

## **FACILITY PERMIT TO OPERATE**

**VISTA METALS CORPORATION  
13425 WHITTRAM AVE  
FONTANA, CA 92335**

### **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 VISTA METALS CORPORATION

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## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

### 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: METAL PRETREATING</b>					
<b>System 1: ALUMINUM CRUSHING</b>					
CRUSHER, JAW A/N: 432782	D63	C42			
<b>System 2: ALUMINUM DRYING</b>					
DRYER, ALUMINUM CHIP, NATURAL GAS, 1 MMBTU/HR A/N: 393162	D19	C20 C57	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	
AFTERBURNER, NATURAL GAS, 2.3 MMBTU/HR A/N: E1871B	C20	D19	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C8.1, D381.3
DRYER, ROTARY, NATURAL GAS, ALUMINUM CHIPS/BORINGS, WITH LOW NOX BURNER, 12 MMBTU/HR A/N: 523430	D41	C42	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 38 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 38 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.17, C6.1, D381.4, 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.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: METAL PRETREATING</b>					
AFTERBURNER, NATURAL GAS, 12 MMBTU/HR WITH A/N: 462547  BURNER, NATURAL GAS, STORDY COMBUSTION ENGINEERING LTD, MODEL SFM-2, LOW NOX, 12 MMBTU/HR	C42	D41 C44 D63  C44	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 38 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 38 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C8.1, D381.4
HEAT EXCHANGER A/N: 462547	D43				
CYCLONE, FOUR-STAGE SYSTEM, EACH WITH 56 IN DIA, 180 IN HEIGHT A/N: 462547	C44	C42 C45 B48		PM: (9) [RULE 404, 2-7-1986]	
<b>System 3: AIR POLLUTION CONTROL</b>					
BAGHOUSE, FULLER BAGHOUSE MFG., WITH BAG LEAK DETECTION SYSTEM, 16000 SQ.FT. A/N: 510235	C45	C44		PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5) [RULE 1155, 12-4-2009]	D12.8, D322.1, D381.4, E102.1, E440.1, H23.1, K67.4
<b>Process 2: METAL PROCESSING</b>					
<b>System 1: ALUMINUM MELTING</b>					

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: METAL PROCESSING</b>					
FURNACE, MELTING, NO. 1, NATURAL GAS, ALUMINUM, WITH LOW NOX BURNER, 24 MMBTU/HR WITH A/N: 298026   INJECTOR, CHLORINE   BURNER, NATURAL GAS, STORDY, MODEL FM2 MICRONOX, WITH LOW NOX BURNER, 24 MMBTU/HR	D34	C58	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 38 PPMV NATURAL GAS (1) [RULE 2012, 5-6-2005]; NOX: 38 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.1, C1.3, D381.3, 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.)  
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<b>Process 2: METAL PROCESSING</b>					
FURNACE, MELTING, REVERBATORY, NO. 2 INGOT, NATURAL GAS, ALUMINUM, 18 MMBTU/HR WITH A/N: 374305   CHARGING WELL, ALUMINUM  INJECTOR, CHLORINE  BURNER, NATURAL GAS, STORDY, MODEL 3600, WITH LOW NOX BURNER, 2 TOTAL; 9 MMBTU/HR	D4	C57	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 38 PPMV (3) [RULE 2012, 5-6-2005]; NOX: 38 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.13, C1.14, D381.3

\* (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.)  
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<b>Process 2: METAL PROCESSING</b>					
FURNACE, MELTING, REVERBATORY, NO. 2 BILLET, NATURAL GAS, ALUMINUM INGOT, WITH RECUPERATOR, 24 MMBTU/HR WITH  A/N: 374319          BURNER, NATURAL GAS, STORDY, MODEL 3600, WITH LOW NOX BURNER, 2 TOTAL; 12 MMBTU/HR	D8		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 38 PPMV (3) [RULE 2012, 5-6-2005]; NOX: 38 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.2, C1.15, D381.3, K67.1
FURNACE, MELTING, REVERBATORY, NO. 3 BILLET, NATURAL GAS, ALUMINUM, WITH RECUPERATOR, 18 MMBTU/HR WITH  A/N: 374325          BURNER, NATURAL GAS, STORDY, MODEL 3600, WITH LOW NOX BURNER, 2 TOTAL; 9 MMBTU/HR	D9		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 38 PPMV (3) [RULE 2012, 5-6-2005]; NOX: 38 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.2, C1.8, C1.16, D381.3

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 (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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<b>Process 2: METAL PROCESSING</b>					
FURNACE, MELTING, REVERBATORY, NO. 4 BILLET, NATURAL GAS, ALUMINUM, 16 MMBTU/HR WITH A/N: 374323  BURNER, NATURAL GAS, STORDY, MODEL 3600, WITH LOW NOX BURNER, 2 TOTAL; 8 MMBTU/HR	D10		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 38 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 38 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.2
FURNACE, MELTING, NO. 3 BILLET, NATURAL GAS, ALUMINUM INGOT, 16 MMBTU/HR WITH A/N: 463575  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1150+100 ULTRA-LOW NOX REGENERATIVE BURNERS, 16 MMBTU/HR	D72		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 60 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 407, 4-2-1982]	B59.2, C1.15, C1.16, D381.3, 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.)  
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<b>Process 2: METAL PROCESSING</b>					
FURNACE, MELTING, A BILLET, NATURAL GAS, ALUMINUM INGOT, WITH REGENERATIVE BEDS, 16 MMBTU/HR WITH A/N:  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1150+100 ULTRA-LOW NOX REGENERATIVE BURNERS, 16 MMBTU/HR	D94		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) ; NOX: 60 PPMV NATURAL GAS (3) ; NOX: 60 PPMV NATURAL GAS (4) ; PM: (9) ; PM: 0.1 GRAINS/SCF NATURAL GAS (5)	B59.2, C1.23, C1.24, D28.4, D28.5, D381.3, K67.1, K67.7
FURNACE, MELTING, B BILLET, NATURAL GAS, ALUMINUM INGOT, WITH REGENERATIVE BEDS, 16 MMBTU/HR WITH A/N:  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1150+100 ULTRA-LOW NOX REGENERATIVE BURNERS, 16 MMBTU/HR	D95		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) ; NOX: 60 PPMV NATURAL GAS (3) ; NOX: 60 PPMV NATURAL GAS (4) ; PM: (9) ; PM: 0.1 GRAINS/SCF NATURAL GAS (5)	B59.2, C1.23, C1.24, D28.4, D28.5, D381.3, K67.1, K67.7
<b>System 2: AIR POLLUTION CONTROL</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
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  - (5) (5A) (5B) Denotes command and control emission limit
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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.)
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<b>Process 2: METAL PROCESSING</b>					
BAGHOUSE, CLOTH FILTER, AMEREX, INC., MODEL 4C RP-10-200 D4 NOMEX FILTER, PULSE JET CLEANING TYPE, WITH DRY LIMESTONE INJECTION, 3517 SQ.FT.; 200 BAGS WITH A/N: 394685  HEATER, DUCT, NATURAL GAS, 1.4 MMBTU/HR	C57	D4 D19	NOX: PROCESS UNIT**	PM: (9) [RULE 404, 2-7-1986]  CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A72.1, D12.3, D12.4, D12.5, D12.8, D322.1, D381.4, E102.1, K67.4
BAGHOUSE, CLOTH FILTER, AMEREX, INC., MODEL 4CRP14 - 200 D4, AMEREX FILTER WITH DRY LIME INJECTION, 3517 SQ.FT. A/N: 404911	C58	D34		PM: (9) [RULE 404, 2-7-1986]	A72.1, D12.3, D12.4, D12.5, D12.8, D322.1, D381.4, K67.4
<b>System 3: METAL HOMOGENIZING</b>					
FURNACE, NO. 3, HOMOGENIZING, NATURAL GAS, 12.4 MMBTU/HR A/N: 481870	D84		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 45 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.22, C6.1, D12.7, D28.4, E71.2, K67.7

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 (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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<b>Process 2: METAL PROCESSING</b>					
FURNACE, NO. 5, HOMOGENIZING, THORPE TECH, NATURAL GAS, 16 MMBTU/HR WITH A/N: 385174  BURNER, NATURAL GAS, HAUCK, MODEL MBG, 4 TOTAL; 4 MMBTU/HR	D55		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 45 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 45 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.2, C1.18, D381.3, E147.3, E147.4
FURNACE, NO. 6, HOMOGENIZING, NATURAL GAS, 12.4 MMBTU/HR WITH A/N: 522329  BURNER, NATURAL GAS, WINNOX, MODEL WX400, 2 TOTAL; 4.9 MMBTU/HR  BURNER, NATURAL GAS, WINNOX, MODEL WX100, 2 TOTAL; 1.3 MMBTU/HR	D60		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 45 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 45 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 404, 2-7-1986]	C1.24, C6.1, D12.7, K67.7

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 (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  
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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 2: METAL PROCESSING</b>					
FURNACE, NO. 7, HOMOGENIZING, NATURAL GAS, 12.4 MMBTU/HR WITH A/N: 522330  BURNER, NATURAL GAS, 12.4 MMBTU/HR	D66		NOX: LARGE SOURCE**  NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 45 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 45 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 405, 2-7-1986]	C1.24, C6.1, D12.7, K67.7
FURNACE, NO. 8, HOMOGENIZING, NATURAL GAS, 12.4 MMBTU/HR WITH A/N: 522331  BURNER, NATURAL GAS, WINNOX, MODEL WX400, 2 TOTAL; 4.9 MMBTU/HR  BURNER, NATURAL GAS, WINNOX, MODEL WX100, 2 TOTAL; 1.3 MMBTU/HR	D69		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 45 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 45 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 404, 2-7-1986]	C1.24, C6.1, D12.7, K67.7

- \* (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 VISTA METALS CORPORATION

### 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: METAL PROCESSING</b>					
FURNACE, NO. 9, HOMOGENIZING, NATURAL GAS, 12.4 MMBTU/HR WITH A/N:  BURNER, NATURAL GAS, WINNOX, MODEL WX400, 2 TOTAL; 4.9 MMBTU/HR  BURNER, NATURAL GAS, WINNOX, MODEL WX100, 2 TOTAL; 1.3 MMBTU/HR	D96		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) ; NOX: 45 PPMV NATURAL GAS (3) ; NOX: 50 PPMV NATURAL GAS (4) ; PM: (9) ; PM: 0.1 GRAINS/SCF NATURAL GAS (5)	C1.24, C6.1, D12.7, D28.4, E147.3, K67.7
FURNACE, NO. 7, HOMOGENIZING, NATURAL GAS, 12.4 MMBTU/HR WITH A/N: 537211  BURNER, NATURAL GAS, WINNOX, MODEL WX400, 2 TOTAL; 4.9 MMBTU/HR  BURNER, NATURAL GAS, WINNOX, MODEL WX100, 2 TOTAL; 1.3 MMBTU/HR	D103		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 45 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 404, 2-7-1986]	C1.21, C6.1, D12.7, E147.3, I297.1, K67.7
<b>System 4: METAL ETCHING</b>					

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

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

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

### 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: METAL PROCESSING</b>					
TANK, UNHEATED, NITRIC, ETCH, 20% CONCENTRATION, 440 GALS A/N: 462543	D80		NOX: PROCESS UNIT**		
TANK, SODIUM HYDROXIDE, ETCH, 440 GALS A/N: 462543	D81				
<b>Process 3: FUEL STORAGE AND DISPENSING</b>					
STORAGE TANK, ABOVEGROUND, GASOLINE, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM, 2000 GALS A/N: 536368	D25			VOC: (9) [RULE 461, Balance Conditions, 1-9-2004; RULE 461, CNI Phase I EVR Conditions, 1-9-2004]	J109.1, J110.1, J373.1
FUEL DISPENSING NOZZLE, BALANCE RETRACTOR PHASE II CONTROL, GASOLINE, 1 TOTAL A/N: 536368	D26			VOC: (9) [RULE 461, Balance Conditions, 1-9-2004; RULE 461, CNI Phase I EVR Conditions, 1-9-2004]	J109.1, J110.1, J373.1
<b>Process 4: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E49			ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.3
PIT, #1, CASTING, METAL  BURNER, NATURAL GAS, 1 TOTAL; 0.17 MMBTU/HR	E88			PM: (9) [RULE 404, 2-7-1986]	
PIT, #2, CASTING, METAL  BURNER, NATURAL GAS, 1 TOTAL; 0.17 MMBTU/HR	E89			PM: (9) [RULE 404, 2-7-1986]	

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

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

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

### 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 4: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
PIT, #3, CASTING, METAL  BURNER, NATURAL GAS, 1 TOTAL; 0.17 MMBTU/HR	E90			PM: (9) [RULE 404, 2-7-1986]	

\* (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  
VISTA METALS CORPORATION**

**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  
 VISTA METALS CORPORATION  
 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>
D4	4	2	1
D8	5	2	1
D9	5	2	1
D10	6	2	1
D19	1	1	2
C20	1	1	2
D25	12	3	0
D26	12	3	0
D34	3	2	1
D41	1	1	2
C42	2	1	2
D43	2	1	2
C44	2	1	2
C45	2	1	3
E49	12	4	0
D55	9	2	3
C57	8	2	2
C58	8	2	2
D60	9	2	3
D63	1	1	1
D66	10	2	3
D69	10	2	3
D72	6	2	1
D80	12	2	4
D81	12	2	4
D84	8	2	3
E88	12	4	0
E89	12	4	0
E90	13	4	0
D94	7	2	1
D95	7	2	1
D96	11	2	3
D103	11	2	3

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

#### FACILITY CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT	Unit
CO	Less than or equal to 29	TONS IN ANY ONE YEAR

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

#### SYSTEM CONDITIONS

S28.1 Except for diesel transfers, Phase I vapor recovery systems shall be in full operation whenever fuel is being transferred into storage tanks.

Except for diesel transfers, Phase II vapor recovery systems shall be in full operation whenever fuel is being transferred into motor vehicles, as defined in Rule 461.

All Phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

[RULE 461, 6-3-2005; RULE 461, BP, Healy, Phase I and II EVR Conditions, 3-7-2008]

[Systems subject to this condition : Process 3, System 0]

#### DEVICE CONDITIONS

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

#### A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 66 LBS IN ANY ONE MONTH
SOX	Less than or equal to 22 LBS IN ANY ONE MONTH
CO	Less than or equal to 308 LBS IN ANY ONE MONTH
PM	Less than or equal to 22 LBS IN ANY ONE MONTH

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

[Devices subject to this condition : D34]

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 1407, 7-8-1994]

[Devices subject to this condition : C57, C58]

#### B. Material/Fuel Type Limits

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

rubber, plastic, paper, rags, oil, grease or similar smoke producing material.

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

### 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 : D8, D9, D10, D55, D72, D94, D95]**

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

**C1.3 The operator shall limit the material processed to no more than 3.3e+06 lb(s) in any 30-day period.**

**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 : D34]**

**C1.8 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 : D9]**

**C1.13 The operator shall limit the fuel usage to no more than 9.30024e+06 cubic feet per month.**

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

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

For the purpose of this condition, fuel usage shall be defined as natural gas.

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

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

[Devices subject to this condition : D4]

- C1.14 The operator shall limit the material processed to no more than 2250 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 : D4]

- C1.15 The operator shall limit the material processed to no more than 2880 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as scrap charge including aluminum chips/borings/turnings.

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

[Devices subject to this condition : D8, D72]

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

C1.16 The operator shall limit the fuel usage to no more than 10.97e+07 cubic feet per month.

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

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

For the purpose of this condition, fuel usage shall be defined as natural gas.

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

[Devices subject to this condition : D9, D72]

C1.17 The operator shall limit the material processed to no more than 150000 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as scrap charge including aluminum chips/borings/turnings.

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

[Devices subject to this condition : D41]

C1.18 The operator shall limit the fuel usage to no more than 5.54667e+06 cubic feet per month.

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

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

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

### 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 : D55]

- C1.21 The operator shall limit the natural gas fuel usage to no more than 1.95 MM cubic feet in any one calendar month.

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

[Devices subject to this condition : D103]

- C1.22 The operator shall limit the fuel usage to no more than 5.485E+6 cubic feet in any one calendar month.

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

[Devices subject to this condition : D84]

- C1.23 The operator shall limit the material processed to no more than 4,538 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as scrap charge including aluminum chips/borings/turnings.

This limit shall be based on the total combined limit for equipment D94,D95.

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 : D94, D95]

- C1.24 The operator shall limit the fuel usage to no more than 30985700 cubic feet per month.

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

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

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

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

This limit shall be based on the total combined limit for equipment D60, D66, D69, D94, D95, D96, D97.

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 : D60, D66, D69, D94, D95, D96]**

**C6.1** The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 1200 Deg F.

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

The measuring device or gauge shall be accurate to within plus or minus 30 Degrees F. It shall be calibrated once every 12 months.

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

**[Devices subject to this condition : D41, D60, D66, D69, D84, D96, D103]**

**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.

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

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

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

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

The measuring device or gauge shall be accurate to within plus or minus 30 Degrees F. It shall be calibrated once every 12 months.

**[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 : C20, C42]

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

D12.3 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the duct leading to or from the filter and to indicate the duct velocity.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C57, C58]

D12.4 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the filter media or in the baghouse. Such sensor shall sound an alarm when there are broken or damaged filter media or leaks in the baghouse.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C57, C58]

D12.5 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the filter inlet. Such gauge shall consist of a thermocouple and a temperature controller to monitor and control the temperature.

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C57, C58]

- D12.7 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the homogenizing furnace.

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

[Devices subject to this condition : D60, D66, D69, D84, D96, D103]

- D12.8 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

The operator shall replace the filter when the differential pressure approaches five (5) inches water gauge.

The operator shall dispose of the used filter in a closed container.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1407, 7-8-1994]

[Devices subject to this condition : C45, C57, C58]

- D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

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

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

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

The test shall be conducted while the equipment is operating at normal production rate.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

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

[Devices subject to this condition : D84, D94, D95, D96]

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

The test shall be conducted to determine PM10 emissions in lbs/ton of material processed.

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

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

The District shall be notified of the date and time of the test at least 10 days prior to the test.

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

[Devices subject to this condition : D94, D95]

D322.1 The operator shall perform a quarterly inspection of the equipment and filter media for leaks, broken or torn filter media, and improper installation.

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

### **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 : C45, C57, C58]

D381.3 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 an annual basis, at least, unless the equipment was not operating during the entire twelve month 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 : D4, D8, D9, C20, D34, D55, D72, D94, D95]

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

D381.4 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 was not operating during the entire three-month 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 : D41, C42, C45, C57, C58]

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

E71.2 The operator shall not operate device D23 simultaneously with this equipment except during the first 90 days of start up.

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

[Devices subject to this condition : D84]

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

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

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

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

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

**[Devices subject to this condition : C45, C57]**

E147.3 The operator shall not conduct refining or fluxing 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 : D55, D96, D103]**

E147.4 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 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

**[Devices subject to this condition : D55]**

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

install, operate, calibrate, and maintain a bag leak detection system per manufacturer's recommendations.

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

### 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 : C45]

#### H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C45]

#### I. Administrative

I297.1 This equipment shall not be operated unless the facility holds 1361 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D103]

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

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

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

#### **J. Rule 461**

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 6-3-2005; RULE 461, 3-7-2008]

[Devices subject to this condition : D25, D26]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 6-3-2005; RULE 461, 3-7-2008]

[Devices subject to this condition : D25, D26]

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

a). All Phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board Certification requirements.

b). All permit conditions applicable to the equipment described in the previous permit to operate shall remain in effect until the new or modified equipment is constructed and operated as described in this new permit. This permit to construct/operate shall become invalid if the modification as described in this equipment has not been completed within 1 year from the issue date.

If the modification has not been completed within 1 year from the issue date of the permit, a written request shall be submitted to the AQMD (Attention: Randy Matsuyama) to reinstate the previously inactivated permit to operate.

c). New equipment installations and subsequent service and repairs for any certified component for which this permit was issued, shall only be performed by a current and certified person who has successfully completed the manufacturer's training course and appropriate International Code Council (ICC) certification. Completion of any AQMD training course does not substitute for this requirement. Proof of successful completion of any manufacturer training course shall be with the manufacturer.

d). The district at its discretion may wish to witness the installation and/or performance testing of the new vapor recovery equipment. At least seventy two (72) hours prior to the installation of the equipment and any of the mentioned testing requirements in this permit, the applicant shall notify the AQMD by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 3963606.

Such Notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the schedule start and completion dates of the tests to be performed.

At least 72 hours prior to backfilling any underground piping, the AQMD shall be notified by email at R461Backfill@aqmd.gov or by facsimile at (909) 396-3606. Such Notification shall include name of operator; name of contractors; location of facility; start and completion dates of backfilling. Back filling procedure shall not

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

commence until inspected by District Representative.

e) A leak rate and cracking pressure test of pressure/vacuum relief vent valves shall be conducted within 30 days (30) after the start of the OPW phase I EVR equipment and at least once every three (3) years thereafter to determine the pressure and vacuum at which the pressure/vacuum vent valve actuates, and to determine the volumetric leak rate at a given pressure. The test shall be conducted in accordance with the test procedure method TP-201.1E.

Results shall be submitted to the AQMD, Office of Engineering and compliance, within 72 hours of test. This test result shall be kept on site for 3 years and made available to district representatives upon request.

f) A static pressure performance test shall be conducted to quantify the vapor tightness of the aboveground storage tank. The test shall be conducted in accordance with the latest version of exhibit 4 of Carb Executive order VR-402, as a performance test and as a reverification test. Results shall be submitted to the AQMD Office of Engineering and Compliance, within 72 hours of test.

g). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
60	0.35
80	0.62

Dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressure. The tests shall be conducted in accordance with CARB Test Procedure TP-201.4, Methodology 1. Results shall be submitted to AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of tests.

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

h). If the CARB executive order requires the installation of a liquid removal device, a liquid removal test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted in accordance with CARB test procedure method TP-201.6. Results shall be submitted to AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of tests.

i). At least seventy two (72) hours prior to the installation of the equipment and any of the mentioned testing requirements in this permit, the applicant shall notify the AQMD by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 3963606. Such Notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the schedule start and completion dates of the tests to be performed.

j). The testing for the above mentioned tests shall be conducted in accordance with the most recent Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent

k). All records and test results that are required to be maintained by Rule 461 shall be kept on site for at least five (5) years and be made available to District staff upon request.

[RULE 461, 6-3-2005; RULE 461, 3-7-2008]

[Devices subject to this condition : D25, D26]

#### **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):

quantity of materials processed in this equipment

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

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

### 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 : D8, D34, D41, D72, D94, D95]

**K67.3** 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 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E49]

**K67.4** 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 medium.

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]**

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

### **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 : C45, C57, C58]

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

The monthly natural gas usage.

Such record shall be kept for five years and shall be available to District staff upon request.

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

[Devices subject to this condition : D60, D66, D69, D84, D94, D95, D96, D103]

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: METAL PROCESSING</b>					
<b>System 3: METAL HOMOGENIZING</b>					
HEATER, GOLDCOAST, NATURAL GAS, GOLD COAST, 4 MMBTU/HR WITH A/N: 516523 Permit to Construct Issued: 10/27/11  BURNER, NATURAL GAS, WINNOX, MODEL WX200, 2 TOTAL; 2 MMBTU/HR	D97			CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 20 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	C1.24, D28.4, E147.4, K67.7

\* (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  
VISTA METALS CORPORATION**

**SECTION H: DEVICE ID INDEX**

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

**FACILITY PERMIT TO OPERATE  
VISTA METALS CORPORATION**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D97	1	2	3

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

#### FACILITY CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT	Unit
CO	Less than or equal to 29	TONS IN ANY ONE YEAR

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

#### SYSTEM CONDITIONS

S28.1 Except for diesel transfers, Phase I vapor recovery systems shall be in full operation whenever fuel is being transferred into storage tanks.

Except for diesel transfers, Phase II vapor recovery systems shall be in full operation whenever fuel is being transferred into motor vehicles, as defined in Rule 461.

All Phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

[RULE 461, 6-3-2005; RULE 461, BP, Healy, Phase I and II EVR Conditions, 3-7-2008]

[Systems subject to this condition : Process 3, System 0]

#### DEVICE CONDITIONS

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

C1.24 The operator shall limit the fuel usage to no more than 30985700 cubic feet per month.

## FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION

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

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

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

This limit shall be based on the total combined limit for equipment D60, D66, D69, D94, D95, D96, D97.

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 : D97]

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

D28.4 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 while the equipment is operating at normal production rate.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

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

[Devices subject to this condition : D97]

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

E147.4 The operator shall not conduct metal melting operations in this equipment.

## **FACILITY PERMIT TO OPERATE VISTA METALS CORPORATION**

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

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

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

[Devices subject to this condition : D97]

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

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

**The monthly natural gas usage.**

Such record shall be kept for five years and shall be available to District staff upon request.

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

[Devices subject to this condition : D97]