

FACILITY PERMIT TO OPERATE

**TAMCO
12459-B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739**

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 _____
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Engineering & Compliance

FACILITY PERMIT TO OPERATE TAMCO

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: PRE-HEATING					
HEATER, LADLE, NATURAL GAS, 11.9 MMBTU/HR WITH A/N: 555559 Permit to Construct Issued: 12/03/13	D1		NOX: LARGE SOURCE**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.12, D28.3, D323.2
STACK, VENTED TO OUTSIDE ATMOSPHERE	S89				
HEATER, LADLE, NATURAL GAS, 16.4 MMBTU/HR WITH A/N: 555558 Permit to Construct Issued: 12/03/13	D2		NOX: LARGE SOURCE**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; NOX: 60 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]	C1.12, D28.3, D323.2
STACK, VENTED TO OUTSIDE ATMOSPHERE	S90				

* (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.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: PRE-HEATING					
HEATER, LADLE, NATURAL GAS, WITH LOW NOX BURNER, 16.4 MMBTU/HR WITH A/N: 555559 Permit to Construct Issued: 12/03/13	D3		NOX: LARGE SOURCE**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; NOX: 60 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]	C1.12, D28.3, D323.2
STACK, VENTED TO OUTSIDE ATMOSPHERE	S91				
Process 2: METAL MELTING					
FURNACE, ELECTRIC, ARC TYPE, SCRAP STEEL, 120 TON CAPACITY, 100000 KVA; 63 MMBTU/HR WITH A/N: 558459 Permit to Construct Issued: 01/21/15	D4	C5 C103	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV OXY-FUEL (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF OXY-FUEL (5) [RULE 409, 8-7-1981]; PM: 12 MG PER DSCM (8) [40CFR 60 Subpart AAa, 2-22-2005]; SOX: 0.2 LBS/TON PRODUCED (1) [RULE 2011, 5-6-2005]	A63.1, C1.2, C409.1, D12.3, D323.3, E71.4, E71.6, E71.10, E71.11, E448.3, K40.3
BURNER, OXY-FUEL, MORE, MODEL M-ONE, WITH LOW NOX BURNER, 4 TOTAL; 15.75 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
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL MELTING					
BAGHOUSE, WITH BAG LEAK DETECTION SYSTEM, 3 EXHAUST BLOWERS EACH 1,500-HP, TOTAL 1,200,000 ACFM, 319048 SQ.FT. WITH A/N: 558458 Permit to Construct Issued: 01/21/15 TOWER, SPRAY, WITH 8 WATER SPRAY NOZZLES KNOCKOUT BOX, SPARK ARRESTOR STACK, HEIGHT: 100 FT ; DIAMETER: 20 FT	C103	D4 E85		PM: (9) [RULE 404, 2-7-1986]	C6.1, D12.4, D28.5, D322.1, D381.2, E71.2, E71.3, E193.1, E448.2, H23.3, K40.1, K67.2
CONVEYOR, SCREW, 14 TOTAL A/N: 558457 Permit to Construct Issued: 01/21/15	D94			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, PNEUMATIC A/N: 558457 Permit to Construct Issued: 01/21/15	D95			PM: (9) [RULE 405, 2-7-1986]	D323.2
FILTER, RECEIVER A/N: 558457 Permit to Construct Issued: 01/21/15	D107				
STORAGE SILO, 10,000 CUBIC FEET, BAGHOUSE RECLAIM, WITH A FILTER VENT, 25 BAGS, 189 SQ.FT A/N: 558457 Permit to Construct Issued: 01/21/15	D96			PM: (9) [RULE 404, 2-7-1986; 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.

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: METAL MELTING					
BULK MATERIAL LOADING STATION, RAILCAR OR TRUCK, WITH ENCLOSED LOADOUT BUILDING, AND A DUSTLESS LOADING SPOUT A/N: 558457 Permit to Construct Issued: 01/21/15	D97			PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, WHEELABRATOR, MODEL 264, 9 COMPARTMENTS, EACH WITH 29,256 SQ. FT. FILTER AREA, WITH AUBURN BAG LEAK DETECTION SYSTEM WITH A/N: 552123 Permit to Construct Issued: 12/04/13	C5	D4		PM: (9) [RULE 404, 2-7-1986]	D12.4, D28.1, D322.1, D381.2, E71.2, E71.3, E193.1, E448.2, H23.3, K40.1, K67.2
CONVEYOR, SCREW, WITH DUSTLESS LOADING SPOUT	D6	C84		PM: (9) [RULE 405, 2-7-1986]	
TOWER, SPRAY, WITH 8 WATER SPRAY NOZZLES	D67				
BAGHOUSE, DCL, MODEL DC49-58, WITH FABRIC FILTER, 358 SQ.FT.; 49 BAGS A/N: 552124 Permit to Construct Issued: 12/04/13	C84	D6		PM: (9) [RULE 404, 2-7-1986]	D12.4, D322.1, D381.1, E448.2, H23.3, K67.2
Process 3: RE-HEATING					

* (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.

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: RE-HEATING					
FURNACE, BILLET HEATING, NATURAL GAS, WITH LOW NOX BURNER, 143.5 MMBTU/HR WITH A/N: 549173 Permit to Construct Issued: 12/04/13	D7		NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 213 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 7-12-1996]; PM: (9) [RULE 404, 10-5-1979; RULE 404, 2-7-1986; RULE 405, 5-7-1976; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, C1.13, D12.1 D232.1
STACK, COMBINED	S86				
STACK, MAIN, BURNER EXHAUST	S87				
STACK, FURNACE DAMPER	S88				
Process 8: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
MIXER, LADLE STIR STATION, WITH 100-HP EXHAUST BLOWER TO BAGHOUSE	E85	C103			
Process 9: COOLING TOWERS					
System 1:					
COOLING TOWER, NO. 3, 2400 GPM WITH A/N: 537040 Permit to Construct Issued: 12/03/13	D80				B59.1, E71.8
MIST ELIMINATOR, BRENTWOOD ACU-PAC, MODEL CF80MAX					

- * (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.

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: COOLING TOWERS					
COOLING TOWER, NO. 6, 3700 GPM WITH A/N: 537041 Permit to Construct Issued: 12/03/13 MIST ELIMINATOR, BRENTWOOD ACU-PAC, MODEL CF80MAX	D82				B59.1, E71.8

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

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

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SECTION H: DEVICE ID INDEX

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

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SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
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D2	1	1	0
D3	2	1	0
D4	2	2	0
C5	4	2	0
D6	4	2	0
D7	5	3	0
D67	4	2	0
D80	5	9	1
D82	6	9	1
C84	4	2	0
E85	5	8	0
S86	5	3	0
S87	5	3	0
S88	5	3	0
S89	1	1	0
S90	1	1	0
S91	2	1	0
D94	3	2	0
D95	3	2	0
D96	3	2	0
D97	4	2	0
C103	3	2	0
D107	3	2	0

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

FACILITY CONDITIONS

F5.1 The following conditions shall apply to operations with lead containing materials and housekeeping practices for fugitive lead-dust emissions at this facility:

Dust-forming material which may contain lead, including but not limited to baghouse dust, dross, ash, or feed material, shall be stored in closed containers in enclosed storage areas

Surfaces upon which lead-containing dust accumulates and which are subject to vehicular or foot traffic shall be either washed down, vacuum-cleaned, or wet-mopped at least once a week, or shall be maintained with the use of non-toxic chemical dust suppressants

Lead or lead-containing wastes generated from housekeeping activities shall be stored, disposed of, recovered, or recycled using practices that do not lead to fugitive lead-dust emissions

Records of the quantities of each lead-containing material processed, and the lead content of the material shall be maintained. The records shall include but not limited to purchase records, usage records, results of analysis or other verification to indicate lead content and lead usage. The records shall be kept for at least the last five years, and made available to District personnel upon request

Records of housekeeping activities, and inspection and maintenance of emission collection system(s) and control device(s) shall be maintained. The records shall include the name of the person performing the activity, description of the activity, and the dates on which the specific activity was completed. The records shall be kept for at least the last five years, and made available to District personnel upon request

[RULE 1420, 9-11-1992]

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

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

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

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

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

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

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000; 40CFR 63SubpartZZZZ, 3-9-2011]

F14.2 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

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

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
PM	Less than or equal to 10549 LBS IN ANY CALENDAR MONTH

For the purposes of this condition, PM emissions shall be defined as total filterable and condensable PM emissions.

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

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

[Devices subject to this condition : D4]

B. Material/Fuel Type Limits

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

hexavalent chromium containing water treatment chemicals

[RULE 1404, 4-6-1990]

[Devices subject to this condition : D80, D82]

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the material processed to no more than 51210 ton(s) in any one calendar month.

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

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 : D4]

C1.3 The operator shall limit the natural gas fuel usage to no more than 2.2 MM cubic feet per day.

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

[Devices subject to this condition : D7]

C1.12 The operator shall limit the natural gas fuel usage to no more than 18 MM cubic feet in any one calendar month.

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

This limit shall be based on the total combined limit for equipment D1, D2 and D3.

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

[Devices subject to this condition : D1, D2, D3]

C1.13 The operator shall limit the natural gas fuel usage to no more than 114667 cubic feet per hour.

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

[Devices subject to this condition : D7]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 275 Deg F.

For the purpose of this condition, the maximum operating temperature of 275 Deg. F shall be on a 15-minute average basis to account for any occasional spikes in temperature.

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

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

[Devices subject to this condition : C103]

C409.1 The operator shall ensure that oil filters used in this equipment shall meet the following specified requirements:

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

The amount of oil filters used shall not exceed 750 tons in any one calendar month.

Oil filters shall be drained and crushed prior to being used in this equipment.

Records on the amount of oil filters used shall be maintained, 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; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D4]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the billet heating furnace.

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

[Devices subject to this condition : D7]

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the exit of the water cooled elbow in the exhaust system.

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

[Devices subject to this condition : D4]

D12.4 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the the filter bags.

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

[Devices subject to this condition : C5, C84, C103]

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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The District shall be notified of the date and time of the test at least 14 days prior to the test.

Source test shall be conducted when this equipment is operating at maximum load.

The test shall be conducted at least once during the life of the permit.

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

The test shall be conducted to determine the PM emissions using an approved test method measured over a 60 minute averaging time period.

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

[Devices subject to this condition : C5]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine lead emissions to outside atmosphere.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : D1, D2, D3]

D28.5 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted to determine the total PM emissions at the inlet and outlet simultaneously.

The test shall be conducted to determine the PM emissions using District Methods 207.1 and 5.3, or EPA Method 17 measured over a 60 minute averaging time period.

The test shall be conducted to determine the metals at the inlet and outlet simultaneously.

The test shall be conducted for the following metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, manganese, mercury, nickel, phosphorus, silver, selenium, thallium, vanadium, and zinc.

The test shall be conducted for metals by CARB Method 436.

Source test shall be conducted when this equipment is operating at maximum load.

The test shall be conducted at least once during the life of the permit.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, unless otherwise approved in writing by the District.

The District shall be notified of the date and time of the test at least 14 days prior to the test.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 9-10-2010; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C103]

D232.1 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the NO_x concentration at the outlet.

[RULE 2012, 5-6-2005]

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

[Devices subject to this condition : D7]

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 : C5, C84, C103]

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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.

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

FACILITY PERMIT TO OPERATE TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D1, D2, D3, D94, D95, D96, D97]

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.

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 TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 : D4]

- 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 weekly basis, at least, unless the equipment did not operate during the entire weekly period. The routine weekly 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 1155, 12-4-2009; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C84]

FACILITY PERMIT TO OPERATE TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 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 : C5, C103]

E. Equipment Operation/Construction Requirements

E71.2 The operator shall not operate this equipment if the opacity of the exhaust gases from the baghouse is 3 percent or greater based on the arithmetic average of 24 consecutive 15-second opacity observations taken in accordance with USEPA Method 9.

[40CFR 60 Subpart AAa, 2-22-2005]

[Devices subject to this condition : C5, C103]

E71.3 The operator shall not operate this equipment if the opacity of the gases from the screw conveyor is 10 percent or greater based on the arithmetic average of 24 consecutive 15-second opacity observations taken in accordance with USEPA Method 9.

FACILITY PERMIT TO OPERATE TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[40CFR 60 Subpart AAa, 2-22-2005]

[Devices subject to this condition : C5, C103]

- E71.4 The operator shall only charge drained and crushed oil filters to this equipment during the portion of the operation which produces the maximum temperature at the exit of the water cooled elbow.

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

[Devices subject to this condition : D4]

- E71.6 The operator shall not operate this equipment if the opacity of the gases from the furnace building is 6 percent or greater based on the arithmetic average of 24 consecutive 15-second opacity observations taken in accordance with USEPA Method 9.

[40CFR 63 Subpart YYYYYY, 12-28-2007]

[Devices subject to this condition : D4]

- E71.8 The operator shall not operate this equipment unless the emissions of toxic air contaminants (TACs) with a date of listing of September 10, 2010 or earlier in Rule 1401 does not exceed a cancer risk of 1 in a million or hazard index of 1 for acute or chronic TACs.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D80, D82]

- E71.10 The operator shall not have the ability to increase the permitted scrap material processing weight rate for this equipment unless 1) The total PM emission rate is < or = to 0.206 lbs/ton of scrap material processed, and 2) Prior to testing, the protocol shall be approved by the SCAQMD, and the test results shall be reviewed and approved prior to use for emission determinations.

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

FACILITY PERMIT TO OPERATE TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D4]

- E71.11 The operator shall only have the ability to increase the scrap material throughput through this equipment if all provisions in condition E71.10 are met to the satisfaction of the Executive Officer, and upon written notification from the SCAQMD shall not increase the throughput to more than 80,000 tons per month.

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

[Devices subject to this condition : D4]

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

FACILITY PERMIT TO OPERATE TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The baghouse pressure differential across the filter bags shall be maintained between 2" and 8" 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 continuously.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 2" of water column or more than 8" 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 2" and 8" 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.

FACILITY PERMIT TO OPERATE TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The operator shall keep adequate records in a format that is acceptable to the AQMD 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 : C5, C103]

E448.2 The operator shall comply with the following requirements:

Dust collected in this equipment shall be discharged only into enclosed containers or returned to process and shall not be handled in a manner that may result in the re-release of collected materials to the atmosphere.

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

[Devices subject to this condition : C5, C84, C103]

E448.3 The operator shall comply with the following requirements:

The operator shall only purchase motor scrap from scrap providers who participate in an EPA approved program for removal of mercury switches.

[40CFR 63 Subpart YYYYYY, 12-28-2007]

[Devices subject to this condition : D4]

H. Applicable Rules

H23.3 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 TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C5, C84, C103]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

A source test protocol shall be submitted to the District (addressed to the South Coast Air Quality Management District, Attn: Richard Hawrylew, Engineering & Compliance, 21865 Copley Drive, Diamond Bar, CA 91765) no later than 30 days from the start-up of this equipment, unless otherwise approved in writing by the District. The test protocol shall be approved in writing by the District before the test commences.

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

[Devices subject to this condition : C5, C103]

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

FACILITY PERMIT TO OPERATE TAMCO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of lbs of total PM per ton of scrap processed. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Source test results shall also include the operating conditions of the basic equipment under which the test was conducted.

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

[Devices subject to this condition : D4]

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

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

The date, time and results of the inspection

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

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

[Devices subject to this condition : C5, C84, C103]