



# South Coast Air Quality Management District

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

July 14, 2011

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

Dear Mr. Rios:

Reference: Transmittal of Proposed Title V Renewal Permit

Enclosed are the proposed Title V renewal permit, permit summary, statement of basis, permit application, permit evaluation and public notice for Press Forge Co. located at 7700 Jackson Street, Paramount, CA 90723. Incorporated into this Title V renewal permit revision is the addition of the forging furnace D35 (A/N 523850).

Questions on the proposed Title V renewal permit should be directed to Manuel Quizon of my staff at (909) 396-2639.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brian L. Yeh", is written over the typed name.

Brian L. Yeh  
Senior Manager  
Chemical/Mechanical Operations

BLY:mvq

Enclosures:

- Proposed Title V Permit
- Permit Summary
- Statement of Basis
- Public Notice
- Permit Evaluation

## FACILITY PERMIT TO OPERATE

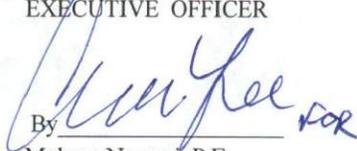
**PRESS FORGE CO  
7700 JACKSON ST  
PARAMOUNT, CA 90723**

### 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  for  
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

**FACILITY PERMIT TO OPERATE  
 PRESS FORGE CO**

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## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### SECTION A: FACILITY INFORMATION

**LEGAL OWNER &/OR OPERATOR:** PRESS FORGE CO

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 7700 JACKSON ST  
PARAMOUNT, CA 90723-5073

**MAILING ADDRESS:** 7700 JACKSON ST  
PARAMOUNT, CA 90723-5073

**RESPONSIBLE OFFICIAL:** MIKE BUXTON

**TITLE:** PRESIDENT

**TELEPHONE NUMBER:** (562) 531-4962

**CONTACT PERSON:** SHANE RYAL

**TITLE:** PRODUCTION MANAGER

**TELEPHONE NUMBER:** (562) 531-4962

**INITIAL TITLE V PERMIT ISSUED:** September 23, 2003

**TITLE V PERMIT EXPIRATION DATE:** September 22, 2008

<b>TITLE V</b>	<b>RECLAIM</b>
<b>YES</b>	<b>NOx: YES</b> <b>SOx: NO</b> <b>CYCLE: 2</b> <b>ZONE: COASTAL</b>

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 07/01/2011 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2008 6/2009	Coastal	9186	380	248
1/2009 12/2009	Coastal	0	0	0
7/2009 6/2010	Coastal	9186	231	496
1/2010 12/2010	Coastal	0	11500	0
7/2010 6/2011	Coastal	9186	12367	744
7/2011 6/2012	Coastal	9186	7119	992
7/2012 6/2013	Coastal	9186	7119	992
7/2013 6/2014	Coastal	9186	7119	992
7/2014 6/2015	Coastal	9186	7119	992
7/2015 6/2016	Coastal	9186	7119	992
7/2016 6/2017	Coastal	9186	7119	992
7/2017 6/2018	Coastal	9186	7119	992
7/2018 6/2019	Coastal	9186	7119	992
7/2019 6/2020	Coastal	9186	7119	992
7/2020 6/2021	Coastal	9186	7119	992
7/2021 6/2022	Coastal	9186	7119	992
7/2022 6/2023	Coastal	9186	7119	992

**Footnotes:**

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 07/01/2011 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2023 6/2024	Coastal	9186	7119	992
7/2024 6/2025	Coastal	9186	7119	992
7/2025 6/2026	Coastal	9186	7119	992

**Footnotes:**

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	15886	0

(TO BE DEVELOPED)

**SECTION C: FACILITY PLOT PLAN**

**FACILITY PERMIT TO OPERATE  
PRESS FORGE CO**

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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: FORGING/HEAT TREATING OPERATION</b>					
FURNACE, FORGE, I.D. NO. 1, NATURAL GAS, 12 MMBTU/HR A/N: 456865	D1		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 55 PPMV NATURAL GAS (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]	B59.1, D323.1
FURNACE, FORGE, I.D. NO. 2, NATURAL GAS, 12 MMBTU/HR A/N: 456866	D2		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 55 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, D323.1
FURNACE, FORGE, J.T.THORPE, NATURAL GAS, 18 MMBTU/HR A/N: 446513	D4		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 140 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, D323.1
FURNACE, FORGE, CAR BOTTOM, NATURAL GAS, 16.8 MMBTU/HR A/N: 374847	D5		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 135 PPMV NATURAL GAS (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]	B59.1, D323.1

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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 I. FORGING/HEAT TREATING OPERATION</b>					
FURNACE, FORGE, I.D. NO. 4, NATURAL GAS, WITH LOW NOX BURNER, 20.3 MMBTU/HR A/N: 308888	D7		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 65 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 81.1 PPMV NATURAL GAS (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]	B59.1, C1.2, D323.1
FURNACE, FORGE, NO. 8, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 377043  BURNER, NATURAL GAS, HAUCK MFG. COMPANY, MODEL SVG-125, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D9		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 55 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 55 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 409, 8-7-1981]	D28.1, D323.1

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

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



## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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: FORGING/HEAT TREATING OPERATION</b>					
FURNACE, FORGE, I.D. NO. 10, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 443803  BURNER, NATURAL GAS, HAUCK MFG. COMPANY, MODEL SVG-125B-001, WITH LOW NOX BURNER, 6 TOTAL; 1 MMBTU/HR	D17		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 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 409, 8-7-1981]	B59.1, D28.3, D323.1
FURNACE, FORGE, I.D. NO. 11, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 458094  BURNER, NATURAL GAS, ECLIPSE, MODEL FURNNOX, FN0150, WITH LOW NOX BURNER, 2 TOTAL; 1.5 MMBTU/HR	D19		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 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 409, 8-7-1981]	B59.1, D28.3, D323.1

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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: FORGING/HEAT TREATING OPERATION</b>					
FURNACE, FORGE, NO. 21, NATURAL GAS, WITH LOW NOX BURNER, 20 MMBTU/HR WITH A/N: 471325  BURNER, NATURAL GAS, ECLIPSE, MODEL FN200, WITH LOW NOX BURNER, 10 TOTAL; 2 MMBTU/HR	D23		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, C1.4, D323.1
FURNACE, FORGE, NO. 22, NATURAL GAS, WITH LOW NOX BURNER, 20 MMBTU/HR WITH A/N: 471326  BURNER, NATURAL GAS, ECLIPSE, MODEL FN200, WITH LOW NOX BURNER, 10 TOTAL; 2 MMBTU/HR	D25		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, C1.4, D323.1
<b>Process 4: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E14			ROG: (9) [RULE 1113, 11-8-1996]; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.1

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

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

**FACILITY PERMIT TO OPERATE  
PRESS FORGE CO**

**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  
 PRESS FORGE CO  
 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>
D1	1	1	0
D2	1	1	0
D4	1	1	0
D5	1	1	0
D7	2	1	0
D9	2	1	0
D11	3	1	0
E14	5	4	0
D15	3	1	0
D17	4	1	0
D19	4	1	0
D23	5	1	0
D25	5	1	0

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

#### DEVICE CONDITIONS

##### B. Material/Fuel Type Limits

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

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

Smoke producing material

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

[Devices subject to this condition : D1, D2, D4, D5, D7, D15, D17, D19, D23, D25]

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

C1.2 The operator shall limit the natural gas fuel usage to no more than 4.86 MM cubic feet per month.

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

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage 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 : D7]

C1.4 The operator shall limit the natural gas fuel usage to no more than 6.0 MM cubic feet per month.

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage 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 : D23, D25]

#### D. Monitoring/Testing Requirements

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

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

The test shall be conducted to demonstrate compliance with Rule 2012 (j)(4).

The test shall be conducted every five-year period, with the first five-year period ending June 30, 2005.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D9, D11]

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **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 every five year period, with the first five year period ending June 30, 2010.

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

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

**[Devices subject to this condition : D15, D17, D19]**

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a daily basis whenever fuel oil is burned. The routine daily inspection shall be conducted while the equipment is in operation and during daylight hours.

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

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.  
In addition, the operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within 72 hours of conversion to fuel oil firing and on a weekly basis thereafter, until the equipment stops firing fuel oil.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

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

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

[Devices subject to this condition : D1, D2, D4, D5, D7, D9, D11, D15, D17, D19, D23, D25]

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

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

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

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

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

[Devices subject to this condition : E14]

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

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

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation.[204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
  - a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

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

#### **I. NO<sub>x</sub> Monitoring Conditions**

A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NO<sub>x</sub> large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NO<sub>x</sub> concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall, as applicable:

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

#### **II. NOx Source Testing and Tune-up conditions**

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NOx source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

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

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

#### **I. Recordkeeping Requirements for all RECLAIM Sources**

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

#### **II. Reporting Requirements for all RECLAIM Sources**

1. The operator shall submit a quarterly certification of emissions including the facility's total NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

#### **NO<sub>x</sub> Reporting Requirements**

- A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

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

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

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

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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 I: FORGING/HEAT TREATING OPERATION</b>					
FURNACE, FORGE, NO. 1302, NATURAL GAS, WITH LOW NOX BURNER, 9 MMBTU/HR WITH A/N: 510440  Permit to Construct Issued: 09/07/10  BURNER, NATURAL GAS, ECLIPSE, MODEL FN150, WITH LOW NOX BURNER, 6 TOTAL; 1.5 MMBTU/HR	D27		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, C1.5, D28.4, D323.1
FURNACE, FORGE, NO. 1304, NATURAL GAS, WITH LOW NOX BURNER, 9 MMBTU/HR WITH A/N: 510441  Permit to Construct Issued: 09/07/10  BURNER, NATURAL GAS, ECLIPSE, MODEL FN150, WITH LOW NOX BURNER, 6 TOTAL; 1.5 MMBTU/HR	D29		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, C1.5, D28.4, D323.1

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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 1: FORGING/HEAT TREATING OPERATION</b>					
FURNACE, FORGE, NO. 1305, NATURAL GAS, WITH LOW NOX BURNER, 9 MMBTU/HR WITH A/N: 510442 Permit to Construct Issued: 09/07/10  BURNER, NATURAL GAS, ECLIPSE, MODEL FN150, WITH LOW NOX BURNER, 6 TOTAL; 1.5 MMBTU/HR	D31		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, C1.5, D28.4, D323.1
FURNACE, FORGE, NO. 1306, NATURAL GAS, WITH LOW NOX BURNER, 9 MMBTU/HR WITH A/N: 510443 Permit to Construct Issued: 09/07/10  BURNER, NATURAL GAS, ECLIPSE, MODEL FN150, WITH LOW NOX BURNER, 6 TOTAL; 1.5 MMBTU/HR	D33		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, C1.5, D28.4, D323.1, L341.1

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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 1: FORGING/HEAT TREATING OPERATION</b>					
FURNACE, FORGE, NO. 1101, NATURAL GAS, WITH LOW NOX BURNER, 20 MMBTU/HR WITH A/N:  BURNER, NATURAL GAS, ECLIPSE, MODEL FN0200, WITH LOW NOX BURNER, 10 TOTAL; 2 MMBTU/HR	D35		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, C1.4, D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
  - (10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
PRESS FORGE CO**

**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  
PRESS FORGE CO  
SECTION H: DEVICE ID INDEX**

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D27	1	1	0
D29	1	1	0
D31	2	1	0
D33	2	1	0
D35	3	1	0

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

#### DEVICE CONDITIONS

##### B. Material/Fuel Type Limits

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

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

Smoke producing material

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

[Devices subject to this condition : D27, D29, D31, D33, D35]

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

C1.4 The operator shall limit the natural gas fuel usage to no more than 6.0 MM cubic feet per month.

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

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage 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 : D35]

C1.5 The operator shall limit the natural gas fuel usage to no more than 5.0 MM cubic feet per month.

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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) flow meter to accurately indicate the fuel usage being supplied to the furnace.

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 : D27, D29, D31, D33]

#### **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 NO<sub>x</sub> emissions at the outlet.

The test shall be conducted every five year period, with the first five year period ending June 30, 2015.

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D27, D29, D31, D33]

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a daily basis whenever fuel oil is burned. The routine daily inspection shall be conducted while the equipment is in operation and during daylight hours.

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

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

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

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

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### 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 : D27, D29, D31, D33, D35]

#### **L. Expiration Date**

L341.1 Within 90 days after start-up of this equipment, the following device(s) shall be removed from operation:

D3

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

[Devices subject to this condition : D33]

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION I: PLANS AND SCHEDULES**

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

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

**FACILITY PERMIT TO OPERATE  
PRESS FORGE CO**

**SECTION J: AIR TOXICS**

**NOT APPLICABLE**

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION K: TITLE V Administration**

#### **GENERAL PROVISIONS**

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### **Permit Renewal and Expiration**

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### **Duty to Provide Information**

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

#### **Payment of Fees**

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### SECTION K: TITLE V Administration

#### Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
  - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
  - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

#### COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION K: TITLE V Administration**

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
  
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
  
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
  
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
  
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION K: TITLE V Administration**

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS**

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

- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
- (B) The date(s) analyses were performed;
- (C) The company or entity that performed the analyses;
- (D) The analytical techniques or methods used;
- (E) The results of such analyses; and
- (F) The operating conditions as existing at the time of sampling or measurement.  
[3004(a)(4)(B)]

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

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

### **REPORTING PROVISIONS**

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

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

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION K: TITLE V Administration**

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
  - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

### **SECTION K: TITLE V Administration**

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

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

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

### **PERIODIC MONITORING**

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### SECTION K: TITLE V Administration

#### *FACILITY RULES*

*This facility is subject to the following rules and regulations*

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

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 409	8-7-1981	Federally enforceable

**FACILITY PERMIT TO OPERATE  
PRESS FORGE CO**

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

NONE

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

### TABLE OF STANDARDS

#### VOC LIMITS

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

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

### TABLE OF STANDARDS (cont.)

#### VOC LIMITS

#### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

## **FACILITY PERMIT TO OPERATE PRESS FORGE CO**

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007] TABLE OF STANDARDS VOC LIMITS

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

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

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

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

**FACILITY PERMIT TO OPERATE  
PRESS FORGE CO**

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

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

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

(1) Solvent Requirements

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

(1) Solvent Requirements

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

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

**TABLE 404(a)**

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

## FACILITY PERMIT TO OPERATE PRESS FORGE CO

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

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

**FACILITY PERMIT TO OPERATE  
 PRESS FORGE CO**

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

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

# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

## Title V Permit Summary

AQMD Facility ID: 136	Company Name: PRESS FORGE COMPANY		
Equipment Location: 7700 Jackson Street, Paramount, Ca 90723	SIC Code: 3462		
Permit Revision #: 14	Revision Date:	Facility Permit Section(s) Affected: ALL	
Application #(s): 478918	Application Submittal Date(s): 3/4/2008		
AQMD Contact Person: Manuel Quizon	Phone #: (909) 396-2639	E-Mail Address: mquizon@aqmd.gov	
Project Description: This is an existing facility, applying for a Title V permit renewal, that is engaged in the manufacturing of forged products. The facility operates several forge furnaces.			
Permit Type: <input type="checkbox"/> Initial Title V Permit <input type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal			
Permit Features: <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input checked="" type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other: _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance			
Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2010	<input type="checkbox"/> No TACs Reported <input checked="" type="checkbox"/> <u>The Following TACs Were Reported:</u>		<u>Emissions (lbs/yr):</u>
	Ammonia		957.156
	CHROMIUM		<0.001
	BENZENE		1.654
	FORMALDEHYDE		3.509
	NAPHTHALENE		0.079
	NICKEL		0.002
	PAHS, TOTAL		0.026
Health Risk From Toxic Air Contaminants:	<input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401) <input type="checkbox"/> Health Risk Reduction Plan Approved (AQMD Rule 1402) (Year): _____ <input checked="" type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588) <input checked="" type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements <input type="checkbox"/> AQMD is Tracking Status of Facility under AB2588 <input type="checkbox"/> Health Risk Assessment Submittal Pending <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed <input type="checkbox"/> Final Facility Health Risk Approved (date) _____ Cancer Risk = <u>in one million</u> Acute Hazard Index = _____ Chronic Hazard Index = _____		
Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2010	<input checked="" type="checkbox"/> NOx 11.717 <input checked="" type="checkbox"/> CO 4.215 <input checked="" type="checkbox"/> VOC 0.932	<input checked="" type="checkbox"/> PM 1.6 <input checked="" type="checkbox"/> SOx 0.079 <input type="checkbox"/> Other: _____	
Compliance History:	<input type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (# 0) <input checked="" type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (# 1) <input type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (# 0)		
Comments: All issues involving Notice to Comply had been resolved. The company has been operating in compliance.			

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Title V Renewal Permit

<b>Facility Name:</b>	Press Forge Company
<b>Facility ID:</b>	136
<b>SIC Code:</b>	3462
<b>Equipment Location:</b>	7700 Jackson Street Paramount, CA 90723
<b>Application No.:</b>	478918
<b>Application Submittal Date:</b>	3/4/08
<b>AQMD Contact Person:</b>	Quizon, Manuel
<b>Phone Number:</b>	(909)396-2639
<b>E-Mail Address:</b>	mquizon@aqmd.gov

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#### 1. Introduction and Scope of Permit

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

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

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

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO<sub>2</sub>, SO<sub>2</sub>, and lead are in attainment with federal standards. The status of CO is currently serious nonattainment, but AQMD has petitioned to EPA for redesignation to

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

A Title V renewal permit is proposed to be issued to cover the operations of Press Forge Company located at 7700 Jackson Street, Paramount, CA 90723. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

This is an existing facility, applying for a Title V permit renewal, that is engaged in the manufacturing of forged products. The facility operates several forge furnaces.

## **3. Construction and Permitting History**

The facility has been in constant operation with a Title V permit at this location since 2003. Numerous permits to construct and or permits to operate have been issued to the facility since September 2003. An initial Title V permit was issued to the facility on September 23, 2003 and several permit revisions were subsequently issued to this facility.

## **4. Regulatory Applicability Determinations**

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

## **5. Monitoring and Operational Requirements**

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Sections D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable guidance documents: SCAQMD Periodic Monitoring Guidelines for Title V Facilities (November 1997); CAPCOA/CARB/EPA Region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999); and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP: Combustion Sources (July 2001). Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 do not apply to any of the permitted emission sources at this facility.

## 6. Permit Features

### Permit Shield

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

### Streamlining Requirements

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

## 7. Summary of Emissions and Health Risks

**Criteria Pollutant Emissions (tons/year)**  
**Annual Reported Emissions for Reporting Period 2010**

Pollutant	Emissions (tons/year)
CO	4.215
NOX	11.717
VOC	0.932
SOX	0.079
PM	1.6

**Toxic Air Contaminants Emissions (TAC)**  
**Annual Reported Emissions for Reporting Period 2010**

The Following TACs Were Reported	Emissions (lbs/yr)
Ammonia	957.156
Chromium	<0.001
Benzene	1.654
Formaldehyde	3.509
Naphthalene	0.079
Nickel	0.002
PAHs, total, with components not reported	0.026

### **Health Risk from Toxic Air Contaminants**

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The AQMD determined the facility to be exempt from the requirements of AB2588.

### **8. Compliance History**

As noted, the facility has been in constant operation with a Title V permit since 2003. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility had no citizen complaints filed or Notices of Violations issued in the last two years. However, the facility was issued a Notice to Comply on 10/29/09 for not submitting a Quarterly Certification of Emission Reports (QCERs) by the required dates. The facility is currently operating in compliance with all applicable rules and regulations.

### **9. Compliance Certification**

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



# South Coast Air Quality Management District

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

## NOTICE OF PROPOSED TITLE V RENEWAL PERMIT

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

### **Press Forge Company**

7700 Jackson Street  
Paramount, CA 90723  
Facility ID# 136

#### *Contact Person:*

Mike Buxton  
General Manager  
7700 Jackson Street  
Paramount, CA 90723

This is an existing facility applying for a Title V permit renewal that is engaged in manufacturing of forge products. The facility operates several forge furnaces and other supporting equipment.

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

The proposed permit is available for public review at AQMD, 21865 Copley Drive, Diamond Bar, CA 91765 and at the Paramount Public Library, 16254 Colorado Ave., Paramount, CA 90723. Information regarding

the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Submit written comments to:

South Coast Air Quality Management District  
Mechanical, Chemical and Public Services Team  
21865 Copley Drive  
Diamond Bar, CA 91765-4178  
Attention: Manuel Quizon

Comments must be received by August 22, 2011. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Manuel Quizon at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. A public hearing request form and the public hearing schedule may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at <http://www.aqmd.gov/titlev>. The request for a public hearing is due by August 5, 2011. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

*ENGINEERING DIVISION*

**APPLICATION PROCESSING AND CALCULATIONS**

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PROCESSED BY M QUIZON	CHECKED BY

**PERMIT TO CONSTRUCT**

PRESS FORGE CO.  
7700 JACKSON ST.  
PARAMOUNT, CA 90723

**EQUIPMENT DESCRIPTION**

**APPLICATION NO. 523850**

DEVICE NO. D35, FURNACE, FORGE, NO. 1101, NATURAL GAS, 20.0  
MMBTU/HR, WITH 10 LOW NOX BURNERS, 2 MMBTU/HR EACH, ECLIPSE,  
MODEL NO. FN0200.

**APPLICATION NO. 523851**

TITLE V/RECLAIM FACILITY PERMIT REVISION APPLICATION.

**HISTORY**

Application No. 523850 was filed on 6/16/11 for permit to construct and operate a new forging furnace (Device No. D35).

Application No. 523851 was filed on 6/16/11 for a TITLE V/RECLAIM facility permit revision.

**PROCESS DESCRIPTION**

For process description, see the supplemental information submitted by the company's consultant.

## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

## ENGINEERING DIVISION

## APPLICATION PROCESSING AND CALCULATIONS

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**CALCULATION**

The installation of the new forging furnace will result in net emission increase for all criteria pollutants. For offset purposes, emissions will be calculated based on the monthly natural gas fuel usage limit of 6.0 mmcf.

Given:

- 1) Operating Schedule: 24 hrs/day, 7 days/wk, 52 wks/year
- 2) Furnace rating = 20.0 MMBTU/hr
- 3) Fuel usage = 8,333.33 ft<sup>3</sup>/hr (6,000,000 ft<sup>3</sup>/mo.)

The only emissions in this process are from the combustion of natural gas. Except for NOX emissions, emission factor from District Form B1 will be used to calculate emissions. NOX emissions will be calculated using the BACT and company's requested concentration limit of 50 ppmv @ 3% O<sub>2</sub> (64.1 lbs/10<sup>6</sup>- ft<sup>3</sup>). The company will be required to perform source test as required by Rule 2012.

$$\begin{aligned} \text{NOX} &= 64.1 \text{ lbs}/10^6 \text{ ft}^3 \times 8,333.33 \text{ ft}^3/\text{hr} = 0.53 \text{ lb/hr} \\ &= 0.53 \text{ lb/hr} \times 24 \text{ hrs/day} = 12.72 \text{ lbs/day} \\ &= 12.72 \text{ lbs/day} \times 7 \text{ days/wk} \times 52 \text{ wks/yr} = 4,630 \text{ lbs/yr} \\ \text{CO} &= 35 \text{ lbs}/10^6 \text{ ft}^3 \times 8,333.33 \text{ ft}^3/\text{hr} = 0.29 \text{ lb/hr} \\ &= 0.29 \text{ lb/hr} \times 24 \text{ hrs/day} = 6.96 \text{ lbs/day} \\ &= 6.96 \text{ lbs/day} \times 7 \text{ days/wk} \times 52 \text{ wks/yr} = 2,533 \text{ lbs/yr} \\ \text{PM}_{10} &= 7.5 \text{ lbs}/10^6 \text{ ft}^3 \times 8,333.33 \text{ ft}^3/\text{hr} = 0.06 \text{ lb/hr} \\ &= 0.06 \text{ lb/hr} \times 24 \text{ hrs/day} = 1.44 \text{ lbs/day} \\ &= 1.44 \text{ lbs/day} \times 7 \text{ days/wk} \times 52 \text{ wks/yr} = 524 \text{ lbs/yr} \\ \text{ROG} &= 7 \text{ lbs}/10^6 \text{ ft}^3 \times 8,333.33 \text{ ft}^3/\text{hr} = 0.06 \text{ lb/hr} \\ &= 0.06 \text{ lb/hr} \times 24 \text{ hrs/day} = 1.44 \text{ lbs/day} \\ &= 1.44 \text{ lbs/day} \times 7 \text{ days/wk} \times 52 \text{ wks/yr} = 524 \text{ lbs/yr} \\ \text{SOX} &= 0.6 \text{ lb}/10^6 \text{ ft}^3 \times 8,333.33 \text{ ft}^3/\text{hr} = 0 \text{ lb/hr} \end{aligned}$$

**MODELING:**

Modeling requirements are based on maximum hourly emissions. The maximum hourly emissions will be calculated to show compliance with modeling.

Given:

- 1) Furnace rating = 20.0 MMBTU/hr

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING DIVISION

APPLICATION PROCESSING AND CALCULATIONS

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2) Maximum fuel usage = 19,047.62 ft<sup>3</sup>/hr

CO = 35 lbs/10<sup>6</sup>- ft<sup>3</sup> x 19,047.62 ft<sup>3</sup>/hr = 0.6667 lb/hr

NOX = 64.1 lbs/10<sup>6</sup>- ft<sup>3</sup> x 19,047.62 ft<sup>3</sup>/hr = 1.221 lbs/hr

PM10 = 7.5 lbs/10<sup>6</sup>- ft<sup>3</sup> x 19,047.62 ft<sup>3</sup>/hr = 0.1429 lb/hr

**RULE EVALUATION**

**RULE 212 (c)(1):** This section requires a public notice for all new or modified permit units that emit air contaminants located within 1,000 feet from the outer boundary of a school.

No public notice is required since the nearest school from this facility is approximately 1,584 feet.

**(c)(2):** This section requires a public notice for all new or modified facilities that have on-site emission increases exceeding any of the daily maximums as specified by Rule 212(g).

The proposed project will result in emission increase for the entire facility. A Rule 212(c) (2) notice will not be triggered since the emission increase from this facility is below the daily maximum specified in Rule 212(g).

**(c)(3):** This section requires a public notice for all new or modified permit unit with increases in emissions of toxic air contaminants listed in Table I of Rule 1401 resulting in MICR greater than 1E-6 per permit unit or greater than 10E-6 per facility.

The proposed project will result in a minimal emission increase of toxic emissions associated with the operation. Therefore Public Notice is not required under this section of the rule.

**(g):** Project emissions < threshold.

**RULE 219** No exempt equipment in this project.

**RULE 401** No visible emission is expected with proper operation of the equipment.

**RULE 402** No nuisance is expected with proper operation of the equipment.

**RULE 404** Equipment is expected to operate in compliance.

**RULE 405** Equipment is expected to operate in compliance.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

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**REG XIII/XX** The revised version of Reg. XIII ( eff. 4/20/01 ) is applicable.

**OFFSET:** The installation of the furnaces will result in net emission increase for all criteria pollutants. The facility's PM10, ROG and SOX emissions are less than 4 tons/yr and therefore no emission offset is required. The facility's CO emissions are less than 29 tons/yr and therefore no offset is required. The increase in NOX emissions will be offset through the company's RECLAIM NOX allocation.

**BACT:** The furnace have LOW NOX burners with concentration limit of 50 ppmv at 3% O<sub>2</sub> which is BACT for this type of equipment.

**MODELING:** The NOX emission of 1.221 lbs/hr is less than the allowable emission of 1.26 lbs/hr, CO emission of 0.6667 lb/hr is less than the allowable emission of 69.3 lbs/hr and PM10 emission of 0.1429 lb/hr is less than the allowable emission of 7.6 lbs/hr for combustion sources on Table A-1 of Rule 1303.

**RULE 3000** As shown on the above evaluation, the installation of the furnaces will result in total emission increases of 6.96 lbs/day of CO, 1.44 lbs/day of PM10 and 1.44 lbs/day of ROG and 4,630 lbs/yr of NOX which is below the facility's starting allocation of 15,886 lbs/yr, therefore, the modification to the Title V permit is a de minimis significant permit revision.

**RECOMMENDATION**

Issue a permit to construct with conditions.



**Application for a Permit to Construct & Permit to Operate  
a 20.0 mmBTU/hr Forging Furnace**

**General Information:**

**Applicant:** Press Forge Company

**Mailing Address:** 7700 Jackson Street  
Paramount, CA 90723-5029

**Equipment Location:** 7700 Jackson Street  
Paramount, CA 90723-5029  
Please refer to Appendix A for a plot plan of the location.

**Process Description:** The proposed furnace will be used to forge special ferrous and non-ferrous metals to desired shapes or rolled rings as required by customer specifications.

**Operating Schedule:** Maximum - 24 hours per day  
7 days per week  
52 weeks per year

Typical - 24 hours per day  
7 days per week  
52 weeks per year

**Equipment List:**

Press Forge ID	Equipment Description
1101	Forging Furnace, 20.0 mmBTU/hr, with 10 Eclipse burners, Model Number FN0200, each at 2.0 mmBTU/hr, with a stack height of 12.5 feet and stack dimensions of 30" W x 42" L