South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

March 17, 2011

Mr. Gerardo Rios
Chief - Permits Office
U. S. EPA, Region IX
75 Hawthorne Street, Air 3
San Francisco, CA 94105

Reference: Transmittal of Proposed Title V Renewal Permit

Dear Mr. Rios:

Enclosed are the proposed Title V renewal permit, permit summary, statement of basis, public notice, permit evaluations, and CAM plan evaluation for TST Inc. located at 11601 Etiwanda Avenue, Fontana, CA 92337. Incorporated into this Title V renewal permit are the addition of the bag leak detection systems to baghouses C20, C22, C24, C39 and C79. With your receipt of the proposed Title V renewal permit today, we will note that the EPA 45-day review period will begin on March 17, 2011.

Questions on the proposed Title V renewal permit should be directed to Kien Huynh of my staff at (909) 396-2635.

Sincerely,

Brian L. Yeh
Senior Manager
Mechanical, Chemical, and Public Services

BLY:kh

Enclosures:
Proposed Title V Renewal Permit
Permit Summary
Statement of Basis
Public Notice
Permit Evaluations
CAM Plan Evaluation

Clearing the air so you can breathe

FACILITY PERMIT TO OPERATE

TST, INC.
11601 ETIWANDA AVE
FONTANA, CA 92337

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
TST, INC.

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FACILITY PERMIT TO OPERATE
TST, INC.

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	TST, INC.
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	11601 ETIWANDA AVE FONTANA, CA 92337-6929
MAILING ADDRESS:	11601 ETIWANDA AVE FONTANA, CA 92337-6988
RESPONSIBLE OFFICIAL:	ANDREW STEIN
TITLE:	CEO
TELEPHONE NUMBER:	(951) 685-2155
CONTACT PERSON:	ANDREW STEIN
TITLE:	CEO
TELEPHONE NUMBER:	(951) 685-2155
TITLE V PERMIT ISSUED:	March 15, 2005
TITLE V PERMIT EXPIRATION DATE:	March 14, 2010

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 01/01/2011 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2008	6/2009	Coastal	0	0	0
7/2008	6/2009	Inland	0	0	0
1/2009	12/2009	Inland	38630	13732	2086
7/2009	6/2010	Inland	0	8373	0
1/2010	12/2010	Inland	38630	30981	3129
7/2010	6/2011	Inland	0	8100	0
1/2011	12/2011	Inland	38630	29938	4172
7/2011	6/2012	Inland	0	7828	0
1/2012	12/2012	Inland	38630	29938	4172
7/2012	6/2013	Inland	0	7828	0
1/2013	12/2013	Inland	38630	29938	4172
7/2013	6/2014	Inland	0	7828	0
1/2014	12/2014	Inland	38630	29938	4172
7/2014	6/2015	Inland	0	7828	0
1/2015	12/2015	Inland	38630	29938	4172
7/2015	6/2016	Inland	0	7828	0
1/2016	12/2016	Inland	38630	29938	4172

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
TST, INC.

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 01/01/2011 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2016	6/2017	Inland	0	7828	0
1/2017	12/2017	Inland	38630	29938	4172
7/2017	6/2018	Inland	0	7828	0
1/2018	12/2018	Inland	38630	29938	4172
7/2018	6/2019	Inland	0	7828	0
1/2019	12/2019	Inland	38630	29938	4172
7/2019	6/2020	Inland	0	7828	0
1/2020	12/2020	Inland	38630	29938	4172
7/2020	6/2021	Inland	0	7828	0
1/2021	12/2021	Inland	38630	29938	4172
7/2021	6/2022	Inland	0	7828	0
1/2022	12/2022	Inland	38630	29938	4172
7/2022	6/2023	Inland	0	7828	0
1/2023	12/2023	Inland	38630	29938	4172
7/2023	6/2024	Inland	0	7828	0
1/2024	12/2024	Inland	38630	29938	4172
7/2024	6/2025	Inland	0	7828	0

Footnotes:

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin (month/year)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 01/01/2011 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
1/2025	12/2025	Inland	38630	29938	4172
7/2025	6/2026	Inland	0	7828	0
1/2026	12/2026	Inland	38630	29938	4172

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
TST, INC.

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

Year		Zone	NOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
Begin (month/year)	End			
1/1994	12/1994	Inland	102808	6221

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)					
System 1: BORINGS DRYING SYSTEM					
CRUSHER A/N: 120609	D2			**PM: (9) [RULE 405, 2-7-1986]**	C1.4, D323.2
CONVEYOR, BELT A/N: 120609	D3			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE A/N: 120609	D4			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
System 2: ALUMINUM MELTING					
FURNACE, REVERBATORY, M1, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 20 MMBTU/HR WITH A/N: 374144 INJECTOR, CHLORINE BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4821-12-R, WITH LOW NOX BURNER, 2 TOTAL; 10 MMBTU/HR	D10	D40	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **HAP**: (10) **[40CFR 63 Subpart RRR, 4-20-2006]**; **NOX**: 45 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.4, D323.1

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

** Refer to Section H and J of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)					
FURNACE, REVERBATORY, M2, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 20 MMBTU/HR WITH A/N: 374146 INJECTOR, CHLORINE BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4821-12-R, WITH LOW NOX BURNER, 2 TOTAL; 10 MMBTU/HR	D12	D40	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **HAP**: (10) **[40CFR 63 Subpart RRR, 4-20-2006]**; **NOX**: 45 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.4, D323.1
FURNACE, REVERBATORY, M3, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 20 MMBTU/HR WITH A/N: 374147 INJECTOR, CHLORINE BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4821-12-R, WITH LOW NOX BURNER, 2 TOTAL; 10 MMBTU/HR	D14	D40	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **HAP**: (10) **[40CFR 63 Subpart RRR, 4-20-2006]**; **NOX**: 45 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.5, C1.6, D323.1

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

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 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)					
FURNACE, ROTARY, D1, NATURAL GAS, DROSS, 6 MMBTU/HR A/N: 435896	D16	C26	NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **HAP**: (10) **[40CFR 63 Subpart RRR, 4-20-2006]**; **NOX**: 0.7 LBS/TON PROCESSED NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	B59.1, B59.6, C1.2, D323.1
FURNACE, ROTARY, D2, NATURAL GAS, DROSS, 6 MMBTU/HR A/N: 435898	D17	C26	NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **HAP**: (10) **[40CFR 63 Subpart RRR, 4-20-2006]**; **NOX**: 0.7 LBS/TON PROCESSED NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	B59.1, B59.6, C1.2, D323.1
FURNACE, HOLDING, H1, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 374143 BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4575-9, WITH LOW NOX BURNER, 6 MMBTU/HR	D18		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 45 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 404, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	B59.2, C1.1, D28.1, E147.1

* (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
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)					
STORAGE BUILDING, DROSS, WITH AN INSIDE TRUCK LOADING DOCK, WIDTH: 105 FT ; HEIGHT: 20 FT ; LENGTH: 133 FT A/N: 436020	D90	C91		**PM: (9) [RULE 405, 2-7-1986]**	A101.1, D323.2, E57.1, E440.1
System 3: AIR POLLUTION CONTROL					
SETTLING TANK A/N: 438492	D40	D10 D12 D14 C20 C22 D41			
HEATER, NATURAL GAS, BAGHOUSE NO. 1 AND 2 PREHEAT, 4 MMBTU/HR A/N: 438492	D41	D40	NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 404, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	
BAGHOUSE, NO.1, WHEELABRATOR, MODEL 42RW-46, 36365 SQ. FT., WITH AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM (COMMON TO C22) WITH A/N: INJECTOR, PRECOAT	C20 D21	D40		**PM: (9) [RULE 404, 2-7-1986]**	A72.1, D12.1, D322.1, D381.1, E102.1, H23.4, K67.2
BAGHOUSE, NO.2, PANGBORNE, MODEL 456 CT, 43628 SQ. FT., WITH AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM (COMMON TO C20) WITH A/N: INJECTOR, PRECOAT	C22 D23	D40		**PM: (9) [RULE 404, 2-7-1986]**	A72.1, D12.1, D322.1, D381.1, E102.1, H23.4, K67.2

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)					
BAGHOUSE, ICA, WITH AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM, 10000 SQ.FT. WITH A/N: INJECTOR, PRECOAT	C24 D43	C25		**PM: (9) [RULE 404, 2-7-1986]**	A72.1, D12.1, D322.1, D381.1, E102.1, H23.4, K67.2
COOLER A/N: 124339	C25	C24 C26			
SETTLING TANK, WIDTH: 5 FT ; HEIGHT: 8 FT 8 IN; LENGTH: 5 FT A/N: 124339	C26	D16 D17 C25			
BAGHOUSE, VENTS ONE ALUMINUM DROSS BUILDING, 812 SQ.FT.; 232 BAGS A/N: 436021	C91	D90		**PM: (9) [RULE 404, 2-7-1986]**	C6.1, C409.1, D322.1, D381.2, E102.1, K67.2
System 4: CHIP DRYING SYSTEM					
CRUSHER A/N: 237753	D30			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
CONVEYOR A/N: 237753	D31			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
HOPPER A/N: 237753	D32			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
CONVEYOR A/N: 237753	D33			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
DRYER, NATURAL GAS, 7 MMBTU/HR A/N: 237753	D34	C37	NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **HAP**: (10) **[40CFR 63 Subpart RRR, 4-20-2006]**; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM: (9) [RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	D323.1

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

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)					
BUCKET ELEVATOR A/N: 237753	D35			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
SCREEN, CLASSIFYING, CLASSIFYING A/N: 237753	D58			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D36			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
CYCLONE, DIAMETER: 2 FT 2.5 IN A/N: 237754	C37	D34 C38		**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D44			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D45			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D46			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BAGHOUSE, 900 SQ. FT., WITH AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM A/N:	C39	C38		**PM: (9) [RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E102.1, E193.1, H23.4, K67.2
BIN, SURGE, FINES A/N: 237753	D47			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D48			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D49			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D50			**PM: (9) [RULE 405, 2-7-1986]**	D323.2
BIN, SURGE, FINES A/N: 237753	D51			**PM: (9) [RULE 405, 2-7-1986]**	D323.2

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

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)					
AFTERBURNER, NATURAL GAS, 14 MMBTU/HR A/N:	C38	C37 C39	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 101.4 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 404, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C8.1, D12.2, D323.1
Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)					
FURNACE, REVERBATORY, NO. 1, FUEL OIL NO. 2, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 34 MMBTU/HR WITH A/N: 327689	D66	C79	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 35.055 PPMV FUEL OIL 2 (3) **[RULE 2012, 5-6-2005]**; **NOX**: 65 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	A63.1, B59.3, C1.7, D323.3, E51.1
BURNER, REGENERATIVE, FUEL OIL NO. 2, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6316Q-10, 17 MMBTU/HR					
BURNER, REGENERATIVE, FUEL OIL NO. 2, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6316Q-10, 17 MMBTU/HR					

* (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
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)					
FURNACE, REVERBATORY, NO. 2, FUEL OIL NO. 2, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 34 MMBTU/HR WITH A/N: 327690 BURNER, REGENERATIVE, FUEL OIL NO. 2, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6316Q-10, 17 MMBTU/HR BURNER, REGENERATIVE, FUEL OIL NO. 2, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6316Q-10, 17 MMBTU/HR	D68	C79	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 35.055 PPMV FUEL OIL 2 (3) **[RULE 2012, 5-6-2005]**; **NOX**: 65 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) ; **PM**: 0.1 GRAINS/SCF (5)	A63.1, B59.3, C1.7, D323.3

* (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
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)					
FURNACE, REVERBATORY, NO. 3, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 14 MMBTU/HR WITH A/N: 327691 BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4575-12, 7 MMBTU/HR BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4575-12, 7 MMBTU/HR	D70	C79	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 45 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	B59.4, C1.8, D323.1
FURNACE, HEAT TREATING, NO. 1, NATURAL GAS, ALUMINUM, 14 MMBTU/HR WITH A/N: 318719 BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6514-8B, 7 MMBTU/HR BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6514-8B, 7 MMBTU/HR	D72		NOX: PROCESS** UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.9, D323.1

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

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)					
FURNACE, HEAT TREATING, NO. 2, NATURAL GAS, ALUMINUM, 14 MMBTU/HR WITH A/N: 318720 BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4575-8B, 7 MMBTU/HR BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4575-8B, 7 MMBTU/HR	D74		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.9, D323.1
FURNACE, HEAT TREATING, NO. 3, NATURAL GAS, ALUMINUM, 12 MMBTU/HR WITH A/N: 318721 BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6514-8B, 6 MMBTU/HR BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6514-8B, 6 MMBTU/HR	D76		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.9, C1.10, D323.1

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

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)					
FURNACE, HEAT TREATING, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 14 MMBTU/HR WITH A/N: 492469	D78		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 45 PPMV NATURAL GAS (4) **[RULE 2005, 5-6-2005]**; **NOX**: 45 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	B59.5, C1.9, D28.1, D323.1, E147.2, E147.3
BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4575-8B, WITH LOW NOX BURNER, 2 TOTAL; 7 MMBTU/HR					
BAGHOUSE, ICA, MODEL 14-800, 11200 SQ. FT., WITH AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM WITH A/N:	C79	D66 D68 D70		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.2, D381.1, E102.1, H23.4, K67.2
BIN, SURGE, 600 LBS	D80				
CONVEYOR, PNEUMATIC	D81				
Process 3: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E59			**ROG**: (9) **[RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	H23.1
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E60			**VOC**: (9) **[RULE 1113, 11-8-1996;** *RULE 1113, 7-13-2007;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	K67.1

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

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, OIL WATER SEPARATOR, GRAVITY TYPE, < 45 FT2 AIR/LIQUID INTERFACIAL AREA	E82				H23.2, H23.3

* (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
TST, INC.

SECTION D: DEVICE ID INDEX

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D3	1	1	1
D4	1	1	1
D10	1	1	2
D12	2	1	2
D14	2	1	2
D16	3	1	2
D17	3	1	2
D18	3	1	2
C20	4	1	3
D21	4	1	3
C22	4	1	3
D23	4	1	3
C24	5	1	3
C25	5	1	3
C26	5	1	3
D30	5	1	4
D31	5	1	4
D32	5	1	4
D33	5	1	4
D34	5	1	4
D35	6	1	4
D36	6	1	4
C37	6	1	4
C38	7	1	4
C39	6	1	4
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D41	4	1	3
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D44	6	1	4
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D46	6	1	4
D47	6	1	4
D48	6	1	4
D49	6	1	4

FACILITY PERMIT TO OPERATE
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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
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D58	6	1	4
E59	11	3	0
E60	11	3	0
D66	7	2	0
D68	8	2	0
D70	9	2	0
D72	9	2	0
D74	10	2	0
D76	10	2	0
D78	11	2	0
C79	11	2	0
D80	11	2	0
D81	11	2	0
E82	12	3	0
D90	4	1	2
C91	5	1	3

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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.

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

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 0.47 LBS IN ANY ONE DAY
SOX	Less than or equal to 16.78 LBS IN ANY ONE DAY
CO	Less than or equal to 11.82 LBS IN ANY ONE DAY

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D66, D68]

A72.1 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 99 percent for PM during the normal operation of the equipment it vents.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C20, C22, C24]

A101.1 The operator shall take all reasonable control measures to minimize fugitive emissions from this equipment.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

[Devices subject to this condition : D90]

B. Material/Fuel Type Limits

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

fluorides, chlorine, or aluminum chloride

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

[Devices subject to this condition : D16, D17]

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Metal contaminated with rubber, plastic, paper, rags, oil, grease

Smoke producing material

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

[Devices subject to this condition : D18]

B59.3 The operator shall only use the following material(s) in this device :

natural gas

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

[Devices subject to this condition : D66, D68]

B59.4 The operator shall only use the following material(s) in this device :

clean aluminum

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 401, 3-2-1984;** RULE 401, 9-11-1998]

[Devices subject to this condition : D70]

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

Metal contaminated with rubber, plastic, paper, rags, oil, grease

Fluorides, Chlorine, or Aluminum Chloride

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D78]

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

aluminum dross

salt flux

[40CFR 63 Subpart RRR, 4-20-2006]

[Devices subject to this condition : D16, D17]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 4500 ton(s) in any one calendar month.

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

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

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

[Devices subject to this condition : D18]

C1.2 The operator shall limit the material processed to no more than 60000 lbs in any one day.

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TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

[Devices subject to this condition : D16, D17]

C1.4 The operator shall limit the material processed to no more than 3000 ton(s) in any one month.

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

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

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

[Devices subject to this condition : D2, D10, D12]

C1.5 The operator shall limit the fuel usage to no more than 8.22857e+06 cubic feet per month.

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

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

[Devices subject to this condition : D14]

C1.6 The operator shall limit the material processed to no more than 2500 ton(s) in any one month.

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TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[Devices subject to this condition : D14]

C1.7 The operator shall limit the material processed to no more than 90 tons in any one day.

For the purpose of this condition, material processed shall be defined as pull rate.

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

[Devices subject to this condition : D66, D68]

C1.8 The operator shall limit the material processed to no more than 75 tons in any one day.

For the purpose of this condition, material processed shall be defined as pull rate.

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

[Devices subject to this condition : D70]

C1.9 The operator shall limit the natural gas fuel usage to no more than 2.3e+10 Btu in any one year.

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D72, D74, D76, D78]

C1.10 The operator shall limit the material processed to no more than 160000 lbs in any one day.

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

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

[Devices subject to this condition : D76]

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

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

The operator shall record the differential pressure across the filter bags once every operating day.

The operator shall maintain records of the differential pressure across the filter bags in a manner approved by the District to demonstrate compliance with this condition.

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C91]

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

The operator shall monitor the temperature the temperature as specified in condition number D12.2.

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

[Devices subject to this condition : C38]

C409.1 The operator shall ensure that the damper to the dross building used in this equipment shall meet the following specified requirements:

The damper is to remain in the locked open position at all times to prevent the escape of fugitive emissions from the dross building, except during breakdowns or routine maintenance.

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

[Devices subject to this condition : C91]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

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

[Devices subject to this condition : C20, C22, C24, C39, C79]

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.2 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the afterburner secondary combustion chamber.

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

[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 : C38]

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

The test shall be conducted to determine the NOX emissions at the outlet.

The test shall be conducted every five-year period, with the first five-year period ending December 31, 2004.

The test shall be conducted within 12 months of the approval of the concentration limit.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D18, D78]

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

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

[Devices subject to this condition : C20, C22, C24, C39, C91]

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

[Devices subject to this condition : C79]

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

1). Stack or emission point identification;

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

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

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D10, D12, D14, D16, D17, D34, C38, D70, D72, D74, D76, D78]

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

1). Stack or emission point identification;

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

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

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

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D2, D3, D4, D30, D31, D32, D33, D35, D36, C37, D44, D45, D46, D47, D48, D49, D50, D51, D58, D90]

FACILITY PERMIT TO OPERATE
TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

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

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

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.
In addition, the operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within 72 hours of conversion to fuel oil firing and on a weekly basis thereafter, until the equipment stops firing fuel oil.

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

1). Stack or emission point identification;

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

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

FACILITY PERMIT TO OPERATE
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The operator shall comply with the terms and conditions set forth below:

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

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

[Devices subject to this condition : D66, D68]

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

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

1). Stack or emission point identification;

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

3). Date and time visible emission was abated.

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

[Devices subject to this condition : C20, C22, C24, C39, C79]

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TST, INC.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

1). Stack or emission point identification;

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

3). Date and time visible emission was abated.

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

[Devices subject to this condition : C91]

E. Equipment Operation/Construction Requirements

E51.1 The following condition number(s) shall not apply if all of the requirements stated below are met:

Condition Number B 59- 3

Requirement number 1: When Melting Furnace No. 2 (D68) is not in operation.

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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 : D66]

E57.1 The operator shall vent this equipment to the air pollution control equipment which is in full use whenever dross loading or unloading occurs.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 9-11-1998; RULE 401, 11-9-2001]

[Devices subject to this condition : D90]

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

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

[Devices subject to this condition : C20, C22, C24, C39, C79, C91]

E147.1 The operator shall not conduct inoculation of metal in this equipment.

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

[Devices subject to this condition : D18]

E147.2 The operator shall not conduct fluxing or refining in this equipment.

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

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

[Devices subject to this condition : D78]

E147.3 The operator shall not conduct metal melting operations in this equipment.

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

[Devices subject to this condition : D78]

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:

The baghouse pressure differential across the filter bags shall be maintained between 1" and 6" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the baghouse filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filters shall be recorded at least once a day.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 1" of water column or more than 6" of water column occurs during the normal operation of the equipment it serves.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 1" and 6" of water column, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

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

The operator shall keep adequate records in a format that is acceptable to the AQMD

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

to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C39]

E440.1 The operator shall operate and maintain this equipment according to the following specifications:

Install and maintain solid, tight-fitting sliding doors for the entry and exit openings of the dross building.
Doors are to remain completely closed except during the ingress and egress of dross transport equipment.
Inspect the structural integrity of the dross building monthly and make necessary repairs to prevent uncontrolled emissions from going to the atmosphere.

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

[Devices subject to this condition : D90]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

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

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

[Devices subject to this condition : E59]

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

Contaminant	Rule	Rule/Subpart
ROG	District Rule	464

[RULE 464, 12-7-1990]

[Devices subject to this condition : E82]

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

Contaminant	Rule	Rule/Subpart
ROG	District Rule	1176

[RULE 1176, 9-13-1996]

[Devices subject to this condition : E82]

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

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

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C20, C22, C24, C39, C79]

K. Record Keeping/Reporting

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

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 : E60]

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

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

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

the date, time and results of the inspection

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

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

[Devices subject to this condition : C20, C22, C24, C39, C79, C91]

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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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5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]

6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]

   a. Three years for a facility not subject to Title V; or

   b. Five years for a facility subject to Title V.

7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]

   a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]

   b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]

   c. For a large NOx source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]

   d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]

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e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur 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 NOx RECLAIM sources and Table 2 of Rule 2001 for SOx RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NOx or SOx emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NOx or SOx source, respectively. [2001]

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]

a. Brief description of the equipment tested.

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b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.

c. Operating conditions under which the test will be performed.

d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e,g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).

e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.

f. Description of calibration and quality assurance procedures.

g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).

10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]

a. The results of the source test.

b. Brief description of the equipment tested.

c. Operating conditions under which test will be performed.

d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).

e. Field and laboratory data forms, strip charts and analyses.

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f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.

11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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

I. NOx Monitoring Conditions

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

Not Applicable

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

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]

2. Comply at all times with the specified NOx concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

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

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

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

II. NOx Source Testing and Tune-up conditions

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

2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]

3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

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

I. Recordkeeping Requirements for all RECLAIM Sources

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

NOx Reporting Requirements

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

Not Applicable

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

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NOx mass emissions from each large NOx source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

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

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

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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
[40CFR 63 Subpart RRR 04-20-2006]

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS – SECONDARY ALUMINUM PRODUCTION

(1) The owner/operator shall comply with all general requirements of 40 CFR 63, Subpart RRR and of 40 CFR 63, Subpart A.

(2) The owner/operator of a new or existing affected source shall comply with all applicable requirements of 40 CFR 63, Subpart RRR by the compliance date(s) specified in this subpart.

(3) The owner/operator of a new or existing affected source shall comply with each applicable emission standard/limit as summarized in Section 63.1505 and Table 1 of this subpart.

(4) On and after the date on which the initial performance test is conducted or required to be conducted, whichever date is earlier, the owner/operator shall operate all new and existing affected sources and control equipment according to the requirements in Section 63.1506. Operating requirements for all affected sources are summarized in Table 2 to this subpart.

(5) The owner/operator of each affected source shall provide and maintain easily visible labels posted at each affected source that identifies the applicable emission limit and means of compliance according to the requirements of Section 63.1506(b).

(6) On and after the date of the initial performance test is completed or required to be completed, the owner/operator of a new or existing affected source or emission unit shall monitor all control equipment and processes according to the requirements in Section 63.1510. Monitoring requirements for each type of affected source and emission unit are summarized in Table 3 to this subpart.

(7) The owner/operator shall prepare and implement for each new or existing affected source and emission unit, a written operation, maintenance, and monitoring (OM&M) plan. The OM&M plan shall be submitted to the AQMD for review and approval by the compliance date in Section 63.1501. The OM&M plan shall contain all information as summarized in Section 63.1510(b).

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(8) The owner/operator shall prepare and submit a site-specific test plan meeting the requirements of Section 63.7(c) prior to conducting a performance test as required in Section 63.1511(a).

(9) Following approval of the site-specific plan, the owner/operator shall demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected source and emission unit, and report the results in the notification of compliance status report as described in Section 63.1515(b).

(10) The owner/operator of a new or existing affected source shall conduct any necessary performance test(s):

(a) According to the requirements of the general provisions in Subpart A of this part and Sections 63.1511(b) through 63.1511(i) and to demonstrate compliance with all emission requirements and procedures per Section 63.1512;

(c) Every 5 years following the initial performance test per Section 63.1511(e).

(11) The owner/operator of a new or existing affected source shall use the applicable equations of Section 63.1513 to determine compliance with any emission limits or percent reduction standards.

(12) The owner/operator of a new or existing affected source shall comply with the notification requirements in Section 63.1515.

(13) The owner/operator shall comply with the applicable reporting requirements in section 63.1516 which includes the development and implementation of a written plan as described in Sections 63.6(e)(3) and 63.1516 that contains specific procedures to be followed for operating and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the standard.

(14) The owner/operator shall maintain files of all information (including all reports and notifications) as required by the general provisions of Sections 63.10(b) and 63.1517. All records, including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.

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GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]

2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

   (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]

4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

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Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

   (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

   (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

   (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:

   (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or

   (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

   Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

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9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:

   (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;

   (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

   (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

   (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

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

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

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

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

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14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]

15. Nothing in this permit or in any permit shield can alter or affect:

    (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;

    (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;

    (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;

    (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;

    (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and

    (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]

16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

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EMERGENCY PROVISIONS

17. An emergency[1] constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:

    (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

        (1) An emergency occurred and the operator can identify the cause(s) of the emergency;

        (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

        (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

        (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

    (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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

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RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:

    (A) The date, place as defined in the Title V permit, and time of sampling or measurements;

    (B) The date(s) analyses were performed;

    (C) The company or entity that performed the analyses;

    (D) The analytical techniques or methods used;

    (E) The results of such analyses; and

    (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]

20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]

21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:

    (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

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(B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

(C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.

(D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]

23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]

24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:

(A) Identification of each permit term or condition that is the basis of the certification;

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(B) The compliance status during the reporting period;

(C) Whether compliance was continuous or intermittent;

(D) The method(s) used to determine compliance over the reporting period and currently, and

(E) Any other facts specifically required by the Executive Officer to determine compliance.

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

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

PERIODIC MONITORING

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

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FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1155	12-4-2009	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1176	9-13-1996	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 1420	9-11-1992	Non federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 218	5-14-1999	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
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	5-7-2010	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 403	4-2-2004	Federally enforceable
RULE 403	6-3-2005	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 63 Subpart RRR	4-20-2006	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

1. INTERNAL COMBUSTION ENGINE, GASOLINE
2. INTERNAL COMBUSTION ENGINES, PORTABLE, DIESEL FIRED
3. TORCHES, GAS FIRED
4. TORCHES, WELDING
5. SPACE HEATERS, GAS FIRED
6. WATER HEATERS, GAS FIRED
7. LAB FURNACES, GAS FIRED

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

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

(2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

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

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

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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

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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.

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

COATING CATEGORY	Ceiling Limit*	Ceiling 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 Roof Coatings, Aluminum	300 500		250		50 100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac Clear Pigmented	 730 550							
Specialty Primers	350					250	100	
Stains Stains, Interior	350 250		250				100	
Swimming Pool Coatings Repair Other	 650 340		340					
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives Below-Ground Other	 350 350							

* 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.

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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

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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
TST, INC.

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
TST. INC.

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
TST. INC.

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

(1) Solvent Requirements

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

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS* VOC g/l (lb/gal)	EFFECTIVE 1/1/2010 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
TST, INC.

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

FACILITY PERMIT TO OPERATE
TST, INC.

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(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
TST, INC.

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

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

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

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
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
TST. INC.

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
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
TST. INC.

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter" Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

FACILITY PERMIT TO OPERATE
TST. INC.

APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

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

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

FACILITY PERMIT TO OPERATE
TST, INC.

APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0

FACILITY PERMIT TO OPERATE
TST, INC.

APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

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200	441	0.703	1.55	12500	27560	5.732	12.6
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300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

FACILITY PERMIT TO OPERATE
TST. INC.

APPENDIX B: RULE EMISSION LIMITS
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4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Title V Permit Summary

AQMD Facility ID: 43436	Company Name: TST, INC.		
Equipment Location: 11601 Etiwanda Avenue, Fontana, Ca 92337		SIC Code: 3341	
Permit Revision #:	Revision Date:	Facility Permit Section(s) Affected:	
Application #(s): 517335	Application Submittal Date(s): 1/4/2011		
AQMD Contact Person: Kien Huynh	Phone #: (909) 396-2635	E-Mail Address: khuynh@aqmd.gov	

Project Description: This is an existing facility, applying for a Title V permit renewal, that manufactures secondary aluminum. This facility is operating operating a borings drying system, a chip drying system, a dross storage building, two rotary dross melting furnaces, several aluminum melting furnaces, a holding furnace, several heat treating furnaces, an afterburner, and several baghouses to control PM emissions

Permit Type: ☐ Initial Title V Permit ☐ Significant Revision
☒ Permit Renewal

Permit Features:
☐ Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements
☐ Permit Shield Applies
☒ Permit Contains Conditions Allowing Emission Trading
☐ Alternative Operating Scenario
☐ Permit Streamlines Overlapping or Outdated Requirements
☐ Other: _____
☐ 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
☐ No TACs Reported
☒ The Following TACs Were Reported: See Attached Table 1
Emissions (lbs/yr):

Health Risk From Toxic Air Contaminants:
☐ Health Risk Assessment Required for this Permit Action (AQMD Rule 1401)
☐ Health Risk Reduction Plan Approved (AQMD Rule 1402) (Year): _____
☒ Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588)
- ☐ Facility Determined to be Exempt from AB2588 Requirements
- ☐ AQMD is Tracking Status of Facility under AB2588
- ☐ Health Risk Assessment Submittal Pending
- ☐ Health Risk Assessment Submitted to AQMD and Is Being Reviewed
- ☒ Final Facility Health Risk Approved (date) 1997
  - Cancer Risk = 0.43 in one million
  - Acute Hazard Index = 0
  - Chronic Hazard Index = 0.43

Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2009				
☒ NOx	11.72	☒ PM	2.611	
☒ CO	5.099	☒ SOx	0.092	
☒ VOC	2.802	☐ Other:		

Compliance History:
☐ Citizen Complaints Filed in Last Two Calendar Years (# 0)
☐ Notices to Comply Issued in Last Two Calendar Years (# 0)
☐ Notices of Violation Issued in Last Two Calendar Years (# 0)

Comments: The facility has been operated in compliance. No Citizen Complaint, Notice to Comply, or Notice of Violation has been filed or issued in the last two calendar years.

March 15, 2011

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Title V Permit Summary
Table 1
TOXIC AIR CONTAMINANT EMISSIONS (TAC)
TST, Inc. ID 43436
2009 Reporting Year

TAC Names	Emissions, lbs/yr
1,3-Butadiene	0.413
Ammonia	916.218
Arsenic	1.282
Benzene	554.988
Beryllium	0.741
Cadmium	4.275
Chromium (VI)	< 0.001
Formaldehyde	811.144
Lead (inorganic)	5.091
Naphthalene	0.263
Nickel	10.082
PAHs, total, with components not reported	0.118
Perchloroethylene	72.54

South Coast Air Quality Management District

Statement of Basis

Proposed Renewal Title V Permit

Facility Name:	TST, Inc.
Facility ID:	43436
SIC Code:	3462
Equipment Location:	11601 Etiwanda Ave. Fontana, CA 92337
Application #(s):	517335
Application Submittal Date(s):	1/4/11
AQMD Contact Person:	Kien Huynh, Air Quality Engineer II
Phone Number:	(909) 396-2635
E-Mail Address:	khuynh@aqmd.gov

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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 request 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. NO_2, SO_2, and lead are in attainment with federal standards. The status of CO is currently serious nonattainment, but AQMD has petitioned to EPA for redesignation to

attainment status. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V permit is proposed to be issued to cover the operations of TST Inc. located at 11601 Etiwanda Avenue, Fontana. This facility is subject to Title V requirements because it is a major source.

2. Facility Description

This is an existing facility, applying for a Title V permit renewal, that manufactures secondary aluminum ingots and billets. The facility is operating a borings chip drying system, a dross storage building, two rotary dross melting furnaces, several aluminum melting furnaces, a holding furnace, several heat treating furnaces, an afterburner, and several baghouses to control PM emissions.

3. Construction and Permitting History

The company has been in constant operation since 1946. In 1976, it merged with Standard Metals Recycling and Tandem Industries to form the present corporation of TST, Inc. In 1984 TST, Inc. entered into a lease/purchase option for the Fontana property. Numerous permits to construct and permits to operate have been issued to the facility since 1984. An initial Title V permit was issued to the facility on 10/18/99. On 3/15/05, a renewal Title V permit was issued to the facility. Incorporated into the renewal Title V permit, were equipment from Tandem Industries ID 56427. Tandem Industries, for which an initial Title V permit was issued on 2/9/2003, was located at the same location as TST, Inc., and both companies were under the same ownership.

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, Sections 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).

Emissions from the dryer of the chip drying system are vented to a baghouse to control PM10 emissions. The uncontrolled PM10 emissions to the baghouse are greater than the major source threshold for PM10 of 70 tons per year. As a result, the baghouse is subject to the Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64. Permit conditions have been added to satisfy the CAM requirements. Such permit conditions were developed using the design criteria and other pertinent requirements identified in 40 CFR 64 - Compliance Assurance Monitoring and Technical Guidance Document and in the August 1998 Revised Draft CAM.

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

Pollutants	Emissions (tons/year)
CO	5.099
NOX	11.72
ROG	2.802
SOX	0.092
PM	2.611

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

The Following TACs Were Reported	Emissions, lbs/yr
1,3-Butadiene	0.413
Ammonia	916.218
Arsenic	1.282
Benzene	554.988
Beryllium	0.741
Cadmium	4.275
Chromium (VI)	< 0.001
Formaldehyde	811.144
Lead (inorganic)	5.091
Naphthalene	0.263
Nickel	10.082
PAHs, total, with components not reported	0.118
Perchloroethylene	72.54

Health Risk from Toxic Air Contaminants
The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). Final Facility Health Risk was approved in 2003 with the following risk factors:

Cancer Risk	0.43 in one million
Acute Hazard Index	0
Chronic Hazard Index	0.43

8. Compliance History

As noted, the facility has been in constant operation since 1981. The facility has been subject to both self-reporting requirements and AQMD inspections. No Citizen Complaint, Notice to Comply, or Notice of Violation has been filed or issued to the facility in the last two calendar years.

9. Compliance Certification

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

10. Comments

Incorporated into this proposed permit are the addition of the Bag Leak Detection Systems to baghouses C20, C22, C24, C39 and C79.

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

NOTICE OF PROPOSED
TITLE V RENEWAL PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit that was previously issued to the following facility:

TST, Inc.
11601 Etiwanda Avenue
Fontana, CA 92337
Facility ID# 43436
Contact Person:
Andrew Stein
CEO
11601 Etiwanda Avenue
Fontana, CA 92337

This is an existing facility, applying for a Title V permit renewal that is in the business of manufacture of secondary aluminum ingots and billets. This facility is operating a borings drying system, a chip drying system, a dross storage building, two rotary dross melting furnaces, several aluminum melting furnaces, a holding furnace, several heat treating furnaces, an afterburner, and several baghouses to control PM emissions.

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, the above facility has submitted 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 proposed permit is available for public review at AQMD, 21865 Copley Dr., Diamond Bar, CA 91765 and at the Kaiser Library, 11155 Almond Avenue, Fontana, CA 92335. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to:

South Coast Air Quality Management District
Mechanical, Chemical, and Public Services Team
21865 Copley Drive
Diamond Bar, CA 91765
Attention: Kien Huynh

Comments must be received by April 25, 2011. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Kien Huynh at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. A public hearing request form and the public hearing schedule may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at *http://www.aqmd.gov/titlev*. The request for a public hearing is due by April 11, 2011. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	Page	1 of 2
	A/Ns	510321-24
ENGINEERING & COMPLIANCE	Processed By	KH
	Checked By	
APPLICATION PROCESSING AND CALCULATIONS	Date	12/29/10

Applicant's Name: TST, Inc.
Mailing Address: 11601 Etwanda Ave.
Fontana, CA 92337

Equipment Location: Same

Equipment Description:

APPLICATION NO. 510321: C39 Previous permit: F5481 A/N 237754
ADMINISTRATION CHANGE TO AIR POLLUTION SYSTEM PERMIT TO OPERATE F5481 (A/N 237754), DEVICE C39, BY:
THE ADDITION OF:
- AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM

APPLICATION NO. 510322: C20 & C22 Previous permit: F86729 A/N 438492
ADMINISTRATION CHANGE TO AIR POLLUTION SYSTEM PERMIT TO OPERATE F86729 (A/N 438492), DEVICES C20 & C22, BY:
THE ADDITION OF:
- AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM

APPLICATION NO. 510323: C24 Previous permit: M54426 A/N 124339
ADMINISTRATION CHANGE TO AIR POLLUTION SYSTEM PERMIT TO OPERATE M54426 (A/N 124339), DEVICE C24, BY:
THE ADDITION OF:
- AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM

APPLICATION NO. 510324: C79 Previous permit: D58937 A/N 231472
ADMINISTRATION CHANGE TO AIR POLLUTION SYSTEM PERMIT TO OPERATE D58937 (A/N 231472), DEVICE C79, BY:
THE ADDITION OF:
- AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM

Application(s) received on: 4/29/10
Equipment modified: No
Violations recorded: 1 Notice to Comply was issued in the last 2 years. Notice to Comply (NC) C98949, issued on 9/11/08, required the company to use the correct emission factors for calculating emissions from large and process units, and use timer based equations for calculating emissions from Rule 219 internal combustion engines. The compliance for NC C98949 was achieved on 10/1/08.

Facility Type:

RECLAIM		Title V
NOx	SOx	
Yes	No	Yes

The applications were filed to add Bag Leak Detection Systems to five existing baghouses.

These are Tier 3 baghouses and the applicant proposes to install Bag Leak Detection Systems (BLDS) to the existing baghouses to comply with the Monitoring Requirements of Rule 1155.

Due to the unusual connections from the multiple outlets of each baghouse to the main exhaust, one Bag Leak Detection System (BLDS) will be installed on the main exhaust duct to serve both baghouses C20 and C22.

PROCESS DESCRIPTION:

The baghouses are used to control PM emissions from a dryer, a heater, and several furnaces. The BLDS is used to detect changes in particle loading in the exhaust to determine if a bag leak condition exists.

The proposed BLDS has the following specs:

- The BLDS sensor is capable of providing output of relative PM emissions; and
- The system has an alarm that will activate automatically when PM emissions exceed a preset level and the alarm will be clearly apparent to the operator.

CALCULATIONS:

No calculations are necessary.

RULES EVALUATION

The installation of the BLDS will not cause any change in the emissions. Therefore, except for Rule 1155, no other rule evaluation is necessary.

Rule 1155:
The proposed BLDS meets the requirements of Rule 1155. It is expected that the facility operator will comply with other provisions of the rule. Compliance is expected.

DISCUSSIONS

This permit action is for imposing requirements for more frequent monitoring of visible emissions from the baghouse by the permittee. Per Rule 3000 (b)(1)(C), this is an Administrative Permit Revision.

For Devices C20 and C22, due to the unusual connections from the multiple outlets of each baghouse to the main exhaust, one Bag Leak Detection System (BLDS) on the main exhaust duct to serve both baghouses C20 and C22 is acceptable for Rule 1155 compliance purpose.

Based on information submitted with the application(s) and the above evaluation, it is determined that the equipment will operate in compliance with all the applicable rules and regulations of the District.

RECOMMENDATIONS

Issue Permit to Operate subject to the permit conditions as stated in Section D.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	Page	1 of 2
	A/N	518038
ENGINEERING & COMPLIANCE	Processed By	KH
	Checked By	
APPLICATION PROCESSING AND CALCULATIONS	Date	2/8/11

CAM Plan

Applicant's Name: TST, Inc.

Mailing Address: 11601 Etwanda Ave.
Fontana, CA 92337

Equipment Location: Same

Equipment Description:

APPLICATION NO. 518038:
Compliance Assurance Monitoring (CAM) Plan.

BACKGROUND:

Application received on: 1/25/11

Violations recorded: No Notice of Violation or Notice to Comply has been issued in the last two years.

Associated equipment:

Basic:	D34	Dryer
Control:	C39	Baghouse

This is an existing facility, applying for a Title V permit renewal, that manufactures secondary aluminum ingots and billets. The facility is operating a borings drying system, a chip drying system, a dross storage building, two rotary dross melting furnaces, several aluminum melting furnaces, a holding furnace, several heat treating furnaces, an afterburner, and several baghouses to control PM emissions.
The current Title V permit for this facility expires on 3-14-10. The company has already submitted an application to renew their Title V permit (Title V Renewal Application No. 517335)

Since the pre-controlled PM10 potential to emit from the dryer D34 is more than the major source threshold, 70 tons/yr, CAM plan is required.

Pursuant to the requirements specified in 40 CFR Part 64 – Compliance Assurance Monitoring, a facility shall submit a compliance assurance monitoring (CAM) plan, if required, as a part of the Title V renewal application.

As a result, the company has submitted a CAM plan application (Application No. 518038) to comply with 40 CFR Part 64 requirements.

CAM Requirements:

The (subject to 40 CFR Part 64) baghouse pressure differential across the filter bags shall be maintained between 1" and 6" of water column whenever the dryer, the equipment it serves, is in operation. The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the baghouse filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filters shall be recorded at least once a day.

Pursuant to 40 CFR Part 64, a deviation has been defined as when the pressure differential across the filters is less than 1" of water column or more than 6" of water column occurs during the normal operation of the equipment it serves. Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 1" and 6" of water column, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

The operator is required to report all deviations to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

As a part of the CAM plan, the operator is required to inspect and maintain all components of the baghouse on an annual basis in accordance with the manufacturer's specifications. The operator is also required to keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable CAM requirements specified in 40 CFR Part 64.9 for a minimum of five years.

DISCUSSIONS

This facility is expected to comply with all requirements specified in 40 CFR Part 64. Condition E193.1 will be imposed in Section D of the Title V renewal permit for the baghouse to implement the above-described CAM requirements.

RECOMMENDATIONS

Approve the CAM plan.