E71.5, K67.8
<b>Process 19: MISCELLANEOUS EQUIPMENT</b>					
PLASMA ARC CUTTER, ARC CUTTING TORCH, 1.25 HP A/N: 330084	D195			PM: (9) [RULE 405, 2-7-1986]	B59.2, C1.21, D323.3
PLASMA ARC CUTTER, HYPER THERM, MODEL NO. MAX 200, SERIAL NO. 200-197, WITH DOWNDRAFT TORCH CUTTING TABLE AND EXHAUST, 30 KWH A/N: 475881	D199	C200		PM: (9) [RULE 405, 2-7-1986]	A433.1, C1.32, D323.2, E71.6

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 19: MISCELLANEOUS EQUIPMENT</b>					
BAGHOUSE, CARTRIDGE FILTER, DUST HOG, MODEL SBD 12-3-H55, 3720 SQ.FT.; 12 CARTRIDGE A/N: 351836	C200	D199		PM: (9) [RULE 404, 2-7-1986]	A63.4, D322.4, D381.1, E102.1, H23.7, K67.4
PLASMA ARC CUTTER, 10.4 KVA, MODEL NO. POWERMAX 800, ARC CUTTING TORCH, PORTABLE A/N: 475879	D213			PM: (9) [RULE 405, 2-7-1986]	A433.3, C1.31, C1.34, C1.35, D323.3, E71.6
CUTTER, LASER, ROFIN-SINAR, MODEL NO. RS-1200 SM, 1200W, WITH A TORCH CUTTING TABLE, IN A PERMENANT TOTAL ENCLOSURE, 26 FT 9 IN L. X 15 FT 3 IN W. X 12 FT H. A/N: 497492	D230	C231		PM: (9) [RULE 405, 2-7-1986]	B59.15, D323.3
DUST COLLECTOR, TORIT, MODEL NO. DFO 4-48, WITH 48 CARTRIDGE FILTERS, 14 IN DIA. X 26 IN L., 9120 SQ. FT. TOTAL FILTER AREA, 40 H.P. EXHAUST FAN, AND A PULSE JET CLEANER A/N: 512708	C231	D230		PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5) [RULE 1155, 5-2-2014]	A63.4, C10.3, D322.4, D381.1, E102.1, H23.7, K67.4
<b>Process 20: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULE</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E192			VOC: (9) [RULE 1113, 6-3-2011; RULE 1113, 9-6-2013; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	K67.2
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E193			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	H23.1

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 20: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULE</b>					
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E194			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	H23.3
RULE 219 EXEMPT EQUIPMENT, SMALL BOILERS, WATER HEATERS AND PROCESS HEATERS, SCAQMD RULE 1146.2 TYPE 2	E209			CO: 400 PPMV NATURAL GAS (5) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (5A) [RULE 1146.2, 5-5-2006]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E210				H23.4
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E211				H23.5
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E212			PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D322.4, D381.2, E102.1, K67.4
RULE 219 EXEMPT EQUIPMENT, STATIONARY REFRIGERATION SYSTEM	E243				H23.10
<b>Process 21: EPOXY COATING PROCESS</b>					
SPRAY COATING OPERATION, BINKS, BENCH TYPE, MODEL BF-6-7-T-B, 6 FT W. X 5 FT 2 IN D. X 7 FT 2 IN H., SIX 20 X 20 EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 475874	D39	C79		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.5, B59.9, C6.4, D322.2, E175.1, H23.2, K67.4, K67.5

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 21: EPOXY COATING PROCESS</b>					
SPRAY COATING OPERATION, BINKS, BENCH TYPE, MODEL BF-6-7-T-B, 6 FT W. X 5 FT 2 IN D. X 7 FT 2 IN H., SIX 20 X 20 EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 475874	D40	C79		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.5, B59.9, C6.4, D322.2, E175.1, H23.2, K67.4, K67.5
CARBON ADSORBER, VIC, MODEL 996-12.5AS, SINGLE BED, REGENERATIVE TYPE, WITH A 100 HP EXHAUST FAN, LENGTH: 13 FT ; DIAMETER: 9 FT A/N: 475874	C79	D39 D40 D75 D76 D233 D234 D237		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]	A63.5, A72.1, D29.2, E193.1
PROCESS TANK, EPOXY DIP COATING, IN SILVER EPOXY ROOM, 1100 GALS A/N: 549189	D75	C79		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.5, E166.1, H23.3
PROCESS TANK, EPOXY DIP COATING, IN CLEAR EPOXY ROOM, 800 GALS A/N: 549192	D76	C79		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.5, E166.1, H23.3
PROCESS TANK, EPOXY DIP COATING, IN SILVER EPOXY ROOM, 120 GALS A/N: 475872	D233	C79		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.5, B59.19, E166.1, H23.3
MIXER, POT, WASHCOAT, 10 GALLON POT WITH 3 GAL JAR MILL A/N: 475873	D234	C79		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.5, B59.19, H23.3, 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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 21: EPOXY COATING PROCESS</b>					
COATER, WITH 2 VACUUM COATING CHAMBERS IN HOOD #1, COATING REMOVAL IN HOOD #2, AND DRY OFF IN HOOD #3, IN SILVER EPOXY ROOM, WITH 1/3 HP EXHAUST FAN A/N: 475873	D237	C79		HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.5, B59.19, H23.3, H23.8
<b>Process 22: BRAZING</b>					
FURNACE, NO. 1, ABAR ASPEN, MODEL HR-50X48, 225 KW, ELECTRICALLY HEATED, WITH ONE 50 HP BLOWER A/N: 475875	D235			PM: (9) [RULE 404, 2-7-1986]	B59.20, E193.2, H23.8
FURNACE, NO. 2, VACUUM BRAZING, G M INDUSTRIAL FURNACES AND SYSTEM, MODEL HVF 701-XB,, 450 KW, ELECTRICALLY HEATED WITH ONE 50 HP BLOWER A/N: 476239	D236			PM: (9) [RULE 404, 2-7-1986]	B59.20, E193.2, H23.8
<b>Process 23: CATALYST COATING LINE</b>					
<b>System 1: LINE A</b>					
PROCESS TANK, UNHEATED, TANK NO. 61, LINE A, CATALYST COATING, COBALT ACETATE, WITH 1/3 HP RECIRCULATION PUMP, SECONDARY VACUUM CHAMBER, WIDTH: 1 FT 6 IN; HEIGHT: 2 FT ; LENGTH: 1 FT 6 IN A/N: 498351	D239				C1.42

\* (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 HONEYWELL INTERNATIONAL INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 23: CATALYST COATING LINE</b>					
PROCESS TANK, UNHEATED, TANK NO. 62, LINE A, CATALYST COATING, PLATINUM DIAMINE DINITRITE,-AMMONIUM HYDROXIDE, WITH 1/3 HP RECIRCULATION PUMP,SECONDARY VACUUM CHAMBER, WIDTH: 1 FT 6 IN; HEIGHT: 2 FT ; LENGTH: 1 FT 6 IN A/N: 498351	D240				C1.42
<b>System 2: LINE B</b>					
PROCESS TANK, UNHEATED, TANK, NO. 60, LINE B, CATALYST COATING, PALLADIUM NITRATE, CITRIC ACID,, NICKEL NITRATE, WITH 1/3 HP RECIRCULATION PUMP, SECONDARY VACUUM CHAMBER, WIDTH: 1 FT 6 IN; HEIGHT: 2 FT ; LENGTH: 1 FT 6 IN A/N: 498352	D241				C1.43

\* (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 HONEYWELL INTERNATIONAL INC**

## **SECTION D: DEVICE ID INDEX**

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

**FACILITY PERMIT TO OPERATE  
 HONEYWELL INTERNATIONAL INC  
 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>
D27	1	1	3
D29	1	1	3
D31	1	2	1
D32	2	2	1
D33	2	2	1
D34	2	2	1
D36	2	2	1
D38	3	2	1
D39	18	21	0
D40	19	21	0
D44	4	3	0
D46	4	3	0
D48	4	3	0
D50	4	3	0
D55	4	4	0
D56	4	4	0
D75	19	21	0
D76	19	21	0
C78	8	7	3
C79	19	21	0
C83	4	7	1
D85	10	8	0
D86	10	8	0
D97	11	14	0
D98	11	14	0
D99	12	14	0
D104	9	8	0
D105	9	8	0
D124	13	16	0
D125	13	16	0
D126	13	16	0
D127	14	16	0
D128	14	16	0
C132	14	16	0
C133	14	16	0

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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>
C134	15	16	0
C135	15	16	0
C136	15	16	0
D152	10	8	0
C155	9	7	3
D156	5	7	2
D157	5	7	2
D158	5	7	2
D159	5	7	2
D160	5	7	2
D161	6	7	2
D162	6	7	2
D163	6	7	2
D164	6	7	2
D165	7	7	2
D166	7	7	2
D167	7	7	2
D168	7	7	2
D169	7	7	2
D170	8	7	2
D171	8	7	2
D172	8	7	2
E192	17	20	0
E193	17	20	0
E194	18	20	0
D195	16	19	0
D199	16	19	0
C200	17	19	0
D201	12	15	0
D204	15	16	0
D205	16	16	0
C206	16	16	0
D207	16	16	0
E209	18	20	0
E210	18	20	0

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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>
E211	18	20	0
E212	18	20	0
D213	17	19	0
D214	1	1	3
D215	1	1	4
D216	1	1	4
D219	3	2	3
D220	3	2	3
D221	3	2	3
C222	3	2	3
D226	3	2	3
D228	4	2	3
D229	4	2	3
D230	17	19	0
C231	17	19	0
C232	3	2	3
D233	19	21	0
D234	19	21	0
D235	20	22	0
D236	20	22	0
D237	20	21	0
D239	20	23	1
D240	21	23	1
D241	21	23	2
E243	18	20	0

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

#### **FACILITY CONDITIONS**

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 833 LBS IN ANY ONE MONTH

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

- (1) The operator shall comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (2) Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from all equipment and operations covered by the monthly emission limit(s). The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (3) The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for five years.

For the purpose of this condition, the VOC emission limit shall be the total VOC emissions from all equipment and operations at this facility subject to Rule 442.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **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]**

- F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
  - (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

- F14.1 The operator shall not use liquid fuel containing sulfur compounds in excess of 500 ppm by weight.

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

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

**[RULE 431.2, 9-15-2000]**

### **DEVICE CONDITIONS**

#### **A. Emission Limits**

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 purpose of this condition and for exemption under Rule 1132(h)(2), the VOC emissions from this equipment shall be defined as a monthly average for each calendar month, calculated by dividing the total emissions from this equipment for the calendar month by the number of calendar days in that month.

If the records generated after the end of any calendar month show that the VOC emissions from this equipment for the calendar month exceed the emission cap of this condition, the operator shall submit the appropriate applications and achieve compliance pursuant to the requirements specified in Rule 1132.

Exceedance of the VOC emission limit of this condition shall not subject this equipment to New Source Review requirements if the operator complies with all other permit conditions that are applicable to such equipment.

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

[Devices subject to this condition : D31, D32, D34, D36, D38]

A63.3 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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 and for exemption under Rule 1132(h)(2), the VOC emissions from this equipment shall be defined as a monthly average for each calendar month, calculated by dividing the total emissions from this equipment for the calendar month by the number of calendar days in that month.

If the records generated after the end of any calendar month show that the VOC emissions from this equipment for the calendar month exceed the emission cap of this condition, the operator shall submit the appropriate applications and achieve compliance pursuant to the requirements specified in Rule 1132.

Exceedance of the VOC emission limit of this condition shall not subject this equipment to New Source Review requirements if the operator complies with all other permit conditions that are applicable to such equipment.

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

[Devices subject to this condition : D33]

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

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

[RULE 1155, 5-2-2014]

[Devices subject to this condition : C78, C83, C155, C200, C231, C232]

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

CONTAMINANT	EMISSIONS LIMIT

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

VOC | Less than or equal to 840 LBS IN ANY ONE MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment D39, D40, D75, D76, C79, D233, D234 and D237.

To calculate the emissions, the operator shall use the minimum control efficiency specified in the permit condition for the carbon adsorber.

The operator shall maintain records to demonstrate compliance with this condition

The operator shall keep a copy of the most recent source test on file and shall make available to the District upon request

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

[Devices subject to this condition : D39, D40, D75, D76, C79, D233, D234, D237]

A72.1 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 90 percent for ROG during the normal operation of the equipment it vents.

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

[Devices subject to this condition : C79]

A433.1 The operator shall not cut with this equipment any metal containing any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table I, with an effective date of March 4, 2005 except as identified below:

Pollutant	CAS No.	Maximum Wt%
Chromium	18540-29-9	30
Copper	7440-50-8	4

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Lead	7439-92-1	0.35
Manganese	7439-96-5	2.5
Nickel	7440-02-0	79.5

Material Safety Data Sheets (MSDS) shall be used to comply with this condition

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D199]

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

Pollutant	Tank No.	Maximum Content Vol%
Nitric Acid	26A	6

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D214]

A433.3 The operator shall not cut with this equipment any metal containing any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table I, with an effective date of March 4, 2005 except as identified below:

Pollutant	CAS No.	Maximum Wt%
Chromium	18540-29-9	23
Copper	7440-50-8	4
Lead	7439-92-1	0.35
Manganese	7439-96-5	2

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Nickel	7440-02-0	13.5
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Material Safety Data Sheets (MSDS) shall be used to comply with this condition

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D213]

A433.4 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Chemicals	Maximum Concentration (wt%)
TK-44	Oakite Stripper	2.25
TK-47	Mineral Oil + Ethanol Amine	100

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D171, D172]

A433.5 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Maximum Operating Temperature (Deg. F)	Maximum Surface Area (Sq. Ft.)
TK-44	160	17.3
TK-47	185	17.3

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

**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; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D171, D172]

A433.6 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Chemicals	Maximum Concentration (wt%)
TK-20	Isoprep-44	6
TK-23	Nitric Acid	48.6
TK-23	Ammonium Bifluoride	5
TK-24	Nitric Acid	29.1
TK-24	Ammonium Bifluoride	10
TK-27	Nitric Acid	47
TK-28	Nitric Acid	53.5
TK-33	Potassium Hydroxide	20.23
TK-33	Potassium Permanganate	6

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D165, D166, D167, D168, D169, D170]

A433.7 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Maximum Operating Temperature (Deg. F)	Maximum Surface Area (Sq. Ft.)
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## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

TK-20	Ambient	17.3
TK-23	Ambient	17.3
TK-24	140	17.3
TK-27	Ambient	17.3
TK-28	130	17.3
TK-170	210	17.3

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D165, D166, D167, D168, D169, D170]

A433.8 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Chemicals	Maximum Concentration (wt%)
TK-4	Nitric Acid	35.8
TK-4	Ammonium Bifluoride	2.5
TK-5	Nitric Acid	48.6
TK-1	Isoprep 44	9.4

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D156, D157, D158]

A433.9 The operator shall operate the process tanks at or below the limits specified below:

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Tank No.	Maximum Operating Temperature (Deg. F)	Maximum Surface Area (Sq. Ft.)
TK-1	170	17.3
TK-4	Ambient	17.3
TK-5	Ambient	17.3

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D156, D157, D158]

A433.10 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Chemicals	Maximum Concentration (Weight Percent)
TK-9	Isoprep	9.4
TK-12	Nitric Acid	1
TK-12	Sulfuric Acid	2
TK-12	Solids	4.5
TK-13	Nitric Acid	2
TK-13	Sulfuric Acid	4
TK-13	Solids	9
TK-16	Alodine 1200	2.5

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : D161, D162, D163, D164]

A433.11 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Maximum Operating Temperature (Deg. F)	Maximum Surface Area (Sq. Ft.)
TK-9	180	17.3
TK-12	Ambient	17.3
TK-13	120	17.3
TK-16	85	17.3

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D161, D162, D163, D164]

A433.12 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Chemicals	Maximum Concentration (wt%)
TK-38	Oxalic Acid	17.6
TK-41	Aluminux	6

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D159, D160]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

A433.13 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Maximum Operating Temperature (Deg. F)	Maximum Surface Area (Sq. Ft.)
TK-38	125	17.3
TK-41	190	17.3

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D159, D160]

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

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

Materials containing any compounds identified as carcinogenic air contaminants in Rule 1401 as amended 12-07-90 except the following: Chromium, max. 25 percent by weight in the alloy. Also, thickness of materials being cut shall not exceed 1/4 inch.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D195]

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Materials containing any toxic air contaminants identified in Rule 1401, table I with an effective date of August 18, 2000 or earlier, with the exception of benzene, formaldehyde and PAH

[RULE 1401, 8-18-2000]

[Devices subject to this condition : D204, D205]

B59.5 The operator shall only use the following material(s) in this device :

Nitric acid , 45.6 percent maximum by weight in water

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

[Devices subject to this condition : D215]

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

phosphoric acid, 56 percent maximum by weight in water

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

[Devices subject to this condition : D216]

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

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier, except nitric acid.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D157, D158, D166, D167, D168, D169, D215]

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

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier, except phosphoric acid.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D216]

B59.9 The operator shall not use the following material(s) in this device :

Materials containing chromium and chromium compounds.

[RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D31, D32, D34, D36, D38, D39, D40]

B59.15 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table 1, with an effective date of March 7, 2008 or earlier with the exception of the following: Metal with maximum chromium and chromium compounds content of 30 percent by weight; nickel and nickel compounds with 79.5 percent by weight; copper and copper compounds with 4 percent by weight; manganese and manganese compounds with 3 percent by weight; and lead and lead compounds with 0.35 percent by weight.

The thickness of the materials being cut shall not exceed 0.25 inch.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D230]

B59.16 The operator shall not use the following material(s) in this device :

Materials containing Volatile Organic Compounds (VOC).

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with an effective date of September 10, 2010 or earlier.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D219]

B59.17 The operator shall not use the following material(s) in this device :

Materials containing more than 93 percent nickel and nickel compounds by weight.

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of September 10, 2010 or earlier, except nickel and nickel compounds.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D221]

B59.19 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 4, 2005 or earlier, except toluene, xylene and ethyl benzene.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D233, D234, D237]

B59.20 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 4, 2005 or earlier, except nickel and nickel compounds.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D235, D236]

B59.24 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier, except Sodium Hydroxide.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D160, D171]

B59.26 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier.

[RULE 1401, 3-7-2008]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

[Devices subject to this condition : D156, D159, D161, D165, D170, D172]

B59.27 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier, except Nitric Acid and Sulfuric Acid

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D162, D163]

B59.28 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier with the exception of chromic acid (hexavalent chromium).

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D164]

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

Compound	weight percent
Sulfur greater than or equal to	0.05

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : D201]

B61.2 The operator shall not use fuel oil 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 431.2, 9-15-2000]

[Devices subject to this condition : D201]

B75.1 The operator shall not use fuel oil in this equipment except under the following circumstance(s):

Natural gas curtailment

Maintenance testing

Compliance testing

Emergency

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

[Devices subject to this condition : D97, D99]

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

C1.1 The operator shall limit the material processed to no more than 1 gallon(s) per day.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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 solvent usage.

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

[Devices subject to this condition : D38]

C1.2 The operator shall limit the material processed to no more than 27 gallon(s) per day.

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

This limit shall be based on the total combined limit for equipment D33 and D34.

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

[Devices subject to this condition : D33, D34]

C1.3 The operator shall limit the material processed to no more than 3 gallon(s) per day.

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

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

[Devices subject to this condition : D32]

C1.4 The operator shall limit the material processed to no more than 2 gallon(s) per day.

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

[Devices subject to this condition : D36]

C1.7 The operator shall limit the material processed to no more than 4 gallon(s) per day.

For the purpose of this condition, material processed shall be defined as coating and solvent used in the coating of articles processed in this equipment.

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

[Devices subject to this condition : D44]

C1.8 The operator shall limit the operating time to no more than 4 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as the combined firing time for ammonium nitrate & ammonium perchlorate.

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

[Devices subject to this condition : D124, D125, D126, D127, D128]

C1.9 The operator shall limit the material processed to no more than 1600 pounds in any one calendar year.

For the purpose of this condition, material processed shall be defined as ammonium nitrate.

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : D124, D125, D126, D127, D128]

- C1.10 The operator shall limit the material processed to no more than 1600 pounds in any one calendar year.

For the purpose of this condition, material processed shall be defined as ammonium perchlorate.

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

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.11 The operator shall limit the operating time to no more than 20 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as maximum operating time of this test cell on hydrazine fuel.

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

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.13 The operator shall limit the fuel usage to no more than 84 gallon(s) per day.

For the purpose of this condition, fuel usage shall be defined as the maximum quantity of hydrazine fuel used in this test cell.

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

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.15 The operator shall limit the fuel usage to no more than 21 gallon(s) per day.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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, fuel usage shall be defined as JP-4, JP-5 AND JP-8 combined.

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

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.19 The operator shall limit the material processed to no more than 300 gallons in any one calendar year.

For the purpose of this condition, material processed shall be defined as hydrogen peroxide.

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

[Devices subject to this condition : D126]

- C1.20 The operator shall limit the operating time to no more than 4 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as firing time with hydrogen peroxide.

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

[Devices subject to this condition : D126]

- C1.21 The operator shall limit the operating time to no more than 300 hour(s) in any one month.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 12-7-1990]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : D195]

- C1.22 The operator shall limit the material processed to no more than 5 gallons in any one calendar year.

For the purpose of this condition, material processed shall be defined as dimethyl-2-azidoethylamine.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 8-13-1999]

[Devices subject to this condition : D128]

- C1.23 The operator shall limit the operating time to no more than 10 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as total testing time with dimethyl-2-azidoethylamine.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 8-13-1999]

[Devices subject to this condition : D128]

- C1.26 The operator shall limit the natural gas fuel usage to no more than 9900 cubic feet per day.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage in the process unit. Record shall be kept of daily fuel usage in cubic feet per day.

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

[Devices subject to this condition : C206]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

C1.27 The operator shall limit the material processed to no more than 375 gallon(s) per month.

To comply with this condition, the operator shall only use JP-4 fuel in this equipment.

For the purpose of this condition, material processed shall be defined as JP-4 fuel.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 8-18-2000]**

[Devices subject to this condition : D204, D205]

C1.29 The operator shall limit the material processed to no more than 1200 gallon(s) per month.

For the purpose of this condition, material processed shall be defined as jet fuel used in the combustor of the turbomachine.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the combustor in the turbomachine.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 8-13-1999]**

[Devices subject to this condition : D207]

C1.30 The operator shall limit the fuel usage to no more than 2000 cubic feet in any one day.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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 fuel usage shall be defined as the burning of natural gas, methane, or ethane in this equipment.

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

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

The operator shall not burn natural gas/methane/ethane on the same day as any of JP4, JP5, and JP8.

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

[Devices subject to this condition : D124, D125, D126, D127, D128]

C1.31 The operator shall limit the operating time to no more than 4 hour(s) in any one day.

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 plasma arc cutter.

The operator shall maintain daily records of total hours of operation for this equipment.

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

[Devices subject to this condition : D213]

C1.32 The operator shall limit the operating time to no more than 2366 hours in any one calendar year.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

The operator shall maintain calendar monthly records of total hours of operation for this equipment.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D199]

- C1.33 The operator shall limit the fuel usage to no more than 3360 gallons in any one calendar year.

For the purpose of this condition, fuel usage shall be defined as the maximum quantity of hydrazine fuel used in this test cell.

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

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.34 The operator shall limit the operating time to no more than 63 hours in any one calendar month.

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 plasma arc cutter.

The operator shall maintain calendar monthly records of total hours of operation for this equipment.

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : D213]

- C1.35 The operator shall limit the operating time to no more than 134 hours in any one calendar 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 plasma arc cutter.

The operator shall maintain records of total hours of operation for this equipment per calendar year.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D213]

- C1.41 The operator shall limit the operating time to no more than 2400 hour(s) in any one year.

For the purpose of this condition, the operating time is the time during which the powder is released from the hopper.

The powder released rate should not exceed 0.38 kg/min.

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

[Devices subject to this condition : D221]

- C1.42 The operator shall limit the throughput to no more than 8 in any one day.

For the purpose of this condition, throughput shall be defined as total number of parts processed in Line A (Tanks 61 and 62).

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

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

[Devices subject to this condition : D239, D240]

C1.43 The operator shall limit the throughput to no more than 8 in any one day.

For the purpose of this condition, throughput shall be defined as total number of parts processed in Line B (Tank 60).

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

[Devices subject to this condition : D241]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 800 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; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D50]

C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

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

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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 : D44, D46]

- C6.4 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

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

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

[Devices subject to this condition : D32, D36, D38, D39, D40]

- C6.7 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 liquid in the tank.

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

[Devices subject to this condition : D214]

- C6.8 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 pre-filters and bag-filters.

The operator shall determine and record the parameter being monitored once every 7 days.

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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 : D33]

- C8.1 The operator shall use this equipment in such a manner that the steam-to-fuel ratio being monitored, as indicated below, is not less than 1 to 1 ratio.

To comply with this condition, the operator shall install and maintain a(n) gauge to accurately indicate the flow rate at the fuel line and the steam line.

**[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 : D85, D86]

- 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 50 gpm.

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

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

[Devices subject to this condition : C78, C83]

- C8.3 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 150 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 maintain this flow rate when the equipment (tanks) vented to this scrubber are not covered and/or in operation.

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : C155]

- 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 0.5 gpm.

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

The operator shall maintain this flow rate when the equipment (tanks) vented to this scrubber are not covered and/or in operation.

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

[Devices subject to this condition : C155]

- C8.5 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7.5 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 maintain this pH value, when the equipment (tanks) vented to this scrubber are not covered and/or are in operation.

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

[Devices subject to this condition : C155]

- C8.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

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

The operator shall monitor and record the parameter being monitored once every day. The monitoring of the temperature shall be conducted when the basic equipment vented to this device is in operation.

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

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

[Devices subject to this condition : C132, C133, C134, C135, C136]

- C8.10 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.

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

[Devices subject to this condition : C78, C83]

- C8.11 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1450 Deg F.

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

The operator shall also install and maintain a device to continuously record the parameter being measured.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

[Devices subject to this condition : C206]

C10.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 0.75 and 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 the HEPA filters.

The operator shall determine and record the parameter being monitored once every 7 days.

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

[Devices subject to this condition : D33]

C10.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 0.2 and 2.5 inches water column.

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

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

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

[Devices subject to this condition : C222]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

C10.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 0.5 and 5 inches water column.

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

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

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

[Devices subject to this condition : C231]

C10.4 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 0.5 and 3.0 inches water column.

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

The operator shall determine and record the parameter being monitored once every 7 days.

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

[Devices subject to this condition : C232]

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

**[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1303(a)(1)-BACT, 5-10-1996;  
 RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1304(c)-Offset Exemption, 6-14-1996;  
 RULE 2005, 6-3-2011; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D201]

D12.6 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the flow rate of the fuel.

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

[Devices subject to this condition : D152]

D12.9 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the powder release from the applicator.

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

[Devices subject to this condition : D221]

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

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
VOC	Approved District method	1 hour	Simultaneous inlet and outlet

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

The test(s) shall be conducted at least once every five years.

The test shall be conducted no later than March 25, 2019 unless otherwise approved in writing by the District.

The test shall be conducted to determine the VOC emissions using an approved District method to demonstrate compliance with all applicable permit condition(s), rules and regulations.

The operator shall comply with administrative conditions NOs. 9, 10, and 11 of section E of this facility permit

The operator shall submit two complete copies of the source test report specified in condition No.10 of section E of this facility permit to the District Engineering and Compliance Division. The Engineering copy of the report shall be sent to: SCAQMD, Coating, Printing and Aerospace Operations, Attn: AQACS, 21865 Copley Drive, Diamond Bar, CA 91765. The compliance copy of the report shall be sent to: SCAQMD, P.O.Box 4941, Diamond Bar, CA 91765

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

[Devices subject to this condition : C79]

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

The HEPA filters used in this equipment shall be individually tested and certified by the manufacturer to have a minimum efficiency of 99.997 percent for 0.3 micron particles, based on DOP testing or other District approved test method.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1469.1, 3-4-2005]**

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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 : D33]

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

The HEPA filter used in this equipment shall be individually tested and certified by the manufacturer to have minimum efficiency of 99.97 percent for 0.3 micron particles, based on DOP testing or any other District approved method.

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

[Devices subject to this condition : C232]

D322.1 The operator shall perform a weekly inspection of the equipment and the integrity of the water curtain.

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

[Devices subject to this condition : D31, D34]

D322.2 The operator shall perform a weekly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

[Devices subject to this condition : D32, D33, D36, D38, D39, D40, C232]

D322.4 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]**

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **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 : C200, E212, C222, C231]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

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

### **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 : C132, C133, C134, C135, C136, D220, D226,  
D228, D229]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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 HONEYWELL INTERNATIONAL INC**

### **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 : D44, D46, D48, D50, D199, D221]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

D323.3 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 monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly 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 HONEYWELL INTERNATIONAL INC**

### 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 : D195, D207, D213, D230]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D85, D86, D99, D104, D105, D152]

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 : D97, D98]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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 a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

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

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

[Devices subject to this condition : C200, C231]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on 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 : E212]

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

E71.2 The operator shall only process articles in this equipment using articles that are pre-dried in a drying chamber for two hours which is vented to the carbon adsorber.

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

[Devices subject to this condition : D50]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 process articles in this equipment using articles that are pre-dried in a area for two hours which is vented to the carbon adsorber.

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

[Devices subject to this condition : D46]

E71.5 The operator shall only use this equipment to test the turbomachine fired on jet fuel.

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

[Devices subject to this condition : D207]

E71.6 The operator shall not cut any metal in this equipment unless it is 1 inch thick or less.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D199, D213]

E71.7 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 pursuant to an appropriate AQMD-approved test method to determine the exhaust flow rate within 90 days of such repair, modification or replacement.

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

[Devices subject to this condition : D33]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

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

[Devices subject to this condition : C200, E212, C222, C231]

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

**[RULE 1146, 11-1-2013; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D85, D86, D97, D98, D99, D152]

E113.2 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least once a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

**[RULE 1146, 11-1-2013; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D104, D105]

E133.1 The operator shall maintain an interlock so that the vacuum pump operates prior to powder release from the applicator and the vacuum pump stays on after the powder releasing stops from the applicator.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

**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 : D226]

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 : D31, D34]

E166.1 The operator shall keep all openings from this equipment closed when in use except during inspection, cleaning and charging.

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

[Devices subject to this condition : D75, D76, D233]

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

filter media at least 2 inches thick

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

[Devices subject to this condition : D32, D36, D38, D39, D40]

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

A 3-stage filter system consisting of 1" thick pre-filters, 15" deep bag-filters, and HEPA filters.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

**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 : D33]

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

Cartridge filter and HEPA filter.

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

[Devices subject to this condition : D221]

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

This equipment shall be regenerated once per day for a period not less than 6 hours.

The operator shall operate and maintain a monitoring system consisting of a flame ionization detector and a data acquisition system to continuously measure and record the hourly rolling average concentration of VOC in ppmv as methane at the carbon bed outlet pursuant to all applicable requirements specified in Section 63.751 of 40 CFR 63 Subpart GG.

The required monitoring system shall be inspected, maintained, and calibrated for drift using two calibration gases at zero and approximately 90 ppmv as methane on a weekly basis in accordance with the manufacturer's specifications using an SCAQMD approved protocol. The monitoring system shall be adjusted if the calibration drift is 2 ppmv or greater.

This operator shall operate and maintain an interlock system to automatically shut down this equipment when the hourly rolling average concentration of VOC at the carbon bed outlet exceeds 75 ppmv as methane.

For the purpose of this condition, a deviation shall be defined as when the hourly rolling average concentration of VOC at the carbon bed outlet exceeds 75 ppmv as methane during the normal operation of the equipment it serves. The operator shall operate and maintain an audio alarm to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective actions, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the SCAQMD pursuant to the requirements specified in Section 63.753 of 40 CFR 63 Subpart GG and Condition Nos. 22 and 23 in Section K of this permit.

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

The operator shall keep adequate records in a format that is acceptable to the SCAQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR 63 Subpart GG for a minimum of five years.

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

[Devices subject to this condition : C79]

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

This equipment shall only be used to process parts that are coated in spray booth D31, roller coater D219, or applicator D221.

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

[Devices subject to this condition : D235, D236]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

a. All tanks shall be clearly identified and labeled with appropriate tank numbers as designated in the equipment description. The identification and/or labeling of each tank shall be directly affixed to each tank and shall be clearly visible and legible.

b. Tanks in this line shall only contain the chemicals and compounds specifically identified in the equipment description of the permit.

c. Air sparging, rectification, and/or heating shall not be conducted except where these operations are specifically identified in the equipment description. Removal of such operations shall not constitute a modification for permitting purposes.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

**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; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D156, D157, D158, D159, D160, D161, D162, D163, D164, D165, D166, D167, D168, D169, D170, D171, D172]

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

The engine shall not be operated more than 200 hours in any one year, which includes 20 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 up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage

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

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 1110.2, 9-7-2012; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 5-4-2012; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D201]

### **H. Applicable Rules**

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122
VOC	District Rule	109

**[RULE 109, 5-2-2003; RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]**

[Devices subject to this condition : E193]

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

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

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

[Devices subject to this condition : D31, D32, D33, D34, D36, D38, D39, D40]

H23.3 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]**

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : D75, D76, E194, D233, D234, D237]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E210]

H23.5 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, 12-3-2010; **40CFR 82 Subpart F, 6-25-2013**]

[Devices subject to this condition : E211]

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

[RULE 1470, 5-4-2012; **RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D201]

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 5-2-2014]

[Devices subject to this condition : C78, C83, C155, C200, C222, C231, C232]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	442

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

[Devices subject to this condition : D234, D235, D236, D237]

H23.9 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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

Chromium, Hexavalent	District Rule	1469.1
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[**RULE 109, 5-2-2003**; RULE 1469.1, 3-4-2005; **RULE 481, 1-11-2002**]

[Devices subject to this condition : D33]

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

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415.1

[RULE 1415.1, 12-3-2010]

[Devices subject to this condition : E243]

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

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	WWWWWW

[**40CFR 63SubpartWWWWWW, 9-19-2011**]

[Devices subject to this condition : D164]

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

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

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 : E192]

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

the name of the person performing the inspection and/or maintenance of the water curtain

the date, time, and results of the inspection

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

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

[Devices subject to this condition : D31, D34]

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

the date, time, and results of the inspection

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

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

[Devices subject to this condition : D32, D33, D36, D38, D39, D40, C200, E212, C222, C231, C232]

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

weekly record of pressure drop across the filter media

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

[Devices subject to this condition : D32, D36, D38, D39, D40]

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

Recirculating liquid flow rate on a daily basis

pH of the scrubbing solution on a daily basis

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

[Devices subject to this condition : C78, C83, C155]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### 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):

Monthly total jet fuel usage in gallons

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

[Devices subject to this condition : D207]

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

In addition to recordkeeping requirements of Rule 109, the operator shall keep adequate records for to verify daily quantity of coatings and solvents usage and the VOC content of each material as applied (including water and exempt compounds).

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

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

[Devices subject to this condition : D32, D33, D34, D36, D38]

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

A daily operating log for the powder released time in hours shall be maintained. At the end of each month the operator shall total the hours for the month for the powder release time and record it.

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

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D221]

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A log of engine operations documenting the total time the engine is operated each month and the specific reason for operation as: (a) emergency use, (b) maintenance and testing, and (c) other. In addition, for each time the engine is manually started, the log shall include the date of engine operation, the specific reason for operation, and the totalizing hour meter reading (in hours and tenths of hours) at the beginning and the end of the operation

By January 15th of each year, the operator shall add the total hours of engine operation for the previous calendar year, and the total hours of engine operation for maintenance and testing for the previous calendar year

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

**[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 5-4-2012; RULE 2012, 5-6-2005]**

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 : D201]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The log concerning the operation of this equipment shall be kept for a minimum of five years. The past two years records shall be kept on site and shall be made available upon request of District personnel. The log shall contain the following information:

- a. The records required by the conditions in this permit
- b. The concentration, in percent, by weight of each chemical in each tank, as determined each month from the estimated operating losses and replenishment during process operation. The concentration of each chemical in each tank shall be recorded in this log each time the solution is replaced.

Material Safety Data Sheets for all materials used in this equipment and at the facility and subject to District Rules shall be kept current and made available to District personnel upon request.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D156, D157, D158, D159, D160, D161, D162, D163, D164, D165, D166, D167, D168, D169, D170, D171, D172]

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The log concerning the operation of this equipment shall be kept and maintained on file for a minimum of five years and shall be made available to District personnel upon request.

The occurrence, duration, causes (if known), and action taken on each breakdown

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

[RULE 430, 7-12-1996]

[Devices subject to this condition : D156, D157, D158, D159, D160, D161, D162, D163, D164, D165, D166, D167, D168, D169, D170, D171, D172]

K67.14 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Maintain inspection and maintenance records for the temperature gauge and monitoring equipment, to document compliance with this permit. The records shall identify the following

- a. The tank and device inspected,
- b. The date and time of inspection,
- c. The working condition of the device and tank during the inspection,
- d. Any maintenance activities performed, and
- e. Any actions taken during to correct deficiencies found during the inspection.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D156, D157, D158, D159, D160, D161, D162, D163, D164, D165, D166, D167, D168, D169, D170, D171, D172]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

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

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the SCAQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation.[204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to SCAQMD personnel upon request and be maintained for at least: [204]
  - a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by SCAQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes. [409]
  - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all SCAQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed SCAQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO<sub>x</sub> or SO<sub>x</sub> source, respectively. [2001]
9. The operator shall, when a source test is required by SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. The test protocol shall contain the following information: [204, 304]
- a. Brief description of the equipment tested.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by SCAQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of SCAQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, SCAQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765-4178. [204]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

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

#### **I. NO<sub>x</sub> Monitoring Conditions**

A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NO<sub>x</sub> concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall, as applicable:

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

#### II. NO<sub>x</sub> Source Testing and Tune-up conditions

1. The operator shall conduct all required NO<sub>x</sub> source testing in compliance with an SCAQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO<sub>x</sub> large sources and NO<sub>x</sub> process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

#### **I. Recordkeeping Requirements for all RECLAIM Sources**

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

#### **II. Reporting Requirements for all RECLAIM Sources**

1. The operator shall submit a quarterly certification of emissions including the facility's total NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

#### **NO<sub>x</sub> Reporting Requirements**

A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall:

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the SCAQMD, the total monthly NO<sub>x</sub> mass emissions from each large NO<sub>x</sub> source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NO<sub>x</sub> emissions for each NO<sub>x</sub> process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
<b>System 2: DIP TANKS OR PROCESS TANKS</b>					
PROCESS TANK, HEATED, TK-9, SODIUM METASILICATE, ISOPREP OR TURCO 6849, SODIUM CARBONATE, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D161				A433.11, A433.14, C1.44, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, UNHEATED, TK-12, SPARGED, TURCO 16 REPL/6 MAKE UP, NITRIC ACID, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D162	C155			A63.6, A63.7, A433.11, A433.14, A433.15, B59.29, D29.3, D29.4, E193.3, K67.12, K67.13, K67.14
PROCESS TANK, HEATED, TK-13, SPARGED, TURCO 16 REPL/6 MAKE UP, NITRIC ACID, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D163	C155			A63.6, A63.7, A433.11, A433.14, A433.15, B59.29, D29.3, D29.4, E193.3, H23.11, K67.12, K67.13, K67.14

\* (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 HONEYWELL INTERNATIONAL INC

### 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 7: PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
PROCESS TANK, HEATED, TK-16, SPARGED, ALODINE 1200, WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 4 FT 4 IN A/N:	D164	C155			A433.11, A433.14, A433.15, E193.3, K67.12, K67.13, K67.14
<b>System 3: WATER SPRAY CHAMBER</b>					
SCRUBBER, PACKED BED, AIRCHEM INC., MODEL NO. FH-66, 325 GALLON RECIRCULATION TANK, 40 H.P. EXHAUST BLOWER AND 7.5 H.P. RECIRCULATION PUMP, WIDTH: 6 FT ; HEIGHT: 6 FT ; LENGTH: 10 FT A/N:	C155	D162 D163 D164		<b>PM: (9) [RULE 404, 2-7-1986]</b>	A63.2, C8.3, C8.4, C8.5, D29.3, D29.4, K67.7

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

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

# **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

## **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 HONEYWELL INTERNATIONAL INC

## 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>
C155	2	7	3
D161	1	7	2
D162	1	7	2
D163	1	7	2
D164	2	7	2

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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
VOC	Less than or equal to 833 LBS IN ANY ONE MONTH

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

- (1) The operator shall comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (2) Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from all equipment and operations covered by the monthly emission limit(s). The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (3) The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for five years.

For the purpose of this condition, the VOC emission limit shall be the total VOC emissions from all equipment and operations at this facility subject to Rule 442.

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 use liquid fuel containing sulfur compounds in excess of 500 ppm by weight.

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

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

[RULE 431.2, 9-15-2000]

### DEVICE CONDITIONS

#### A. Emission Limits

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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 and for exemption under Rule 1132(h)(2), the VOC emissions from this equipment shall be defined as a monthly average for each calendar month, calculated by dividing the total emissions from this equipment for the calendar month by the number of calendar days in that month.

If the records generated after the end of any calendar month show that the VOC emissions from this equipment for the calendar month exceed the emission cap of this condition, the operator shall submit the appropriate applications and achieve compliance pursuant to the requirements specified in Rule 1132.

Exceedance of the VOC emission limit of this condition shall not subject this equipment to New Source Review requirements if the operator complies with all other permit conditions that are applicable to such equipment.

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

[Devices subject to this condition : C155]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than 1 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment Tanks TK-12 and TK-13.

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : D162, D163]

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

CONTAMINANT	EMISSIONS LIMIT
Chromium, Hexavalent	Less than 0.073 LBS IN ANY ONE YEAR

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment Tanks TK-12 and TK-13.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D162, D163]

A433.11 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Maximum Operating Temperature (Deg. F)	Maximum Surface Area (Sq. Ft.)
TK-9	180	17.3
TK-12	Ambient	17.3
TK-13	120	17.3
TK-16	85	17.3

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**]

[Devices subject to this condition : D161, D162, D163, D164]

A433.14 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Chemicals	Maximum Concentration (Weight Percent)
TK-9	Turco 6849	20.9
TK-12	Turco 16/6	7.59
TK-13	Turco 16/6	10.68

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D161, D162, D163, D164]

A433.15 The operator shall operate the process tanks at or below the limits specified below:

Tank No.	Chemicals	Maximum Concentration (Weight Percent)
TK-12	Nitric Acid	14.23
TK-13	Nitric Acid	16.83
TK-16	Alodine 1200	2.5

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D162, D163, D164]

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

B59.29 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of September 10, 2010 or earlier, except Nitric Acid, Hexavalent Chromium, and Hydrogen Fluoride

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D162, D163]

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

C1.44 The operator shall limit the solvent usage to no more than 1.76 gallons in any one day.

For the purpose of this condition, solvent usage shall be defined as gallons of Turco 6849 added to Tank D161 in any one day.

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

[Devices subject to this condition : D161]

C8.3 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 150 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 maintain this flow rate when the equipment (tanks) vented to this scrubber are not covered and/or in operation.

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

[Devices subject to this condition : C155]

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 0.5 gpm.

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

The operator shall maintain this flow rate when the equipment (tanks) vented to this scrubber are not covered and/or in operation.

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

[Devices subject to this condition : C155]

C8.5 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7.5 of the pH scale.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

The operator shall maintain this pH value, when the equipment (tanks) vented to this scrubber are not covered and/or are in operation.

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

[Devices subject to this condition : C155]

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

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	District-approved averaging time	Inlet and outlet of APC equipment serving this equipment

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

The test shall be conducted no later than 180 days after initial startup unless otherwise approved in writing by the District.

The test shall be conducted while only Tanks D162 and D163 are operated and at maximum load

The test shall be conducted while tanks D162, D163, D166-D168, and D215 are operated at maximum load.

A source test protocol shall be submitted to the District no later than 45 days before the proposed test date and shall be approved by the District prior to the source test. The source test protocol shall include the completed District forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, and a description of the sampling and analytical procedures to be used.

Written notice of the source tests shall be submitted to the District at least 14 days prior to testing so that an observer can be present.

The source test shall be conducted by a testing laboratory certified by the California Air Resources Board or approved by the District under the Laboratory Approval Program (LAP) in the required test methods for each criteria pollutant to be measured, and a statement from the testing laboratory certifying it meets the criteria in District Rule 304(K),

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

During the test, the type, size, and quantity of the parts being processed, the weight concentrations of the material in the solution of the tanks, sparging rate in cfm, operating temperature of the tanks, and operating parameters of the scrubber shall be monitored and included in the source test report.

Two complete copies of the source test reports shall be submitted to the District within 45 days after the test. The report shall include, but may not be limited to NO, NO<sub>2</sub>, and total NO<sub>x</sub> emission in pounds per hour and ppm:.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

- A. The exhaust flow rates, in actual cubic feet per minute (ACFM).
- B. The exhaust temperature, in degrees F.
- C. Oxygen concentration in percent

**[RULE 2005, 6-3-2011]**

[Devices subject to this condition : C155, D162, D163]

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
Hexavalent chromium	CARB Method 425	District-approved averaging time	Simultaneous inlet and outlet
Total Chromium	District Method 205.1	District-approved averaging time	Simultaneous inlet and outlet

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

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

The test shall be conducted no later than 180 days after initial startup unless otherwise approved in writing by the District.

A source test protocol shall be submitted to the District no later than 45 days before the proposed test date and shall be approved by the District prior to the source test. The source test protocol shall include the completed District forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, and a description of the sampling and analytical procedures to be used.

Written notice of the source tests shall be submitted to the District at least 14 days prior to testing so that an observer can be present.

The source test shall be conducted by a testing laboratory certified by the California Air Resources Board or approved by the District under the Laboratory Approval Program (LAP) in the required test methods for each criteria pollutant to be measured, and a statement from the testing laboratory certifying it meets the criteria in District Rule 304(K),

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

The test shall be conducted while only Tanks TK-12, TK-13, and TK-16 venting to the scrubber are operating and at maximum production rate.

During the test, the type, size, and quantity of the parts being processed, the weight concentrations of the material in the solution of the tanks, sparging rate in cfm, operating temperature of the tanks, and operating parameters of the scrubber shall be monitored and included in the source test report.

Two complete copies of the source test reports shall be submitted to the District within 45 days after the test. The report shall include, but may not be limited to emission rates in pounds per hour, and milligrams per dry standard cubic feet:

A. The exhaust flow rates, in actual cubic feet per minute (ACFM).

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

B. The exhaust temperature, in degrees F.

C. Oxygen content in percent

[RULE 1401, 9-10-2010]

[Devices subject to this condition : C155, D162, D163]

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

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

a. All tanks shall be clearly identified and labeled with appropriate tank numbers as designated in the equipment description. The identification and/or labeling of each tank shall be directly affixed to each tank and shall be clearly visible and legible.

b. Tanks in this line shall only contain the chemicals and compounds specifically identified in the equipment description of the permit.

c. Air sparging, rectification, and/or heating shall not be conducted except where these operations are specifically identified in the equipment description. Removal of such operations shall not constitute a modification for permitting purposes.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D161, D162, D163, D164]

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

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

Contaminant	Rule	Rule/Subpart

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

HAPs | 40CFR63, SUBPART | WWWWWW  
[40CFR 63SubpartWWWWW, 9-19-2011]

[Devices subject to this condition : D163]

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

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

Recirculating liquid flow rate on a daily basis

pH of the scrubbing solution on a daily basis

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

[Devices subject to this condition : C155]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The log concerning the operation of this equipment shall be kept for a minimum of five years. The past two years records shall be kept on site and shall be made available upon request of District personnel. The log shall contain the following information:

a. The records required by the conditions in this permit

b. The concentration, in percent, by weight of each chemical in each tank, as determined each month from the estimated operating losses and replenishment during process operation. The concentration of each chemical in each tank shall be recorded in this log each time the solution is replaced.

Material Safety Data Sheets for all materials used in this equipment and at the facility and subject to District Rules shall be kept current and made available to District personnel upon request.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### 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; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D161, D162, D163, D164]

- K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The log concerning the operation of this equipment shall be kept and maintained on file for a minimum of five years and shall be made available to District personnel upon request.

The occurrence, duration, causes (if known), and action taken on each breakdown  
[RULE 430, 7-12-1996]

[Devices subject to this condition : D161, D162, D163, D164]

- K67.14 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Maintain inspection and maintenance records for the temperature gauge and monitoring equipment, to document compliance with this permit. The records shall identify the following

- a. The tank and device inspected,
- b. The date and time of inspection,
- c. The working condition of the device and tank during the inspection,
- d. Any maintenance activities performed, and
- e. Any actions taken during to correct deficiencies found during the inspection.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **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; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]**

[Devices subject to this condition : D161, D162, D163, D164]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION I: PLANS AND SCHEDULES**

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

NONE

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

1. The operator shall comply with all applicable requirements of 40 CFR 63, Subpart GG and of 40 CFR 63, Subpart A - General Provisions by the compliance date(s) specified in these subparts.
2. The operator shall conduct all cleaning operations pursuant to all applicable requirements specified in Section 63.744.
3. The operator shall comply with all applicable requirements of Sections 63.745 and 63.747 for all primer, topcoat, and chemical milling maskant application operations. Primers, topcoats, and chemical milling maskants that are applied to aerospace parts without being vented to a control system shall comply with the following limits.

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

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

4. The operator shall comply with all applicable requirements of Section 63.746 for all depainting operations.
5. The operator shall conduct the handling and transfer of the waste to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills pursuant to Section 63.748.
6. The operator shall comply with all applicable requirements of this subpart by the compliance dates specified in Section 63.749.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

7. The operator of a facility using any HAP-containing chemicals or control equipment venting such chemicals, that are required by this subpart to conduct chemical analyses and/or performance testing, shall submit a protocol to the AQMD for approval of no less than 60 days prior to testing. The tests shall be conducted in accordance with the test methods and procedures specified in Section 63.750.
8. The operator shall comply with all applicable monitoring requirements specified in Section 63.751.
9. The operator shall keep all records pursuant to Section 63.752 of this subpart and Subpart A to demonstrate compliance with all applicable requirements. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.
10. The operator shall submit all reports, notifications, plans, submittals and other communications required by Section 63.753 of this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).
11. Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.

# FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

## SECTION J: AIR TOXICS [40CFR 63SubpartZZZZ 03-09-2011]

### NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES

The owner/operator of existing emergency stationary Reciprocating Internal Combustion Engines (RICE) located at an area source of hazardous air pollutant (HAP) emissions shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ including but not limited to the following:

1. The owner/operator shall comply with the applicable requirements as specified in 63.6603 including but not limited to the following:

#### **Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions**

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

For each . . .	You must meet the following requirement, except during periods of startup . . .	During periods of startup you must . . .
4. Emergency stationary CI RICE and black start stationary CI RICE. <sup>2</sup>	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; <sup>1</sup>	
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
5. Emergency stationary SI RICE; black start stationary SI RICE. <sup>2</sup>	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; <sup>1</sup> b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	

<sup>1</sup>Sources have the option to utilize an oil analysis program as described in §63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.

<sup>2</sup>If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law

# FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

## SECTION J: AIR TOXICS [40CFR 63SubpartZZZZ 03-09-2011]

has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

2. The owner/operator shall comply with the applicable general requirements as specified in 63.6605.
3. The owner/operator shall comply with the applicable monitoring, installation, collection, operation, and maintenance requirements specified in 63.6625.
4. The owner/operator shall demonstrate continuous compliance with the applicable emission limitations and operating limitations specified in 63.6640 including but not limited to the following:
  - (a) You must demonstrate continuous compliance with each emission limitation and operating limitation according to methods specified in Table 6 to this subpart.

**Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices**

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each . . .	Complying with the requirement to . . .	You must demonstrate continuous compliance by . . .
existing emergency and black start stationary RICE located at an area source of HAP	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

(c) you must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) of this section. Any operation other than emergency operation, maintenance and

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION J: AIR TOXICS [40CFR 63SubpartZZZZ 03-09-2011]

testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph (iii), as long as the power provided by the financial arrangement is limited to emergency power.

5. The owner/operator shall comply with the applicable record keeping requirements specified in 63.6655 and 63.6660.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration

#### **GENERAL PROVISIONS**

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

#### **Permit Renewal and Expiration**

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### **Duty to Provide Information**

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

#### **Payment of Fees**

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION K: TITLE V Administration**

#### **Reopening for Cause**

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
  - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
  - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

#### **COMPLIANCE PROVISIONS**

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
  
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
  
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
  
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
  
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
  
15. Nothing in this permit or in any permit shield can alter or affect:
  - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
  
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

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

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS**

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

### **REPORTING PROVISIONS**

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION K: TITLE V Administration**

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:  
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

### **PERIODIC MONITORING**

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration

#### *FACILITY RULES*

*This facility is subject to the following rules and regulations*

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

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 109	5-2-2003	Federally enforceable
RULE 1110.2	2-1-2008	Federally enforceable
RULE 1110.2	9-7-2012	Non federally enforceable
RULE 1113	6-3-2011	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1124	9-21-2001	Federally enforceable
RULE 1132(h)(2) - Exemptions	3-5-2004	Federally enforceable
RULE 1132(h)(2) - Exemptions	5-7-2004	Non federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1146	11-1-2013	Federally enforceable
RULE 1146.2	5-5-2006	Federally enforceable
RULE 1155	5-2-2014	Non federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1303(b)(1)-Modeling	12-6-2002	Non federally enforceable
RULE 1303(b)(1)-Modeling	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1304(c)-Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	3-4-2005	Non federally enforceable
RULE 1401	3-7-2008	Non federally enforceable
RULE 1401	8-13-1999	Non federally enforceable
RULE 1401	8-18-2000	Non federally enforceable
RULE 1401	9-10-2010	Non federally enforceable
RULE 1415	12-3-2010	Non federally enforceable
RULE 1415.1	12-3-2010	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1469.1	3-4-2005	Non federally enforceable
RULE 1470	5-4-2012	Non federally enforceable
RULE 2005	6-3-2011	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	5-3-2013	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3002	11-5-2010	Non federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-1-2015	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 442	12-15-2000	Federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 63 Subpart GG	12-8-2000	Federally enforceable
40CFR 63SubpartWWWWW	9-19-2011	Federally enforceable
40CFR 63SubpartZZZZ	3-9-2011	Federally enforceable
40CFR 82 Subpart F	6-25-2013	Federally enforceable

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

1. BOILERS, NATURAL GAS
2. COMBUSTORS, NATURAL GAS
3. HOT AIR HEATER, NATURAL GAS
4. MICROTURBINES, NATURAL GAS

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
  - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
  - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

#### TABLE OF STANDARDS 1 VOC LIMITS

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

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges <sup>3</sup>		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	
Decorative Coatings		350			100
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers	340	100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters	200	100			
Reactive Penetrating Sealers		350			
Recycled Coatings		250			
Roof Coatings	250	50			
Roof Coatings, Aluminum		100			

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

Roof Primers, Bituminous	350	350		
Rust Preventative Coatings	400	100		
Stone Consolidant		450		
Sacrificial Anti-Graffiti Coatings		100		50
Shellac				
Clear		730		
Pigmented		550		
Specialty Primers	350	100		
Stains		100		

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Stains, Interior	250	250			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers	250	100			
Waterproofing Concrete/Masonry Sealers	400	100			
Wood Preservatives		350			

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

#### TABLE OF STANDARDS 1 (cont.) VOC LIMITS

##### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

#### TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

##### Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT	Limit <sup>4</sup>
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, market, manufacture, blend, repack, apply, store at a worksite, or solid the application of any architectural coating within in the District:
  - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
  - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

#### TABLE OF STANDARDS 1 VOC LIMITS

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

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges <sup>3</sup>		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	100
Decorative Coatings		350			
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial/Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers		100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters		100			
Reactive Penetrating Sealers		350			

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

Recycled Coatings		250			
Roof Coatings		50			
Roof Coatings, Aluminum		100			
Roof Primers, Bituminous		350			
Rust Preventative Coatings	400	100			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Pigmented		550			
Specialty Primers		100			
Stains	350	100			
Stains, Interior	250	250			
Stone Consolidant		450			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers		100			
Waterproofing Concrete/Masonry Sealers		100			
Wood Preservatives		350			

- 1 The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
- 2 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
- 3 Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

#### TABLE OF STANDARDS 1 (cont.) VOC LIMITS

##### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

#### TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

##### Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT ADDED TO	Limit <sup>4</sup>
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

Except as otherwise provided in Rule 1124

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

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

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(1) Solvent Requirements

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

(1) Solvent Requirements

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

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

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

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

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter” Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter” Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

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

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

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

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0