

# South Coast Air Quality Management District

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

March 22, 2012

Mr. Andrew Stein  
CEO  
TST Incorporated  
11601 Etiwanda Avenue  
Fontana, CA 92337

Dear Mr. Stein:

**SUBJECT:** RECLAIM/Title V Facility Permit Revision (Facility ID: 43436)

Please find attached the revised Title Page, Table of Contents, Section D and Section H of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the permit revision requested in your Application No. 517574. The proposed permit revision was submitted to EPA for 45-day review on February 3, 2012. This permit revision includes the following equipment:

Equipment	Application Nos.	Device Nos.	Process	Permit Types
Furnace	517334	D92	2	PC
Furnace	526442	D78	2	PO
Furnace	526444	D74	2	PO

Please review the attached section carefully. Insert the enclosed sections into your RECLAIM/Title V Facility Permit and discard the earlier version. Questions concerning changes to your permit should be directed to Mr. Kien Huynh at (909) 396-2635 or Ms. Dixie Richards at (909) 396-2395.

Sincerely,

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

BLY:kh  
Enclosures  
cc: Gerardo Rios, EPA Region IX



## FACILITY PERMIT TO OPERATE

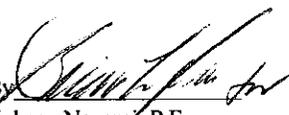
**TST, INC.  
11601 ETIWANDA AVE  
FONTANA, CA 92337**

### 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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)</b>					
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
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

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



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<b>Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)</b>					
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  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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The operator shall comply with the terms and conditions set forth below:

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<b>Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)</b>					
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
<b>System 3: AIR POLLUTION CONTROL</b>					
SETTLING TANK A/N: 510322	D40	D10 D12 D14 C20 C22 D41			
HEATER, NATURAL GAS, BAGHOUSE NO. 1 AND 2 PREHEAT, 4 MMBTU/HR A/N: 510322	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: 510322	C20	D40		PM: (9) [RULE 404, 2-7-1986]	A72.1, D12.1, D322.1, D381.1, E102.1, H23.4, K67.2
INJECTOR, PRECOAT	D21				
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: 510322	C22	D40		PM: (9) [RULE 404, 2-7-1986]	A72.1, D12.1, D322.1, D381.1, E102.1, H23.4, K67.2
INJECTOR, PRECOAT	D23				

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|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor<br/>(3) Denotes RECLAIM concentration limit<br/>(5) (5A) (5B) Denotes command and control emission limit<br/>(7) Denotes NSR applicability limit<br/>(9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate<br/>(4) Denotes BACT emission limit<br/>(6) Denotes air toxic control rule limit<br/>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br/>(10) See section J for NESHAP/MACT requirements</p> |
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<b>Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)</b>					
BAGHOUSE, ICA, WITH AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM, 10000 SQ.FT. WITH A/N: 510323	C24	C25		PM: (9) [RULE 404, 2-7-1986]	A72.1, D12.1, D322.1, D381.1, E102.1, H23.4, K67.2
INJECTOR, PRECOAT	D43				
COOLER A/N: 510323	C25	C24 C26			
SETTLING TANK, WIDTH: 5 FT ; HEIGHT: 8 FT 8 IN; LENGTH: 5 FT A/N: 510323	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
<b>System 4: CHIP DRYING SYSTEM</b>					
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

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<b>Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)</b>					
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: 510321	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: 510321	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

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|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor<br/>(3) Denotes RECLAIM concentration limit<br/>(5) (5A) (5B) Denotes command and control emission limit<br/>(7) Denotes NSR applicability limit<br/>(9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate<br/>(4) Denotes BACT emission limit<br/>(6) Denotes air toxic control rule limit<br/>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br/>(10) See section J for NESHAP/MACT requirements</p> |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: SECONDARY ALUMINUM PRODUCTION (TIMCO)</b>					
AFTERBURNER, NATURAL GAS, 14 MMBTU/HR A/N: 510321	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
<b>Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)</b>					
FURNACE, REVERBATORY, NO. 1, FUEL OIL NO. 2, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 34 MMBTU/HR WITH A/N: 327689  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	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

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- (9) See App B for Emission Limits
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<b>Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)</b>					
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

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<b>Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)</b>					
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, 2 TOTAL; 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

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<b>Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)</b>					
FURNACE, HEAT TREATING, NO. 2, NATURAL GAS, ALUMINUM, 14 MMBTU/HR WITH A/N: 526444  BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 6575-8-B, 2 TOTAL; 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, 2 TOTAL; 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

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(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

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



## FACILITY PERMIT TO OPERATE 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
<b>Process 2: SECONDARY ALUMINIUM PRODUCTION (TANDEM)</b>					
FURNACE, HEAT TREATING, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 14 MMBTU/HR WITH A/N: 526442  BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING COMPANY, MODEL 4575-8B, WITH LOW NOX BURNER, 2 TOTAL; 7 MMBTU/HR	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: 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]	B59.5, C1.9, D323.1, E147.2, E147.3
BAGHOUSE, ICA, MODEL 14-800, 11200 SQ. FT., WITH AUBURN TRIBO.GUARD I MODEL 4001 BAG LEAK DETECTION SYSTEM WITH A/N: 510324  BIN, SURGE, 600 LBS  CONVEYOR, PNEUMATIC	C79  D80  D81	D66 D68 D70		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.2, D381.1, E102.1, H23.4, K67.2
<b>Process 3: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
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
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

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



## FACILITY PERMIT TO OPERATE 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
<b>Process 3: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
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  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements

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



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**FACILITY PERMIT TO OPERATE  
TST, INC.**

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**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
D2	1	1	1
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
D40	4	1	3
D41	4	1	3
D43	5	1	3
D44	6	1	4
D45	6	1	4
D46	6	1	4
D47	6	1	4
D48	6	1	4
D49	6	1	4



**FACILITY PERMIT TO OPERATE  
TST, INC.**

**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D50	6	1	4
D51	6	1	4
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  
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**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.**



## 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:**

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.



## 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:**

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]

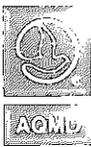
C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

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.

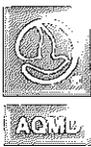
**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D18]

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]



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## FACILITY PERMIT TO OPERATE TST, INC.

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### 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.



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**FACILITY PERMIT TO OPERATE  
TST, INC.**

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

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

**[RULE 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.



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**FACILITY PERMIT TO OPERATE  
TST, INC.**

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

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

**[RULE 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 TST, INC.

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

**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]



## 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:**

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.



## 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(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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## FACILITY PERMIT TO OPERATE TST, INC.

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

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

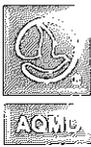
[Devices subject to this condition : D78]

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:



## 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 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



**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:**

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.

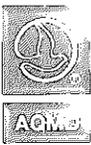
**[RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[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



**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 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



## 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 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):



## 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 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]



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
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AQM<sub>2</sub>

