



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

June 3, 2010

William Litten
ESH Supervisor
ITT Industries (Facility ID # 22364)
666 East Dyer Road
Santa Ana, CA 92705

Reference: DRAFT PERMIT FOR TITLE V RENEWAL APPLICATION

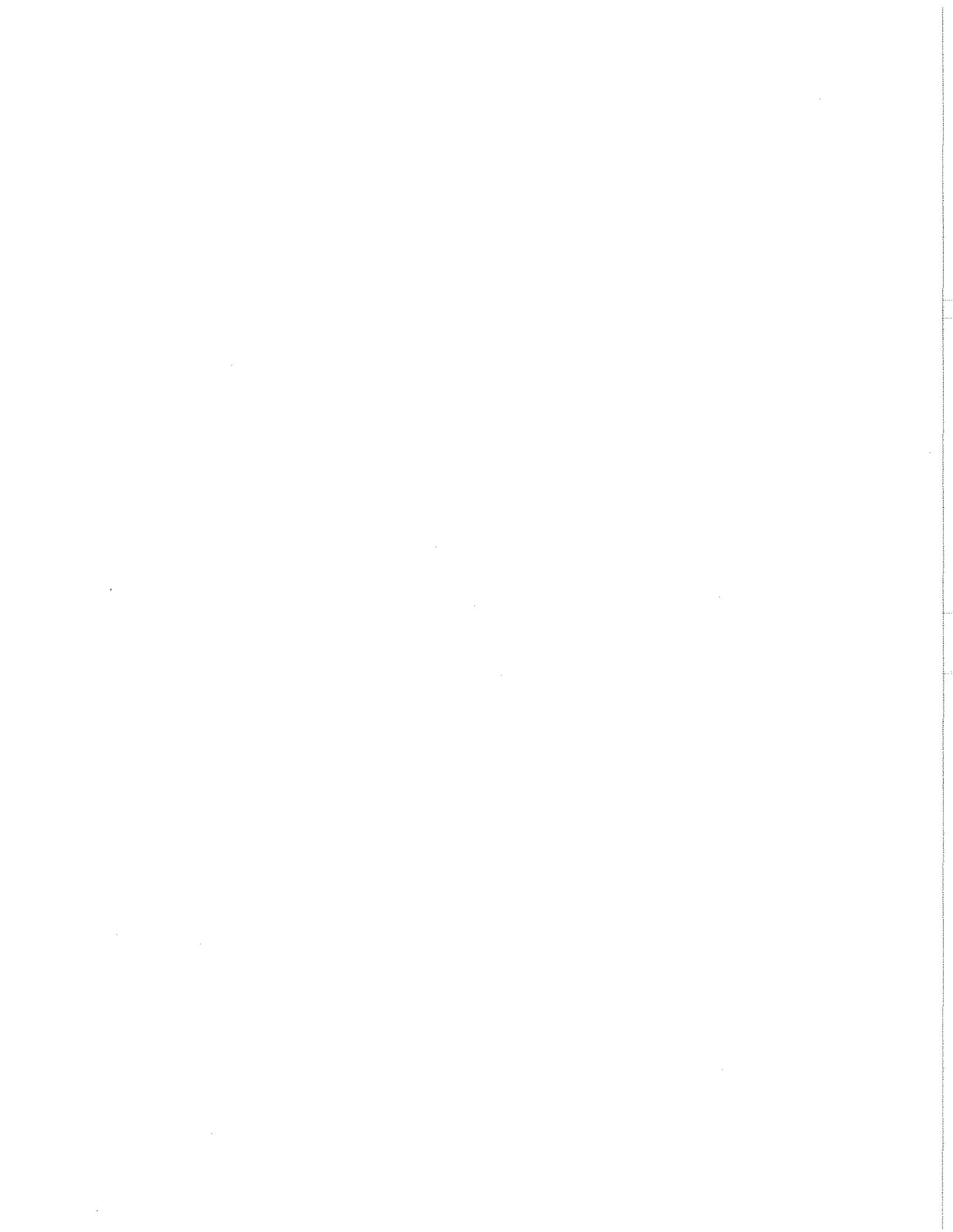
Dear Mr. Litten:

The South Coast Air Quality Management District (AQMD) has completed the preliminary work on your Application No. 473361 for the renewal of your Title V permit for your facility located at 666 East Dyer Road, Santa Ana, CA 92705. Enclosed for your review is a copy of the statement of basis, permit summary, and draft permit for your facility under the Title V permit renewal application (Application No. 473361). This draft permit has incorporated the updates of all facility information that are provided in your Title V permit renewal application and all rules and regulations that are currently applicable to your facility. We are planning to release the proposed Title V permit for concurrent United States Environmental Protection Agency (USEPA) and public review in July 2010. Please take this opportunity to review these updates and submit your comments by **June 25, 2010** in order to be considered for incorporation into the proposed permit.

The AQMD has also reviewed the Compliance Status Report Form 500-C1 that you prepared for the permit renewal application package. Enclosed you will find a copy of this report if the information that you originally sent was incomplete or the requirements that were checked do not apply to your facility. If this is the case, please note our corrections to the report. We are also enclosing a new Form 500-C1 (Rev. 01/06), updated to current regulatory requirements, and a new Form 500-A2 that you must fill out and resubmit. Please incorporate any corrections into the new form. Since the new form has changed, please review it carefully to ensure that your submittal is complete and accurate.

When your review is complete, please prepare the following and return to us:

Comments on the statement of basis, permit summary, and draft permit
Compliance Status Report, Form 500-C1
Application Certification, Form 500-A2
Non-Compliant Operations Report and Compliance Plan, Form 500-C2 (if applicable)



Please return the above documents by June 25, 2010 to:

South Coast Air Quality Management District
Coating, Printing, Aerospace & Metal Finishing Operations Team
21865 Copley Drive
Diamond Bar, CA 91765-4178
Attention: Hamed Mandilawi

If you have any questions regarding your Title V permit renewal, please contact Hamed Mandilawi at (909) 396-3275.

Sincerely,

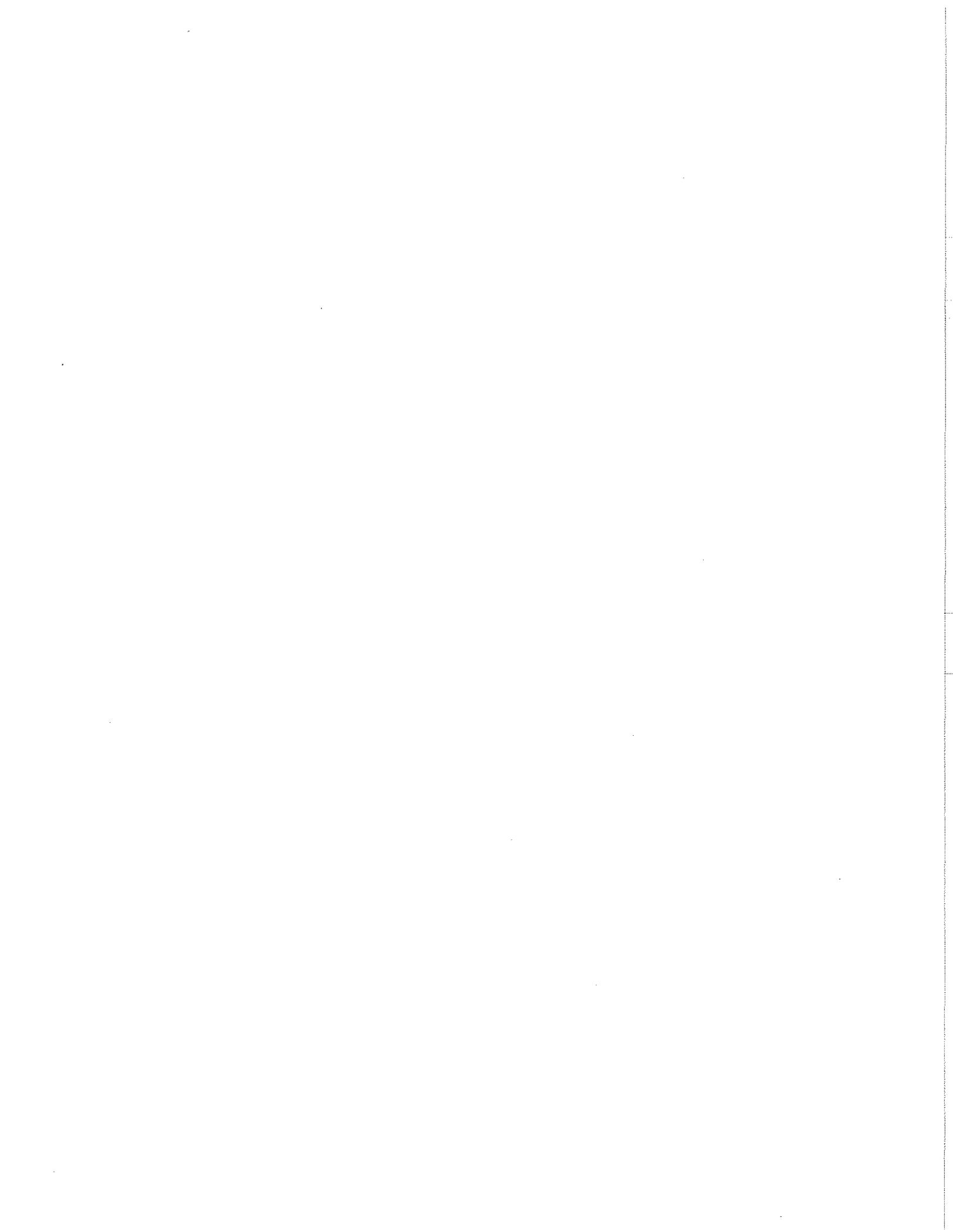


Fred Lettice
Senior Manager
Coating, Printing, Aerospace
& Metal Finishing Operations

FL:Batch R2_Draft_ITT Cover Letter

Enclosures:

Statement of Basis
Permit Summary
Draft Title V renewal permit
Form 500-C1 (revised 01/06)
Form 500-A2
Corrected Form 500-C1



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Title V Permit Summary

AQMD Facility ID:	022364	Company Name:	ITT Industries, Cannon		
Equipment Location:	666 East Dyer Road, Santa Ana, CA 92705			SIC Code: 3643	
Permit Revision #:	Revision Date:	Facility Permit Section(s) Affected:			
Application #(s):	473361	Application Submittal Date(s):	9/5/07		
AQMD Contact Person:	Hamed Mandilawi	Phone #:	(909) 396-3275	E-Mail Address: hmandilawi@aqmd.gov	
Project Description: This is an existing facility applying for a Title V permit renewal that is engaged in the manufacturing of telecommunication equipment. The facility operates surface preparation lines, metal plating lines, spray booths, a storage tank, a wave solder machine, an emergency internal combustion engine, a waste water treatment system, scrubbers, a carbon adsorption system, and other supporting equipment.					
Permit Type: <input type="checkbox"/> Initial Title V Permit <input type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal					
Permit Features: <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input checked="" type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other: _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance					
Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2009		<input type="checkbox"/> No TACs Reported <input checked="" type="checkbox"/> The Following TACs Were Reported:		Emissions (lbs/yr):	
		Ammonia		3247	
		Benzene		0.041	
		Cadmium		0.003	
		Formaldehyde		0.087	
		Naphthalene		0.001	
		Nickel		0.031	
		PAHs		0.001	
Health Risk From Toxic Air Contaminants: <input type="checkbox"/> Health Risk Reduction Plan in Force (AQMD Rule 1402) (date): _____ <input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401) <input checked="" type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588) <input type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements <input checked="" type="checkbox"/> AQMD is Tracking Status of Facility under AB2588 <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed <input type="checkbox"/> Final Facility Health Risk Approved (date) _____ Cancer Risk = <u>in one million</u> Acute Hazard Index = _____ Chronic Hazard Index = _____					
Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2009		<input checked="" type="checkbox"/> NOx	5.167	<input checked="" type="checkbox"/> PM	0.085
		<input checked="" type="checkbox"/> CO	0.216	<input checked="" type="checkbox"/> SOx	0.001
		<input checked="" type="checkbox"/> VOC	2.444	<input type="checkbox"/> Other:	_____
Compliance History: <input checked="" type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (# 0) <input checked="" type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (# 0) <input checked="" type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (# 1)					
Comments:					

South Coast Air Quality Management District

Statement of Basis

Proposed Title V Renewal Permit

Facility Name: ITT Industries, Cannon
Facility ID: 022364
SIC Code: 3643
Equipment Location: 666 East Dyer Road
Santa Ana, CA 92705

Application #(s): 473361
Application Submittal Date(s): 7/5/07

AQMD Contact Person: Hamed Mandilawi, Senior Engineer
Phone Number: (909) 396-3275
E-Mail Address: hmandilawi@aqmd.gov

1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, each facility is required to submit a Title V renewal application and requested the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO₂, SO₂, CO, and lead are in attainment with federal standards. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V renewal permit is proposed to be issued to cover the operations of ITT Industries, Cannon located at 666 East Dyer Road, Santa Ana, CA 92705. This facility is subject to Title V requirements because it is a major source.

2. Facility Description

This is an existing facility that is in the business of manufacturing of telecommunication equipment. The facility operates surface preparation lines, metal plating lines, spray booths, a storage tank, a wave solder machine, an ~~emergency internal combustion engine~~, a waste water treatment system, and other supporting equipment. Particulate matter (PM) emissions from the surface preparation and metal plating lines are vented to air pollution control equipment scrubbers. In addition, Volatile Organic Compound (VOC) emissions from two spray booths are vented to an air pollution control system consisting of a condenser and a carbon adsorber.

No IC
Engine

3. Construction and Permitting History

The facility has been in constant operation with a Title V permit at this location since 2002.

4. Regulatory Applicability Determinations

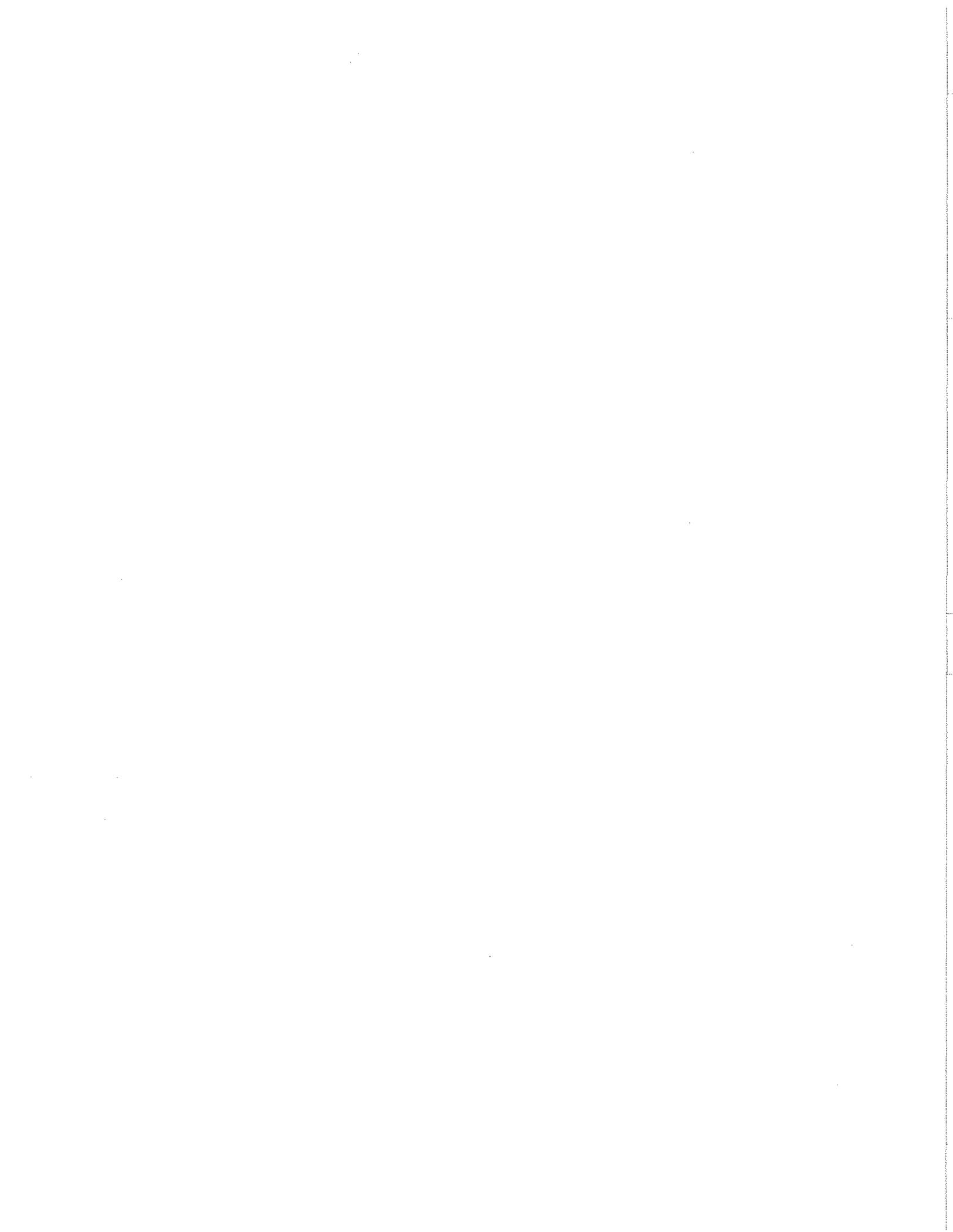
Applicable legal requirements for which this facility is required to comply are required to be identified in the Title V permit (for example, Section D, E, and H of the proposed Title V permit). Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. This facility is not subject to any NSPS or NESHAP Requirements.

5. Monitoring and Operational Requirements

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Section D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable guidance documents: SCAQMD Periodic Monitoring Guidelines for Title V Facilities (November 1997); CAPCOA/CARB/EPA Region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999); and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP: Combustion Sources (July 2001).

PM emissions from the surface preparation and metal plating lines are vented to several air pollution control equipment scrubbers. However, since the uncontrolled PM10 emissions to each scrubber is less than 70 tons per year, the Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 is not applicable to the scrubbers.

In addition, the VOC emissions from two spray booths are vented to an air pollution control system consisting of a condenser and a carbon adsorber. However, since the VOC emissions



vented to the system is less than 10 tons per year, the Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 is not applicable to this system.

6. Permit Features

Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

7. Summary of Emissions and Health Risks

Criteria Pollutant Emissions (tons/year) Annual Reported Emissions for Reporting Period 2009

Pollutant	Emissions (tons/year)
NOx	5.167
CO	0.216
VOC	2.444
PM	0.085
SOx	0.001

Toxic Air Contaminants Emissions (TAC) Annual Reported Emissions for Reporting Period 2009

The Following TACs Were Reported	Emissions (lbs/yr)
Ammonia	3247
Benzene	0.041
Cadmium	0.003
Formaldehyde	0.087
Naphthalene	0.001



The Following TACs Were Reported	Emissions (lbs/yr)
Nickel	0.031
PAHs	0.001

Health Risk from Toxic Air Contaminants

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The AQMD is tracking the status of this facility under AB2588.

8. Compliance History

As noted, the facility has been in constant operation with a Title V permit since 2002. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaints or Notices to Comply issued in the last two years. However, the facility was issued a Notice of Violation on 10/23/09 for failure to submit the third quarter of 2008 NOx emissions report on time. The facility is currently operating in compliance with all applicable rules and permit conditions.

9. Compliance Certification

By virtue of the Title V permit application and issuance of this Title V renewal permit, the reporting frequency for compliance certification for the facility shall be annual.





FACILITY PERMIT TO OPERATE

Corporation

~~ITT INDUSTRIES, CANNON~~
666 E DYER RD
SANTA ANA, CA 92705

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 ITT INDUSTRIES, CANNON

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**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: ITT ~~INDUSTRIES, CANNON~~
LEGAL OPERATOR (if different than owner): Corporation
EQUIPMENT LOCATION: 666 E DYER RD
SANTA ANA, CA 92705-5684
MAILING ADDRESS: 666 E DYER E
SANTA ANA, CA 92705-5612
RESPONSIBLE OFFICIAL: ~~STUART LOWE~~ Samuel Flores
TITLE: DIRECTOR OF OPERATIONS
TELEPHONE NUMBER: (714) 628-2003
CONTACT PERSON: WILLIAM LITTEN
TITLE: ESH SUPERVISOR
TELEPHONE NUMBER: (714) 628-2148
INITIAL TITLE V PERMIT ISSUED: November 21, 2002
TITLE V PERMIT EXPIRATION DATE: November 20, 2007

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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 ¹ Holding as of 05/26/2010 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2007 6/2008	Coastal	0	0	0
1/2008 12/2008	Coastal	858	1069	23
7/2008 6/2009	Coastal	0	0	0
1/2009 12/2009	Coastal	858	448	46
7/2009 6/2010	Coastal	0	2634	0
1/2010 12/2010	Coastal	858	688	69
1/2011 12/2011	Coastal	858	665	93
1/2012 12/2012	Coastal	858	665	93
1/2013 12/2013	Coastal	858	665	93
1/2014 12/2014	Coastal	858	665	93
1/2015 12/2015	Coastal	858	665	93
1/2016 12/2016	Coastal	858	665	93
1/2017 12/2017	Coastal	858	665	93
1/2018 12/2018	Coastal	858	665	93
1/2019 12/2019	Coastal	858	665	93
1/2020 12/2020	Coastal	858	665	93
1/2021 12/2021	Coastal	858	665	93

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
ITT INDUSTRIES, CANNON**

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 ¹ Holding as of 05/26/2010 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
1/2022 12/2022	Coastal	858	665	93
1/2023 12/2023	Coastal	858	665	93
1/2024 12/2024	Coastal	858	665	93
1/2025 12/2025	Coastal	858	665	93

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
ITT INDUSTRIES, CANNON**

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)
1/1994	12/1994	Coastal	3683	0



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section C	Page: 1
Facility ID:	022364
Revision #:	DRAFT
Date:	June 03, 2010

**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
System 4: CADMIUM PLATING LINE NO. 1 (WIRE)					S13.1
PROCESS TANK, NO. W-23, UNHEATED, CADMIUM PLATING, CADMIUM, SODIUM CYANIDE, SODIUM HYDROXIDE, NICKEL, WITH ONE 500-A RECTIFIER., WIDTH: 2 FT 10 IN; HEIGHT: 2 FT 6 IN; LENGTH: 7 FT 6 IN A/N:	D23			Tin Fusing Line application in progress. A/N 483640. Tanks H69-H73.	A433.1, E193.1, E193.2
PROCESS TANK, NO. W-24, UNHEATED, CADMIUM PLATING, CADMIUM, SODIUM CYANIDE, SODIUM HYDROXIDE, NICKEL WITH ONE 300-A RECTIFIER, WIDTH: 2 FT 10 IN; HEIGHT: 2 FT 6 IN; LENGTH: 7 FT 6 IN A/N:	D24				A433.1, E193.1, E193.2
PROCESS TANK, NO. W-28, UNHEATED, ZINC COBALT PLATING, ZINC CHLORIDE, POTASSIUM CHLORIDE, BORIC ACID, GLYCOL ETHER, COBALT CHLORIDE, WITH ONE 50-A RECTIFIER, WIDTH: 3 FT .5 IN; HEIGHT: 3 FT ; LENGTH: 2 FT 8.5 IN A/N:	D206		Permit Modification Application in progress. A/N 482669. Tanks W25, W28, W29, W32, W35.		A433.1, E193.1, E193.2
System 5: CADMIUM PLATING LINE NO. 2 (BARREL)					S13.1

* (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 ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. SB-1, UNHEATED, ZINCO PLATE, ZINC COBALT, SODIUM HYDROXIDE, WITH ONE 300-A RECTIFIER, WIDTH: 2 FT 10 IN; HEIGHT: 2 FT 6 IN; LENGTH: 4 FT A/N:	D207				A433.2, E193.1, E193.2
PROCESS TANK, NO. SB-6, UNHEATED, CADMIUM PLATING, SODIUM CYANIDE, SODIUM HYDROXIDE, NICKEL, WITH ONE 500-A RECTIFIER AND ONE 100-A RECTIFIER, WIDTH: 3 FT 2 IN; HEIGHT: 2 FT 3 IN; LENGTH: 8 FT A/N:	D25				A433.2, E193.1, E193.2
System 12: ELECTROLESS NICKEL PLATING LINE					S13.1
PROCESS TANK, NO. N-1, HEATED, ELECTROLESS NICKEL STRIKE, AMMONIUM HYDROXIDE, NICKEL SULFAMATE, SODIUM HYPOPHOSPHITE, WIDTH: 2 FT 5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT A/N:	D218	C184			A433.7, A433.9, D12.15, E57.2, E193.1
PROCESS TANK, NO. N-2, HEATED, ELECTROLESS NICKEL STRIKE, AMMONIUM HYDROXIDE, NICKEL SULFAMATE, SODIUM HYPOPHOSPHITE, WIDTH: 2 FT 5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT A/N:	D219	C184			A433.7, A433.9, D12.15, E57.2, E193.1

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. N-5, HEATED, ELECTROLESS NICKEL PLATE, NICKEL SULFATE, SODIUM HYPOPHOSPHITE, NAOH, ACETIC, DIGLYCOLIC & CARBONIC ACIDS, WIDTH: 4 FT 9 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT A/N:	D220	C184	tanks N-5 and N-6 also contain malic acid and lactic acid		A433.7, A433.9, D12.15, E57.2, E193.1
PROCESS TANK, NO. N-6, HEATED, ELECTROLESS NICKEL PLATE, NICKEL SULFATE, SODIUM HYPOPHOSPHITE, NAOH, ACETIC, DIGLYCOLIC & CARBONIC ACIDS, WIDTH: 4 FT 9 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT A/N:	D221	C184			A433.7, A433.9, D12.15, E57.2, E193.1
PROCESS TANK, NO. PT-13, UNHEATED, ZINCATE, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT A/N:	D212				A433.7, E193.1
PROCESS TANK, NO. PT-14, UNHEATED, ZINCATE, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT A/N:	D213				A433.7, E193.1
PROCESS TANK, NO. PT-16, UNHEATED, ZINCATE STRIP, NITRIC ACID, WIDTH: 2 FT 5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N:	D216	C184			A433.7, E57.2, E193.1

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. PT-18, UNHEATED, ZINCATE STRIP, NITRIC ACID, WIDTH: 2 FT 5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT A/N:	D217	C184			A433.7, E57.2, E193.1
PROCESS TANK, NO. PT-21, UNHEATED, ZINCATE, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 2 FT 5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT A/N:	D214	C184			A433.7, E57.2, E193.1
PROCESS TANK, NO. PT-22, UNHEATED, ZINCATE, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 2 FT 5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT A/N:	D215	C184			A433.7, E57.2, E193.1
System 13: GENERAL PRETREATMENT					S13.1
PROCESS TANK, NO. PT-1, HEATED, ALKALINE CLEANER, SODIUM HYDROXIDE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT .5 IN A/N:	D222	C184			A433.4, A433.10, D12.15, E57.2, E193.1
PROCESS TANK, NO. PT-3, HEATED, ALKALINE CLEANER, SODIUM HYDROXIDE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT .5 IN A/N:	D223	C184			A433.4, A433.10, D12.15, E57.2, E193.1

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. PT-5, UNHEATED, ACID CLEANER, NITRIC ACID, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 6 IN; LENGTH: 3 FT 5 IN A/N:	D224	C184			A433.4, E57.2, E193.1
PROCESS TANK, NO. PT-7, UNHEATED, MIXED ACID CLEANER, SULFURIC AND NITRIC ACIDS, WIDTH: 2 FT 11.5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 5 IN A/N:	D225	C184		PT-7 and PT-8 also contain ammonium bifluoride	A433.4, E57.2, E193.1
PROCESS TANK, NO. PT-8, UNHEATED, MIXED ACID CLEANER, SULFURIC AND NITRIC ACIDS, WIDTH: 2 FT 11.5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 5 IN A/N:	D226	C184			A433.4, E57.2, E193.1
PROCESS TANK, NO. PT-10, UNHEATED, ACID CLEANER, NITRIC ACID, WIDTH: 2 FT 11.5 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 5 IN A/N:	D227	C184			A433.4, E57.2, E193.1
System 15: HERMATIC PLATING LINE					S13.1
PROCESS TANK, NO. H-10, HEATED, ELECTROPOLISH SOLUTION, WITH ONE 200-A RECTIFIER, WIDTH: 1 FT 11.25 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 9.5 IN A/N: 304506	D53	C182		Application in progress A/N 469647. Updated tank inventory sent 11/17/08 for tanks H10-H73.	E57.2

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. H-13, HEATED, ELECTROCLEAN, SODIUM HYDROXIDE, WITH ONE 200-A RECTIFIER, WIDTH: 1 FT 10.75 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 7 IN A/N: 304506	D55	C182			E57.2
PROCESS TANK, NO. H-15, MURIATIC ACID, WIDTH: 1 FT 11.25 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 9.25 IN A/N: 304506	D56	C182			E57.2
PROCESS TANK, NO. H-17, SULFURIC ACID, WIDTH: 1 FT 11.5 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 9.25 IN A/N: 304506	D54	C182			E57.2
PROCESS TANK, NO. H-20, ACID INHIBITOR, MURIATIC ACID, 2-BUTYNYEDIOL, -1, 4, WIDTH: 1 FT 11.5 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 9.25 IN A/N: 304506	D59	C182			E57.2
PROCESS TANK, NO. H-22, STEEL BRIGHT DIP, OXALIC ACID, HYDROGEN PEROXIDE, WIDTH: 1 FT 11.25 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 9.25 IN A/N: 304506	D60	C182			E57.2
PROCESS TANK, NO. H-24, MURIATIC ACID, WIDTH: 1 FT 11.5 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 9 IN A/N: 304506	D57	C182			E57.2

- | | |
|---|---|
| <p>* (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</p> | <p>(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</p> |
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. H-26, HEATED, COPPER STRIKE, COPPER, POTASSIUM CYANIDE, POTASSIUM HYDROXIDE, WITH ONE 50-A RECTIFIER, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 1 FT 11 IN A/N: 304506	D61	C182			E57.2
PROCESS TANK, NO. H-29, HEATED, GOLD STRIKE, GOLD POTASSIUM CYANIDE, NICKEL, WITH ONE 50-A RECTIFIER, WIDTH: 1 FT 11.5 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 11.5 IN A/N: 304506	D62	C182			E57.2
PROCESS TANK, NO. H-32, HEATED, GOLD PLATING, GOLD POTASSIUM CYANIDE, NICKEL, WITH ONE 50-A RECTIFIER, WIDTH: 1 FT 11 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 7.25 IN A/N: 304506	D63	C182			E57.2
PROCESS TANK, NO. H-33, HEATED, GOLD PLATING, GOLD POTASSIUM CYANIDE, NICKEL, WITH ONE 50-A RECTIFIER, WIDTH: 1 FT 11 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 7.25 IN A/N: 304506	D64	C182			E57.2
PROCESS TANK, NO. H-37, HEATED, CLEANER, POTASSIUM CYANIDE, WITH ONE 50-A RECTIFIER, WIDTH: 1 FT 11.25 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 11.5 IN A/N: 304506	D65	C182			E57.2

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. H-41, HEATED, SULFAMATE NICKEL, NICKEL, BORIC ACID, SULFAMIC ACID, WITH ONE 100-A RECTIFIER, WIDTH: 2 FT 3.25 IN; HEIGHT: 3 FT ; LENGTH: 3 FT 11 IN A/N: 304506	D66	C182			E57.2
PROCESS TANK, NO. H-42, HEATED, SULFAMATE NICKEL, NICKEL, BORIC ACID, SULFAMIC ACID, WITH ONE 100-A RECTIFIER, WIDTH: 1 FT 11.5 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 11.25 IN A/N: 304506	D67	C182			E57.2
PROCESS TANK, NO. H-45, WOOD NICKEL STRIKE, NICKEL CHLORIDE, HYDROCHLORIC ACID, WITH ONE 50-A RECTIFIER, WIDTH: 1 FT 11.5 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 11.5 IN A/N: 304506	D68	C182			E57.2
PROCESS TANK, NO. H-48, HEATED, COPPER CYANIDE PLATING, COPPER, POTASSIUM CYANIDE, POTASSIUM HYDROXIDE, WITH ONE 100-A RECTIFIER, WIDTH: 1 FT 11.5 IN; HEIGHT: 3 FT ; LENGTH: 5 FT A/N: 304506	D69	C182			E57.2
PROCESS TANK, NO. H-51, BRITE DIP, SULFURIC ACID, NITRIC ACID, WIDTH: 1 FT 11 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 11 IN A/N: 304506	D70	C182			E57.2

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. H-55, CADMIUM PLATING, CADMIUM, POTASSIUM CYANIDE, POTASSIUM HYDROXIDE, WITH ONE 100-A RECTIFIER, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 5 FT A/N: 304506	D71	C182			E57.2
PROCESS TANK, NO. H-57, MURIATIC ACID, WIDTH: 1 FT 11 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 11 IN A/N: 304506	D58	C182			E57.2
PROCESS TANK, NO. H-59, HEATED, TIN PLATING, TIN POTASSIUM HYDROXIDE, WITH ONE 40-A RECTIFIER, WIDTH: 2 FT 3 IN; HEIGHT: 3 FT ; LENGTH: 3 FT 11 IN A/N: 304506	D72	C182			E57.2
PROCESS TANK, NO. H-61, COPPER STRIPPING, AMMONIUM HYDROXIDE, SODIUM CHLORITE, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 1 FT 7 IN A/N: 304506	D234	C182			
PROCESS TANK, NO. H-63, HEATED, TIN PLATING, TIN, POTASSIUM HYDROXIDE, WITH ONE 100-A RECTIFIER, WIDTH: 2 FT 4 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 3 IN A/N: 304506	D73	C182			E57.2

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. H-65, HEATED, GOLD STRIP, AMMONIUM HYDROXIDE, WIDTH: 10.5 IN; HEIGHT: 3 FT ; LENGTH: 1 FT 9.75 IN A/N: 304506	D74	C182			E57.2
PROCESS TANK, NO. H-66, HEATED, NICKEL STRIP, AMMONIUM HYDROXIDE, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 2 FT A/N: 304506	D75	C182			E57.2
System 16: STEPLATING LINE					S13.1
PROCESS TANK, NO. A4, UNHEATED, NITRIC ACID STRIP, WIDTH: 1 FT 10 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D77	C184			A433.5, E57.2, E193.1
PROCESS TANK, NO. A5, UNHEATED, NITRIC ACID STRIP, WIDTH: 1 FT 10 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D78	C184			A433.5, E57.2, E193.1
PROCESS TANK, NO. A8, HEATED, NON-ETCH CLEANER, SODIUM METASILICATE, TRISODIUM PHOSPHATE, WIDTH: 1 FT 10 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D79	C184			A433.5, A433.8, D12.15, E57.2, E193.1
PROCESS TANK, NO. A11, HEATED, ETCH CLEANER, SODIUM HYDROXIDE, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D80	C184			A433.5, A433.8, D12.15, E57.2, E193.1

<p>* (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</p>	<p>(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</p>
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FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. A14, UNHEATED, ACID DIP, 20% NITRIC ACID, WIDTH: 1 FT 9 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D81	C184			A433.5, E57.2, E193.1
PROCESS TANK, NO. A16, UNHEATED, MIXED ACID, AMMONIUM BIFLUORIDE, SULFURIC ACID, NITRIC ACID, WIDTH: 2 FT 11 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D82	C184			A433.5, E57.2, E193.1
PROCESS TANK, NO. A19, UNHEATED, ACID DIP, 33.5% NITRIC ACID, WIDTH: 2 FT 11 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D83	C184			A433.5, E57.2, E193.1
PROCESS TANK, NO. A23, UNHEATED, ZINCATE, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D84	C183			A433.5, E57.2, E193.1
PROCESS TANK, NO. A26, UNHEATED, ACID DIP, 33.5 % NITRIC ACID, WIDTH: 1 FT 9 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D85	C184			A433.5, E57.2, E193.1
PROCESS TANK, NO. A29, UNHEATED, ZINCATE, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D86	C183			A433.5, E57.2, E193.1

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. B15, UNHEATED, CADMIUM OXIDE, SODIUM HYDROXIDE, SODIUM CYANIDE, NICKEL SULFATE, WITH ONE 500-A RECTIFIER, WIDTH: 2 FT 8 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D96	C183			A433.5, C1.13, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. B16, UNHEATED, CADMIUM OXIDE, SODIUM HYDROXIDE, SODIUM CYANIDE, NICKEL SULFATE, WITH ONE 500-A RECTIFIER, WIDTH: 2 FT 8 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D95	C183			A433.5, C1.13, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. B17, UNHEATED, CADMIUM OXIDE, SODIUM HYDROXIDE, SODIUM CYANIDE, NICKEL SULFATE, WITH ONE 500-A RECTIFIER, WIDTH: 2 FT 8 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D94	C183			A433.5, C1.13, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. B19, UNHEATED, CADMIUM PLATING/COPPER STRIKE, CADMIUM OXIDE, SODIUM HYDROXIDE, SODIUM CYANIDE, NICKEL SULFATE, 500-A RECTIFIR, WIDTH: 2 FT 8 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D93	C183			A433.5, C1.13, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27

* (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 ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. B22, UNHEATED, ZINC COBALT PLATE, ZINC CHLORIDE, BORIC ACID, POTASSIUM CHLORIDE, ETHYLENE GLYCOL, WITH ONE 500-A RECTIFIER, WIDTH: 1 FT 9 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D92	C184			A433.5, C1.13, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. B23, UNHEATED, ZIC-COBALT PLATE, ZINC CHLORIDE, BORIC ACID, POTASSIUM CHLORIDE, ETHYLENE GLYCOL, WITH ONE 500-A RECTIFIER, WIDTH: 2 FT 10 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D91	C184			A433.5, C1.13, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. B26, UNHEATED, MURIATIC ACID, WIDTH: 1 FT 9 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D90	C184			A433.5, E57.2, E193.1
PROCESS TANK, NO. B27, HEATED, NICKEL ACTIVATOR, SODIUM BISULFATE, SODIUM FLUORIDE, WIDTH: 2 FT ; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D89	C184			A433.5, A433.8, E57.2, E193.1

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, B31,B32,B33, HEATED, ELECTROLESS NICKEL, AMMONIUM HYDROXIDE, NICKEL SULFAMATE, NICKEL SULFATE, WITH AIR SPARGING, WIDTH: 5 FT 10 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D88	C184			A433.5, A433.8, E57.2, E193.1
PROCESS TANK, B34,B35,B36, HEATED, ELECTROLESS NICKEL, AMMONIUM HYDROXIDE, NICKEL SULFAMATE, NICKEL SULFATE, WITH AIR SPARGING, WIDTH: 5 FT 10 IN; HEIGHT: 3 FT ; LENGTH: 4 FT 2 IN A/N:	D87	C184			A433.5, A433.8, E57.2, E193.1
System 17: DECORATIVE CHROME PLATING LINE					S1.1, S1.2, S13.1, S42.18
PROCESS TANK, NO. M-1, SOAK CLEANER, SODIUM METASILICATE, TRISODIUM PHOSPHATE , PROPRIETARY NONHAZ. DISSOLVED SOLIDS, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D99	C184		Modification application in progress: A/N 498157 for tanks M-1 to M-23 and C-1 to C-19.	A433.13, E193.4
PROCESS TANK, NO. M-3, CHROMATE STRIPPER, SODIUM HYDROXIDE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D100	C184			A433.13, E193.4

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. M-5, CADMIUM STRIPPER, AMMONIUM NITRATE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D101	C184			A433.13, E193.4
PROCESS TANK, NO. M-7, NITRIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D102	C184			A433.12, E193.4
PROCESS TANK, NO. M-9, MURIATIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D103	C184			A433.12, E193.4
PROCESS TANK, NO. M-11, MURIATIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D104	C184			A433.12, A433.13, E193.4
PROCESS TANK, NO. M-13, PASSIVATION, SODIUM DICHROMATE, NITRIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D105	C184			A433.12, E193.4
PROCESS TANK, NO. M-14, PASSIVATION, SODIUM DICHROMATE, NITRIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D106	C184			A433.12, E193.4

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

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FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. M-16, NICKEL ACTIVATOR, SODIUM BISULFATE, SODIUM FLUORIDE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D107	C184			A433.13, E193.4
PROCESS TANK, M-19, SILVER STRIPPER, SULFURIC ACID, NITRIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D108	C184			A433.12, A433.13, E193.4
PROCESS TANK, NO. M-21, GOLD STRIPPER, POTASSIUM CYANIDE, LEAD OXIDE, WIDTH: 1 FT 4 IN; HEIGHT: 1 FT 2 IN; LENGTH: 2 FT 4 IN A/N: 380841	D109	C184			A433.13, E193.4
PROCESS TANK, NO. C-1, NITRIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D110	C184			A433.12, E193.4
PROCESS TANK, NO. C-4 BLACK DYE, PROPRIETARY NON-HAZARDOUS, INORGANIC DYE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D111	C184			E193.4
PROCESS TANK, NO. C-7, CHROMIC OXIDE, NITRIC ACID, SULFURIC ACID, ACETIC ACID, SODIUM DICHROMATE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D112	C184			A433.12, E193.4

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

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FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. C-9, OLIVE DRAB, FORMIC ACID, NITRIC ACID, SODIUM BICHROMATE, ZINC NITRATE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D113	C184			E193.4
PROCESS TANK, NO. C-10, CHROMIC ACID, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D114	C184			E193.4
PROCESS TANK, NO. C-14, OLIVE DRAB, FORMIC ACID, NITRIC ACID, SODIUM BICHROMATE, ZINC NITRATE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D115	C184			E193.4
PROCESS TANK, NO. C-17, CHROMIC ACID, BARIUM NITRATE, SODIUM SILICOFUORIDE, FERRICYANIDE, WIDTH: 2 FT ; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 380841	D116	C184			E193.4
System 18: HBS PLATING LINE					S13.1
PROCESS TANK, NO. ST3, HEATED, CLEANING, SODIUM HYDROXIDE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D117	C185			A433.6, A433.11, D12.15, E57.2, E193.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. ST6, HEATED, PICKLING SOLUTION, FLUOBORIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D118	C186			A433.6, A433.11, D12.15, E57.2, E193.1
PROCESS TANK, NO. ST7, UNHEATED, ACID ACTIVATION SULFURIC, AMMONIUM BIFLUORIDE, SULFURIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D119	C186			A433.6, E57.2, E193.1
PROCESS TANK, NO. ST9, UNHEATED, SILVER PARTS ACTIVATION, AMMONIUM PERSULFATE BIFLUORIDE, SODIUM BISULFATE, SULFAMIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D120	C186			A433.6, E57.2, E193.1
PROCESS TANK, NO. ST10, UNHEATED, ACID ACTIVATION NITRIC, AMMONIUM BIFLUORIDE, SULFURIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D121	C186			A433.6, E57.2, E193.1

<p>* (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</p>	<p>(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</p>
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FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. ST13, HEATED, 330-A RECTIFIED, COPPER STRIKE, COPPER CYANIDE, POTASSIUM CYANIDE, POTASSIUM HYDROXIDE, WIDTH: 5 FT ; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D122	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST14, HEATED, 330-A RECTIFIED, COPPER STRIKE, COPPER CYANIDE, POTASSIUM CYANIDE, POTASSIUM HYDROXIDE, WIDTH: 5 FT ; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D123	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST15, HEATED, 330-A RECTIFIED, COPPER STRIKE, COPPER CYANIDE, POTASSIUM CYANIDE, POTASSIUM HYDROXIDE, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D124	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST20, UNHEATED, NEUTRALIZER, SULFAMIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D125	C186			A433.6, E57.2, E193.1

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

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FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. ST22, HEATED, 330-A RECTIFIED, NICKEL SULFAMATE PLATE, NICKEL SULFAMATE, BORIC ACID, SULFAMIC ACID, WIDTH: 7 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D126	C186			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST23, HEATED, 330-A RECTIFIED, NICKEL SULFAMATE PLATE, NICKEL SULFAMATE, BORIC ACID, SULFAMIC ACID, WIDTH: 7 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D127	C186			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST24, HEATED, 330-A RECTIFIED, NICKEL SULFAMATE PLATE, NICKEL SULFAMATE, BORIC ACID, SULFAMIC ACID, WIDTH: 7 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D128	C186			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST25, HEATED, 330-A RECTIFIED, NICKEL SULFAMATE PLATE, NICKEL SULFAMATE, BORIC ACID, SULFAMIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D129	C186			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27

<p>* (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</p>	<p>(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</p>
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**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. ST31, UNHEATED, NICKEL ACTIVATOR, HYDROCHLORIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D130	C185			A433.6, E57.2, E193.1
PROCESS TANK, NO. ST34, UNHEATED, CITRIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D131	C185			A433.6, E57.2, E193.1
PROCESS TANK, NO. ST35, HEATED, 30-A RECTIFIED, GOLD STRIKE, POTASSIUM GOLD CYANIDE, POTASSIUM CITRATE, POTASSIUM OXALATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 6 IN; LENGTH: 3 FT 11 IN A/N:	D132	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST36, HEATED, 100-A RECTIFIED, GOLD STRIKE, POTASSIUM GOLD CYANIDE, POTASSIUM CITRATE, POTASSIUM OXALATE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D133	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. ST37, HEATED, 100-A RECTIFIED, GOLD PLATE, POTASSIUM GOLD CYANIDE, POTASSIUM CITRATE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D134	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST38, HEATED, 100-A RECTIFIED, GOLD PLATE, POTASSIUM GOLD CYANIDE, POTASSIUM CITRATE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D135	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST39, HEATED, 100-A RECTIFIED, GOLD PLATE, POTASSIUM GOLD CYANIDE, POTASSIUM CITRATE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D136	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26
PROCESS TANK, NO. ST40, HEATED, 30-A RECTIFIED, GOLD PLATE, POTASSIUM GOLD CYANIDE, POTASSIUM CITRATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 6 IN; LENGTH: 3 FT 11 IN A/N:	D137	C185			A433.6, A433.11, D12.4, D12.15, E57.2, E193.1, E193.2, K67.26, K67.27

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: METAL FINISHING					
PROCESS TANK, NO. ST43, UNHEATED, 150-A RECTIFIED, SILVER STRIKE, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D138	C185			A433.6, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST44, UNHEATED, 150-A RECTIFIED, SILVER PLATE, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D139	C185			A433.6, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST45, UNHEATED, SILVER PLATE, 150-A RECTIFIED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, WIDTH: 2 FT 6 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11.5 IN A/N:	D140	C185			A433.6, D12.4, E57.2, E193.1, E193.2, K67.26, K67.27
PROCESS TANK, NO. ST49, UNHEATED, NEUTRALIZER, CITRIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 2 IN; LENGTH: 3 FT 11 IN A/N:	D141	C186			A433.6, E57.2, E193.1
Process 3: STORAGE TANK					

<p>* (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</p>	<p>(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</p>
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Process 3: STORAGE TANK					
STORAGE TANK, HYDROCHLORIC ACID, WITH A 40 GALLON VENT FUME CAUSTIC SPARGE TANK, WITH SPARGING TANK, 1500 GALS; DIAMETER: 6 FT ; LENGTH: 11 FT 6 IN A/N: 06051A	D196				C8.2
Process 7: WAVE SOLDERING MACHINE					
SOLDER MACHINE, WAVE, MODEL NO. LRT-2000, SERIAL NO. 0265337, WITH A FLEX FINGER CONVEYOR, 1/4 HP DRIVE, WITH A 4.03 GALLON SOLDER POT, 7.1 KW A/N: 344744	D156				C1.7, C1.8, K67.23
Process 8: EMERGENCY INTERNAL COMBUSTION ENGINES					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 8 CYLINDER, LIQUIFIED PETROLEUM GAS, GENERAC, MODEL 90A04536-5, NATURALLY ASPIRATED, 104 HP A/N: 344745	D159		NOX: PROCESS UNIT** <div style="border: 1px solid red; padding: 5px; width: fit-content; margin: 5px auto;">This IC Engine is gone.</div>	NOX: 139 LBS/1000 GAL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	C1.5, C1.6, E162.1, K67.22
Process 10: WASTE WATER TREATMENT					
PIT, RINSE, 2255 GALLON CAPACITY A/N: 268185	D161				
PIT, RINSE, 2255 GALLON CAPACITY A/N: 268185	D162				
PIT, RINSE, 2255 GALLON CAPACITY A/N: 268185	D163				

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10: WASTE WATER TREATMENT					
PIT, CHROME RINSE, 2217 GALLON CAPACITY A/N: 268185	D164				
FILTER, PRESS, WITH A FEED PUMP A/N: 268185	D176				
Process 11: AIR POLLUTION CONTROL EQUIPMENT					
System 6: HERMETIC SCRUBBER					
SCRUBBER, PACKED BED, HORIZONTAL TYPE, MODEL ACSFH77, WITH A 3 HP RECIRCULATION AND SPRAY PUMP, WITH A 19 HP EXHAUST BLOWER, WIDTH: 7 FT ; HEIGHT: 10 FT ; LENGTH: 7 FT A/N: 304507	C182	D53 D54 D55 D56 D57 D58 D59 D60 D61 D62 D63 D64 D65 D66 D67 D68 D69 D70 D71 D72 D73 D74 D75 D234		PM: (9) [RULE 404, 2-7-1986]	A63.5, C8.8, C8.9, H23.4
System 7: STI CYANIDE SCRUBBER					
MIST ELIMINATOR, SPRAYING SYSTEM CO, MODEL HHSJ-PVC-120-1400 SPIRALJET, HEIGHT: 1 FT ; DIAMETER: 6 FT A/N:	C236	C183			
SCRUBBER, PACKED BED, VANAIRE, MODEL VT-550, 5 FT OF 3.5 INCH LANPAC PACKING, NAOH/WATER SOLUTION, WITH A 7 1/2 HP RECIRCULATION PUMP, WITH A 20 HP EXHAUST BLOWER, HEIGHT: 13 FT ; DIAMETER: 6 FT A/N:	C183	D84 D86 D93 D94 D95 D96 C236		PM: (9) [RULE 404, 2-7-1986]	A63.5, C8.11, C10.1, C10.3, E71.7, E202.1, H23.4, K67.12, K67.14
System 8: STI ACID SCRUBBER					

* (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 ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 11: AIR POLLUTION CONTROL EQUIPMENT					
MIST ELIMINATOR, SPRAYING SYSTEM CO, MODEL HHSJ-PVC-120-960 SPIRELJET, HEIGHT: 1 FT ; DIAMETER: 10 FT A/N: 380843	C235	C184			
SCRUBBER, PACKED BED, VANAIRE, MODEL VT-550, WITH 5 FT OF Q-PAC SL PACKING, NAOH/WATER SOLUTION, WITH A 10 HP RECIRCULATION PUMP, WITH A 75 HP EXHAUST BLOWER, HEIGHT: 16 FT ; DIAMETER: 10 FT A/N: 380843	C184	D77 D78 D79 D80 D81 D82 D83 D85 D87 D88 D89 D90 D91 D92 D99 D100 D101 D102 D103 D104 D105 D106 D107 D108 D109 D110 D111 D112 D113 D114 D115 D116 D214 D215 D216 D217 D218 D219 D220 D221 D222 D223 D224 D225 D226 D227 C235		PM: (9) [RULE 404, 2-7-1986]	A63.5, C8.10, C10.1, C10.2, E71.14, E202.1, H23.4, K67.12, K67.14
System 9: HBS CYANIDE SCRUBBER					

* (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 ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 11: AIR POLLUTION CONTROL EQUIPMENT					
SCRUBBER, PACKED BED, AIR CHEM SYSTEMS, MODEL ACS CFV 6.5, WITH MIST ELIMINATOR, 5-HP RECIRCULATION PUMP, TWO 4.79-HP EXHAUST BLOWERS, HEIGHT: 12 FT 5 IN; DIAMETER: 6 FT 6 IN A/N: 356958	C185	D117 D122 D123 D124 D130 D131 D132 D133 D134 D135 D136 D137 D138 D139 D140		PM: (9) [RULE 404, 2-7-1986]	A63.5, C6.21, C8.13, H23.4
System 10: HBS ACID SCRUBBER					
SCRUBBER, PACKED BED, AIR CHEM SYSTEMS, MODEL ACS CFV 5.5, WITH MIST ELIMINATOR, 3-HP RECIRCULATION PUMP AND TWO 9.66-HP EXHAUST BLOWERS, HEIGHT: 12 FT 5 IN; DIAMETER: 5 FT 6 IN A/N: 356957	C186	D118 D119 D120 D121 D125 D126 D127 D128 D129 D141		PM: (9) [RULE 404, 2-7-1986]	A63.5, C6.20, C8.12, E71.13, H23.4
Process 12: SPRAY BOOTHS					
System 1: SPRAY BOOTH					
SPRAY COATING OPERATION, PAASCHE, MODEL NO. FABS4, BENCH TYPE, WITH ONE 3/4 HP EXHAUST FAN, 4 FT. W X 4 FT. L X 4 FT. H., TWO 2 FT X 4 FT EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 16322X	D187			PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1168, 10-3-2003; RULE 1168, 1-7-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	C6.19, D322.2, E175.1, H23.2, K67.25
System 2: SPRAY COATING AIR POLLUTION CONTROL SYSTEM					

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: SPRAY BOOTHS					
SPRAY COATING OPERATION, NO. 1, BLEEKER BROTHERS, MODEL SBF-4-7-ENC, WITH ONE 3/4 HP EXHAUST FAN AND FOUR 20" W X 20" L EXHAUST FILTERS, WITH SPRAY BOOTH A/N:	D188	C191		PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1168, 10-3-2003; RULE 1168, 1-7-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	B27.2, C1.15, C6.19, D322.2, E175.1, E336.1, H23.2, K67.25
SPRAY COATING OPERATION, NO. 2, BLEEKER BROTHERS, MODEL SBF-4-7-ENC, WITH ONE 3/4 HP EXHAUST FAN AND FOUR 20" W X 20" L EXHAUST FILTERS, WITH SPRAY BOOTH A/N:	D189	C191		PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1168, 10-3-2003; RULE 1168, 1-7-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	B27.2, C1.15, C6.19, D322.2, E175.1, E336.1, H23.2, K67.25
CARBON ADSORBER, VIC MODEL NO. 572-AS, WITH TWO STAGE PROCESS FILTERS, WITH A 15 HP EXHAUST BLOWER, WITH ACTIVATED CARBON ADSORPTION A/N: 349567	C190	C191			C1.15, E193.3, K67.18
CONDENSER, SHELL AND TUBE, WITH A 60 GALLON SURGE TANK, WITH A 1/4 HP PUMP A/N:	C191	D188 D189 C190			C1.15
Process 13: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E194			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.3
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E195			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.28

- | | |
|--|---|
| * (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 ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 13: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E237			VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.3

* (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
ITT INDUSTRIES, CANNON**

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
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SECTION D: DEVICE ID INDEX

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D25	2	2	5
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D54	6	2	15
D55	6	2	15
D56	6	2	15
D57	6	2	15
D58	9	2	15
D59	6	2	15
D60	6	2	15
D61	7	2	15
D62	7	2	15
D63	7	2	15
D64	7	2	15
D65	7	2	15
D66	8	2	15
D67	8	2	15
D68	8	2	15
D69	8	2	15
D70	8	2	15
D71	9	2	15
D72	9	2	15
D73	9	2	15
D74	10	2	15
D75	10	2	15
D77	10	2	16
D78	10	2	16
D79	10	2	16
D80	10	2	16
D81	11	2	16
D82	11	2	16
D83	11	2	16
D84	11	2	16
D85	11	2	16



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SECTION D: DEVICE ID INDEX

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D88	14	2	16
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D90	13	2	16
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D94	12	2	16
D95	12	2	16
D96	12	2	16
D99	14	2	17
D100	14	2	17
D101	15	2	17
D102	15	2	17
D103	15	2	17
D104	15	2	17
D105	15	2	17
D106	15	2	17
D107	16	2	17
D108	16	2	17
D109	16	2	17
D110	16	2	17
D111	16	2	17
D112	16	2	17
D113	17	2	17
D114	17	2	17
D115	17	2	17
D116	17	2	17
D117	17	2	18
D118	18	2	18
D119	18	2	18
D120	18	2	18
D121	18	2	18
D122	19	2	18



**FACILITY PERMIT TO OPERATE
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SECTION D: DEVICE ID INDEX

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D128	20	2	18
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D131	21	2	18
D132	21	2	18
D133	21	2	18
D134	22	2	18
D135	22	2	18
D136	22	2	18
D137	22	2	18
D138	23	2	18
D139	23	2	18
D140	23	2	18
D141	23	2	18
D156	24	7	0
D159	24	8	0
D161	24	10	0
D162	24	10	0
D163	24	10	0
D164	25	10	0
D176	25	10	0
C182	25	11	6
C183	25	11	7
C184	26	11	8
C185	27	11	9
C186	27	11	10
D187	27	12	1
D188	28	12	2
D189	28	12	2
C190	28	12	2



**FACILITY PERMIT TO OPERATE
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SECTION D: DEVICE ID INDEX

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E195	28	13	0
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D206	1	2	4
D207	2	2	5
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D213	3	2	12
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D216	3	2	12
D217	4	2	12
D218	2	2	12
D219	2	2	12
D220	3	2	12
D221	3	2	12
D222	4	2	13
D223	4	2	13
D224	5	2	13
D225	5	2	13
D226	5	2	13
D227	5	2	13
D234	9	2	15
C235	26	11	8
C236	25	11	7
E237	29	13	0



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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 322 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 control Volatile Organic Compound Emissions). Administrative change submitted 1/30/08. A second administrative change was submitted 9/1/09 to remove this condition entirely due to an erroneous health risk calculation on the original application. This is currently in progress A/N 380841 and 380930.
- (2) Within 14 calendar days record VOC emissions for the 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. Volatile Organic Compound Emissions). Administrative change submitted 1/30/08. A second administrative change was submitted 9/1/09 to remove this condition entirely due to an erroneous health risk calculation on the original application. This is currently in progress A/N 380841 and 380930.
- (3) The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for 36 months.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

material safety data sheets for all coatings and solvents used at this facility shall be kept current and made available to AQMD personnel upon request.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

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

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

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



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

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

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

F48.1 The operator shall not operate at this facility the nickel plating tanks if the current applied to the nickel plating tanks exceeds 861,798 ampere-hours per year.

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

SYSTEM CONDITIONS

S1.1 The operator shall limit the material processed to no more than 857 lb(s) in any one year.

For the purpose of this condition, material formic acid content of all solutions used in this s

The operator shall maintain records in demonstrate compliance with this condition.

Administrative change submitted 1/30/08. A second administrative change was submitted 9/1/09 to remove this condition entirely due to an erroneous health risk calculation on the original application. This is currently in progress A/N 380841 and 380930.

total
ct to

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

[Systems subject to this condition : Process 2, System 17]

S1.2 The operator shall limit the material processed to no more than 12 lb(s) in any one year.

For the purpose of this condition, material acetic acid content of all solutions used in this s

The operator shall maintain records in demonstrate compliance with this condition.

Administrative change submitted 1/30/08. A second administrative change was submitted 9/1/09 to remove this condition entirely due to an erroneous health risk calculation on the original application. This is currently in progress A/N 380841 and 380930.

total
ct to

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Systems subject to this condition : Process 2, System 17]

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1426

[RULE 1426, 5-2-2003]

[Systems subject to this condition : Process 2, System 4 , 5 , 12 , 13 , 15 , 16 , 17 , 18]

S42.18 The operator shall shall limit emissions from this system as follows::

CONTAMINANT	EMISSIONS LIMIT	UNIT
Hydrochloric Acid	0.23	pounds per hour
nitric acid	0.00028	pounds per hour

[RULE 1303(b)(2)-Offset, 5-10-1996; 1401, 8-18-2000]

Need AQMD recommendation on how to measure this and how it will be possible to demonstrate compliance?

[Systems subject to this condition : Process 2, System 17]

DEVICE CONDITIONS

A. Emission Limits



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C182, C183, C184, C185, C186]

A433.1 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table 1 with a date of listing of May 2, 2003 or earlier, except as identified below up to the following maximum content limits:

TAC	TANK NO.	MAXIMUM CONTENT (WEIGHT %)
Cadmium and Cadmium Compounds	W23, W24	2.6 Cd 1.6
Cobalt and Cobalt Compounds	W28	0.2 Pending open application in progress: 483640.
Nickel and Nickel Compounds	W23, W24	0.03 Ni 0.01
Sodium Hydroxide	W23, W24	2.2 NaOH 1.28
Zinc and Zinc Chloride	W28	6.7



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The concentration of total cadmium present in tanks W23 and W24 shall be measured and recorded immediately after each addition of any additive containing cadmium, and not less than once per month

The concentration of total nickel present in tanks W23 and W24 shall be measured and recorded immediately after each addition of any additive containing ~~cadmium~~, and not less than once per month nickel?

The concentration of sodium hydroxide present in tanks W23 and W24 shall be measured and recorded immediately after each addition of any additive containing ~~cadmium~~, and not less than once per month

sodium hydroxide?

The operator shall maintain records to demonstrate compliance with this condition

[RULE 1401, 5-2-2003]

[Devices subject to this condition : D23, D24, D206]

A433.2 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table 1 with a date of listing of May 2, 2003 or earlier, except as identified below up to the following maximum content limits:

TAC	TANK NO.		MAXIMUM CONTENT (WEIGHT %)
Cadmium and Cadmium Compounds	SB6	2.6 % Cadmium compounds	1.6
Cyanide Compounds	SB6	15% Cyanide compounds	12.2
Nickel and Nickel Compounds	SB6	0.03% Nickel compounds	0.01



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

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

Sodium Hydroxide	SB6	2.2 % NaOH	1.28
Sodium Hydroxide	SB1		11.25

The concentration of total cadmium present in tank SB6 shall be measured and recorded immediately after each addition of any additive containing cadmium, and not less than once per month.

The concentration of total cyanide present in Tank SB6 shall be measured and recorded immediately after each addition of any additive containing cyanide, and not less than once per month.

The concentration of total nickel present in tank SB6 shall be measured and recorded immediately after each addition of any additive containing nickel, and not less than once per month.

The concentration of sodium hydroxide present in tanks SB1 and SB6 shall be measured and recorded immediately after each addition of any additive containing sodium hydroxide, and not less than once per month.

The operator shall maintain records to demonstrate compliance with this condition.

[RULE 1401, 5-2-2003]

[Devices subject to this condition : D25, D207]

A433.4 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table 1 with a date of listing of May 2, 2003 or earlier, except as identified below up to the following maximum content limits:

TAC	TANK NO.	MAXIMUM CONTENT (WEIGHT %)
Nitric Acid	PT-7, PT8	53.6



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

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

Sodium Hydroxide	PT-1, PT-3		5	
Sulfuric Acid	PT-7, PT-8	19.4% sulfuric acid	18.6	
Nitric Acid	PT-5		11.1	nitric 20% for PT-5
Nitric Acid	PT-10		33.5	
Nitric Acid	PT-7, PT-8		53.6	

The concentration of nitric acid present in tanks containing nitric acid shall be measured and recorded immediately after each addition of any additive containing nitric acid, and not less than once per week

The concentration of sodium hydroxide present in tanks containing sodium hydroxide shall be measured and recorded immediately after each addition of any additive containing sodium hydroxide, and not less than once per week

The operator shall maintain records to demonstrate compliance with this condition

[RULE 1401, 5-2-2003]

[Devices subject to this condition : D222, D223, D224, D225, D226, D227]

A433.5 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table 1 with a date of listing of May 2, 2003 or earlier, except as identified below up to the following maximum content limits:

TANK NO.	TAC	MAXIMUM CONTENT (WEIGHT %)
A4, A5, A19, A26	Nitric Acid	33.5
A11	Sodium Hydroxide	7.5
A14	Nitric Acid	20
A16	Ammonium Bifluoride	7.6



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

A16	Nitric Acid		32.2
A16	Sulfuric Acid	33.5% nitric A16; sulfuric acid	12.7
A23, A29	Sodium Hydroxide	19.4% A16; sodium	7.8
A23, A29	Zinc & Zinc Comp	hydroxide 9%	1.3
B15, B16, B17	Cadmium Oxide	A23, A29; zinc	3
B15, B16, B17	Cyanide Compoun	oxide 2% A23, A29.	23
B15, B16, B17	Sodium Hydroxide		19
B15, B16 , B17	Nickel Sulfate	2.2% NaOH B15, 16, 17, 19	1
B19	Cadmium Oxide		3
B19	Cyanide Compounds		23
B19	Sodium Hydroxide		4
B19	Nickel Sulfate		1
B22, B23	Zinc & Zinc Chlorid	4.5% Zinc B22, B23	4
B22, B23	Potassium Chloride		20
B22, B23	Boric Acid		4
B22, B23	Ethylene Glycol		0.005
B26	Hydrochloric Acid		3
B31, B32, B33, B34, B35, B36	Ammonium Hydroxide		2.9
B31, B32, B33, B34, B35 , B36	Nickel Sulfamate		0.9
B31, B32, B33, B34, B35, B36	Nickel Sulfate		3

Pending
open
application
A/N 427436



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

The concentration of nitric acid present in tanks containing nitric acid shall be measured and recorded immediately after each addition of any additive containing nitric acid, and not less than once per week

The concentration of hydrochloric acid present in tanks containing hydrochloric acid shall be measured and recorded immediately after each addition of any additive containing hydrochloric acid, and not less than once per week

The concentration of total cadmium present in tanks containing cadmium and cadmium compounds shall be measured and recorded immediately after each addition of any additive containing cadmium, and not less than once per week

The concentration of total nickel present in tanks containing nickel and nickel compounds shall be measured and recorded immediately after each addition of any additive containing nickel, and not less than once per week

The concentration of sodium hydroxide present in tanks containing sodium hydroxide shall be measured and recorded immediately after each addition of any additive containing sodium hydroxide, and not less than once per week

The operator shall maintain records to demonstrate compliance with this condition

[RULE 1401, 5-2-2003]

[Devices subject to this condition : D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96]

A433.6 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table 1 with a date of listing of May 2, 2003 or earlier, except as identified below up to the following maximum content limits:

TAC	TANK NO.	MAXIMUM CONTENT (WEIGHT %)



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

	Cyanide Compounds		ST13, ST14, ST15, ST35, ST36, ST37, ST38, ST39, ST40 , ST43, ST44, ST45		8	
						ST13, ST14, ST15, ST35, ST36, ST 37, ST38, ST43, ST44, ST45
sulfuric acid 20%; not hydrogen chloride	Hydrogen Chloride		ST31		3	
	Fluorides & Fluoride Compounds		ST6, ST7, ST9, ST10		23	A/N 427450
	Nickel Sulfamate		ST22, ST23, ST24, ST25		20	
	Sodium Hydroxide		ST3		10	
	Sulfuric Acid		ST7		3	

The concentration of hydrogen chloride present in tanks containing hydrogen chloride shall be measured and recorded immediately after each addition of any additive containing hydrogen chloride, and not less than once per week.

The concentration of sodium hydroxide present in tanks containing sodium hydroxide shall be measured and recorded immediately after each addition of any additive containing sodium hydroxide, and not less than once per week.

The concentration of nickel sulfamate present in tanks containing nickel sulfamate shall be measured and recorded immediately after each addition of any additive containing nickel sulfamate, and not less than once per week.

The operator shall maintain records to demonstrate compliance with this condition

[RULE 1401, 5-2-2003]



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

[Devices subject to this condition : D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D131, D132, D133, D134, D135, D136, D137, D138, D139, D140, D141]

A433.7 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table 1 with a date of listing of March 4, 2005 or earlier, except as identified below up to the following maximum content limits:

TAC	TANK NO.	MAXIMUM CONTENT (WEIGHT %)
Ammonium Hydroxide	N-1, N-2	1.5
Nitric Acid	PT-16, PT-18	33.5
Sodium Hydroxide	N-5, N-6	1.5
Sodium Hydroxide	PT-13, PT-14, PT-21, PT-22	7.8
Nickel Sulfate	N-5, N-6	2.2
Nickel Sulfamate	N-1, N-2	2.25



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

The concentration of nitric acid present in tanks containing nitric acid shall be measured and recorded immediately after each addition of any additive containing nitric acid, and not less than once per week

The concentration of total nickel present in tanks containing nickel and nickel compounds shall be measured and recorded immediately after each addition of any additive containing nickel, and not less than once per week

The concentration of sodium hydroxide present in tanks containing sodium hydroxide shall be measured and recorded immediately after each addition of any additive containing sodium hydroxide, and not less than once per week

The concentration of ammonium hydroxide present in tanks containing ammonium hydroxide shall be measured and recorded immediately after each addition of any additive containing ammonium hydroxide, and not less than once per week

The operator shall maintain records to demonstrate compliance with this condition

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D212, D213, D214, D215, D216, D217, D218, D219, D220, D221]

A433.8 The operator shall maintain the solutions in each indicated tank at temperatures not to exceed the following temperatures:

TANK NO.	TEMPERATURE (DEGREES FAHRENHEIT)
A8, A11, B27	160
B11	150
B31, B32, B33, B34, B35, B36	195



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

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

[Devices subject to this condition : D79, D80, D87, D88, D89]

A433.9 The operator shall maintain the solutions in each indicated tank at temperatures not to exceed the following temperatures:

TANK NO.	TEMPERATURE (DEGREES FAHRENHEIT)
N-1, N-2	110
N-5, N-6	195

[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 : D218, D219, D220, D221]

A433.10 The operator shall maintain the solutions in each indicated tank at temperatures not to exceed the following temperatures:

TANK NO.	TEMPERATURE (DEGREES FAHRENHEIT)
PT-1	160
PT-3	160

[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 : D222, D223]

A433.11 The operator shall maintain the solutions in each indicated tank at temperatures not to exceed the following temperatures:



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

TANK NO.	TEMPERATURE (DEGREES FAHRENHEIT)
ST3, ST6	160
ST13, ST14, ST15, ST22, ST23, ST24, ST25	140
ST35, ST36, ST37, ST38, ST39, ST40	115

[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 : D117, D118, D122, D123, D124, D126, D127, D128, D129, D132, D133, D134, D135, D136, D137]

A433.12 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table 1 with a date of listing of May 2, 2003 or earlier, except as identified below up to the following maximum content limits:

TAC	TANK NO.	MAXIMUM CONTENT (WEIGHT %)
Nitric Acid	M-7	25.2
Hydrochloric Acid	M-9	16.1
Hydrochloric Acid	M-11	34.5
Nitric Acid	M-13, M-14	14.1
Nitric Acid	M-19	0.6
Nitric Acid	C-1	0.3
Nitric Acid	C-9	0.4

Application in progress: A/N 498157, 0.5% Hydrochloric acid.



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

The concentration of nitric acid present in tanks containing nitric acid shall be measured and recorded immediately after each addition of any additive containing nitric acid, and not less than once per week.

The concentration of hydrochloric acid present in tanks containing sodium hydroxide shall be measured and recorded immediately after each addition of any additive containing sodium hydroxide, and not less than once per week.

The operator shall maintain records to demonstrate compliance with this condition.

[RULE 1401, 8-18-2000]

[Devices subject to this condition : D102, D103, D104, D105, D106, D108, D110, D112]

A433.13 The operator shall maintain the solutions in each indicated tank at temperatures not to exceed the following temperatures:

TANK NO.	TEMPERATURE	UNIT
M-1, M-3, M-5, M-16	150	DEGREES FAHRENHEIT
M-11	100	DEGREES FAHRENHEIT
M-21	120	DEGREES FAHRENHEIT

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

The operator shall ensure that the scale on the temperature gauge does not exceed three times the temperature limit.

Other tanks in this line that are not listed in this condition shall not be heated.



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

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

[Devices subject to this condition : D99, D100, D101, D104, D107, D108, D109]

B. Material/Fuel Type Limits

B27.2 The operator shall not use coatings, adhesives, reducers, thinners, solvents or materials processed in this equipment containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 10-jul-1998.

[RULE 1401, 7-10-1998]

[Devices subject to this condition : D188, D189]

C. Throughput or Operating Parameter Limits

C1.5 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

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

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

[Devices subject to this condition : D159]

C1.6 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

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



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

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

[Devices subject to this condition : D159]

C1.7 The operator shall limit the throughput to no more than 5 gallon(s) per year.

For the purpose of this condition, throughput shall be defined as quantity of thinner used in this equipment.

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

[Devices subject to this condition : D156]

C1.8 The operator shall limit the throughput to no more than 5 gallon(s) per year.

For the purpose of this condition, throughput shall be defined as quantity of flux used in this equipment.

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

[Devices subject to this condition : D156]

C1.13 The operator shall limit the applied current to no more than 1800000 ampere-hours in any one year.

The operator shall keep a monthly record of the actual cumulative rectifier usage in each tank.

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



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

[Devices subject to this condition : D91, D92, D93, D94, D95, D96]

C1.15 The operator shall limit the material processed to no more than 19990 lb(s) in any 12-month period.

For the purpose of this condition, material processed shall be defined as amount of VOC used in spray booths 1 and 2 and vented to the air pollution control system consisting of condenser C191 and carbon adsorber C190.

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

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

(b) Within 14 calendar days after the end of each month, total and record VOC emissions for the month and for the previous 12-month period from spray booths 1 and 2. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.

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

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

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

[40CFR Part 64, 10-22-1997]



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

[Devices subject to this condition : D188, D189, C190, C191]

C6.19 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

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

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

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

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

[Devices subject to this condition : D187, D188, D189]

C6.20 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2.1 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 scrubber.

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

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

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

[Devices subject to this condition : C186]



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.21 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2.6 inches water column.

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

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

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

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

[Devices subject to this condition : C185]

- C8.2 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 13 of the pH scale.

This condition shall only apply to the vent fume sparge tank.

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 : D196]

- C8.8 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 9.5 of the pH scale.



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

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

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

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 : C182]

C8.9 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 210 gpm.

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

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

The operator shall for the purpose of this condition define flow rate as flow rate of the scrubber solution at the discharge of the pump.

The operator shall keep the specification of the pumps, showing the minimum pumping capacity, on file at all times and make them available to AQMD personnel upon request.

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



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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 : C182]

C8.10 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 450 gpm.

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

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

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

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

[Devices subject to this condition : C184]

C8.11 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 178 gpm.

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

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

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



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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 : C183]

C8.12 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 95 gpm.

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

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

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

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

[Devices subject to this condition : C186]

C8.13 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 135 gpm.

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

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

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



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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 : C185]

C10.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is maintained between 10 and 12 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 calibrate the pH meter at least once per month, and more often if necessary, to ensure the accuracy of the indicator readings.

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

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

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

[Devices subject to this condition : C183, C184]

C10.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 3 and 4.5 inches water column.



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

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

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

The operator shall locate the mechanical gauge(s) so that it can be easily viewed and is in clear sight of the operation or maintenance personnel.

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 : C184]

C10.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 1.5 and 3 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 scrubber.

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

The operator shall locate the mechanical gauge(s) so that it can be easily viewed and is in clear sight of the operation or maintenance personnel.

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]



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C183]

D. Monitoring/Testing Requirements

D12.4 The operator shall install and maintain a(n) non-resettable totalizing amp-hr meter to accurately indicate the amp-hrs applied to the tank. The meter shall be continuous recording and operate on the electrical power line connected to the tank. A separate meter shall be hard wired for each rectifier.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 6-15-2001]

[Devices subject to this condition : D91, D92, D93, D94, D95, D96, D122, D123, D124, D126, D127, D128, D129, D132, D133, D134, D135, D136, D137, D138, D139, D140]

D12.15 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the solution in the tank.

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

[Devices subject to this condition : D79, D80, D117, D118, D122, D123, D124, D126, D127, D128, D129, D132, D133, D134, D135, D136, D137, D218, D219, D220, D221, D222, D223]

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 : D187, D188, D189]



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E. Equipment Operation/Construction Requirements

E57.2 The operator shall vent this equipment to air pollution control equipment which is in full use and has been issued a permit by the AQMD whenever this equipment is in operation.

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

[Devices subject to this condition : D51, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D131, D132, D133, D134, D135, D136, D137, D138, D139, D140, D141, D214, D215, D216, D217, D218, D219, D220, D221, D222, D223, D224, D225, D226, D227]

E71.7 The operator shall only operate this equipment if it discharges in an upward direction through a stack with a height of no less than 42.5 feet above grade.

[RULE 1401, 5-2-2003]

[Devices subject to this condition : C183]

E71.13 The operator shall only operate this equipment if it discharges in an upward direction through a stack with a height of no less than 25 feet above grade.

[RULE 1401, 5-2-2003]

[Devices subject to this condition : C186]

E71.14 The operator shall only operate this equipment if it discharges in an upward direction through a stack with a height of no less than 58 feet above grade.



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

[RULE 1401, 5-2-2003]

[Devices subject to this condition : C184]

E162.1 The operator shall use this equipment only during utility failure periods, except for maintenance purposes.

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

~~[Devices subject to this condition : D159]~~

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

filter media at least two inches thick.

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

[Devices subject to this condition : D187, D188, D189]

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



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

Each tank shall be clearly identified and labeled with the appropriate tank number as designated in the Section D equipment description. The identification and/or labeling of each tank shall be directly affixed to each tank and be easily readable.

No chemicals and compounds shall be used in each tank other than those specifically identified for each process tank in the Section D equipment description

Air sparging, rectification, and/or heating shall not be conducted except in tanks where these operations are specifically identified in the Section D equipment description.

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

[Devices subject to this condition : D23, D24, D25, D51, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D131, D132, D133, D134, D135, D136, D137, D138, D139, D140, D141, D206, D207, D212, D213, D214, D215, D216, D217, D218, D219, D220, D221, D222, D223, D224, D225, D226, D227]

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

An identification tag or label shall be affixed to each rectifier located in a permanent and conspicuous position. The identification marker shall be maintained in legible condition and contain the following information: rectifier identification number, maximum rectifier amperage, and identification number(s) of tank(s) served by the rectifier.

Only rectifiers with an amperage rating same as the amperage value specifically identified in the Section D equipment description for each process tank shall be installed and maintained at that particular tank.



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

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

[Devices subject to this condition : D23, D24, D25, D91, D92, D93, D94, D95, D96, D122, D123, D124, D126, D127, D128, D129, D132, D133, D134, D135, D136, D137, D138, D139, D140, D206, D207]

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

The carbon bed shall be regenerated or replaced at least once during each 24-hour period unless both spray booths (D188 & D189) are not in operation during that entire period.

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

[Devices subject to this condition : C190]

E193.4 The operator shall restrict the operation of this equipment as follows:

All the tanks in this line shall not be air sparged or rectified

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

[Devices subject to this condition : D99, D100, D101, D102, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D114, D115, D116]

E202.1 The operator shall clean and maintain this equipment according to the following specifications:



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

quarterly visual inspection of the scrubber to ensure there is proper drainage, no unusual buildup on the packed beds and no evidence of chemical attack that affects the structural integrity of the scrubber.

quarterly visual inspection of the back portion of the mist eliminator to ensure that it is dry and there is no breakthrough of mist.

repair any leaks detected and add fresh makeup water to the packed bed whenever makeup is needed.

quarterly visual inspection of the ductwork from the tank to the control device to ensure there are no leaks.

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

[Devices subject to this condition : C183, C184]

E336.1 The operator shall vent the vent gases from this equipment as follows:

This equipment shall not be operated unless it is vented to an air pollution control system that is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition : D188, D189]

H. Applicable Rules

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



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

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

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

[Devices subject to this condition : D187, D188, D189]

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]

[Devices subject to this condition : E194, E237]

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C182, C183, C184, C185, C186]

K. Record Keeping/Reporting



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

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

the date of the occurrence, duration, cause (if known) and the magnitude of any excess emissions.

excess emissions including but not limited to any exceedances of the emission limitation and/or parameter monitoring requirements contained in this permit.

the action taken on each breakdown

[Devices subject to this condition : C183, C184]

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

a log of the operation of this equipment, as required by the conditions, shall be maintained for a minimum of five years. The past two years records shall be kept on site and made available to AQMD personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 5-2-2003]

[Devices subject to this condition : C183, C184]

K67.18 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

dates of carbon inspection, cleaning, replacement and regeneration.

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

[Devices subject to this condition : C190]



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

K67.22 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

an engine operating log listing the date of operation, the elapsed operating time in hours and the reason for operation.

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

[Devices subject to this condition : D159]

K67.23 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

daily records to verify the daily usage, volatile organic compound (VOC) content and daily and monthly VOC emissions of each flux and thinner used in this equipment.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset,
12-6-2002]

[Devices subject to this condition : D156]

K67.25 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

the date, time and results of the inspection

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

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



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D187, D188, D189]

K67.26 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the device inspected, date and time of the inspection and the working condition of the device during the inspection.

any maintenance activities performed on the ampere-hour meter and any actions taken to correct deficiencies found during the inspection.

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

[Devices subject to this condition : D91, D92, D93, D94, D95, D96, D122, D123, D124, D126, D127, D128, D129, D132, D133, D134, D135, D136, D137, D138, D139, D140]

K67.27 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

At least once per month, the ampere-hour readings from each rectifier current meter, and the cumulative ampere-hours applied to each rectified tank in the present calendar year

At least once per month, the concentration, in percent by weight, of the compounds listed in condition A433

The quantity and composition of each material added to each tank during replenishment

Material Safety Data Sheets for all materials charged to each process tank

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



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

[Devices subject to this condition : D91, D92, D93, D94, D95, D96, D122, D123, D124, D126, D127, D128, D129, D132, D133, D134, D135, D137, D138, D139, D140]

K67.28 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

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

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

[Devices subject to this condition : E195]



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SECTION E: ADMINISTRATIVE CONDITIONS

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

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



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SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]



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SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
- a. Brief description of the equipment tested.



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



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SECTION E: ADMINISTRATIVE CONDITIONS

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]



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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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

I. NO_x Monitoring Conditions

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NO_x large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

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

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

II. NO_x Source Testing and Tune-up conditions

1. The operator shall conduct all required NO_x source testing in compliance with an AQMD-approved source test protocol. [2012]



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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

2. The operator shall, as applicable, conduct source tests for every large NO_x source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NO_x 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_x large sources and NO_x process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]



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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

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

I. Recordkeeping Requirements for all RECLAIM Sources

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

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO_x or SO_x 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_x Reporting Requirements

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable



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

B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall:

Not Applicable

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

1. Electronically report the calculated quarterly NO_x emissions for each NO_x process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]



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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE



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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

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.



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SECTION J: AIR TOXICS

NOT APPLICABLE



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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)]



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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)]



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SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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 ITT INDUSTRIES, CANNON

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ 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]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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 ITT INDUSTRIES, CANNON

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;



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- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1107	1-6-2006	Non federally enforceable
RULE 1107	11-9-2001	Federally enforceable
RULE 1110.2	2-1-2008	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1155	12-4-2009	Non federally enforceable
RULE 1168	1-7-2005	Non federally enforceable
RULE 1168	10-3-2003	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	3-4-2005	Non federally enforceable
RULE 1401	5-2-2003	Non federally enforceable
RULE 1401	7-10-1998	Non federally enforceable
RULE 1401	8-18-2000	Non federally enforceable



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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1426	5-2-2003	Non federally enforceable
RULE 2001	5-6-2005	Federally enforceable
RULE 2002	1-7-2005	Federally enforceable
RULE 2004	4-6-2007	Non federally enforceable
RULE 2004	5-11-2001	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 2202	2-6-2004	Non federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	6-5-2009	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 408	5-7-1976	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 442	12-15-2000	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable



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

NONE



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

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

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

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



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]**

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



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]**

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



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 11-09-2001]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackaging such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackaging, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

**Grams of VOC Per Liter of Coating,
Less Water And Less Exempt Compounds**

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250				100		
Graphic Arts (Sign) Coatings	500						50



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-08-1996]**

Industrial Maintenance						
Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420		250			
Pigmented Lacquer	680		550			275
Pre-Treatment Wash Primers	780					
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.



**FACILITY PERMIT TO OPERATE
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**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]
TABLE OF STANDARDS
VOC LIMITS**

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

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

*** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

**TABLE OF STANDARDS (cont.)
VOC LIMITS**

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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

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

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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

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

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

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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

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

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

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

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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

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

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

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

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



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	



FACILITY PERMIT TO OPERATE ITT INDUSTRIES, CANNON

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 ITT INDUSTRIES, CANNON

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

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



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

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

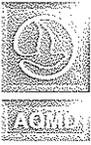
Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148



**FACILITY PERMIT TO OPERATE
ITT INDUSTRIES, CANNON**

**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



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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