

Permit with Introductory note

**The Pollution Prevention and Control Act 1999
The Environmental Permitting (England & Wales)
Regulations 2016**

Part B Permit for: **Blaenavon Forgings Ltd.
Forgeside
Blaenavon
Pontypool
Torfaen
NP4 9XG**

Permit Reference TCBC/EP B25/2

Address for Communication:

**Planning and Public Protection
Ty Blaen Torfaen
Panteg Way
New Inn
Pontypool
Torfaen
NP4 0LS**

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Introductory note

This introductory note does not form part of the Permit

This Permit authorises the operation of an activity listed in Part 2 to Schedule 1 of the Environmental Permitting (England and Wales) Regulations 2016 (S.I. 2016 / No.1154) [the EP Regulations] to the extent specified in the Permit and shall be treated as having been granted under Regulation 13(1) of those Regulations. It must not be taken to replace any responsibilities under The Health and Safety at Work (Etc.) Act 1974 and associated legislation.

Brief description of the installation

This is a combustion process where the gaseous products of the combustion are used for the direct heating of metal parts prior to their rolling, hammering or expanding (forging). The process locations are shown in Figure 1 in Schedule 1 to this Permit.

- **Large Rings and Small Rings Forges**

Furnaces are ducted directly into the large rings and small rings forge bays which are serviced by various local extraction ventilation.

Talking to us

To speak to an officer concerned with this permit please telephone Peter Oates on 01633 647290 or email peter.oates@torfaen.gov.uk.

In the event of an emergency occurring outside of normal office hours you should contact 01495 762200 and ask for the Emergency Officer.

Confidentiality

The Permit requires the Operator to provide information to the Council. The Council will place the information onto the public registers in accordance with the requirements of the EP Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Council to have such information withheld from the register as provided in the EP Regulations. To enable the Council to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations of the Permit

This Permit may be varied in the future in accordance with Regulation 20 of the EP Regulations. The Status Log within the Introductory Note to any such variation will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made in accordance with Regulation 24 of the EP Regulations.

Transfer of the Permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 21 of the EP Regulations. A transfer will be allowed unless the Council considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit.

Any change in the activities covered by this permit must be notified to the Council for approval prior to implementation.

Offences

Regulation 38 of the EP Regulations defines the offences that may arise as a result of non-compliance with the regulations or conditions contained within this permit. Regulation 39 details the penalties and enforcement undertakings for offences. You are advised to be familiar with this regulation.

Enforcement

If the conditions attached to this Permit are not adhered to, then an enforcement notice may be served upon the operator in accordance with Regulation 36 of the EP Regulations. This notice will specify the contraventions and the steps to be taken to remedy the situation. It is an offence not to comply with such an Enforcement Notice (see above).

Revocation

The Permit may be revoked at any time by the enforcing Local Authority in accordance with Regulations 22 & 23 of the EP Regulations. This will particularly be considered if fees are not paid or enforcement notices are not complied with, in accordance with Regulation 65(5).

Suspension

The Regulator has a duty to serve a suspension notice in accordance with Regulation 37 of the EP Regulations if it is considered that there is a risk of serious pollution to the environment, whether or not there has been a breach of the Permit.

Appeals

Any person who has been refused a Permit, is aggrieved by the conditions attached to the Permit, has been refused a variation of a Permit on application or has had a Permit revoked may appeal against the decision of the Regulator to the Welsh Ministers.

Powers of entry

Any duly authorised officer of the Regulator may enter premises to inspect activity at all reasonable times. On entry of the premises the officer also has powers to take any equipment or materials with him for which the power of entry is being exercised, to make such examination and investigation as may be necessary, to take such photographs, measurements or samples and seek any other assistance necessary to assist him in his duties.

Status Log

Detail	Date	Comment
Application Received	11 February 2019	Further Information Sought
Application Duly Made	12 April 2019	
Draft Permit Issued	15 April 2019	Agreed with Operator
Permit Issued	16 April 2019	
Variation for change of company name	03/10/2019	No variation application necessary

Permit**The Environmental Permitting (England & Wales) Regulations 2016****Permit**

Permit number: **TCBC/EP B25/2**

Torfaen County Borough Council (“the Regulator”) in exercise of its powers under Regulation 13 of the Environmental Permitting (England & Wales) Regulations 2016 (S.I. 2010 No. 1154), hereby permits

Blaenavon Forgings Ltd (“the operator”)

Of/whose Registered Office is

Blaenavon Forgings Ltd
Forgeside,
Blaenavon,
Pontypool,
Wales,
NP4 9XG

to operate an installation at

Blaenavon Forgings Ltd
Forgeside,
Blaenavon,
Pontypool,
Wales,
NP4 9XG

to the extent authorised by and subject to the conditions of this Permit.

Signed

Peter Oates: Senior Environmental Health Officer
Authorised to sign on behalf of Torfaen County Borough Council

Date

03 October 2019

The Permitted Installation

The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1

Table 1

Activity under Schedule 1 of the Regulations	Schedule 1 Activity Reference	Description of Specified Activity
Chapter 1 – Energy Activities	Section 1.1 – Combustion Activities	Part B (a ii) – Burning gas in furnaces with a combined net rated thermal input of over 20 megawatts for the direct heating of metal parts

Permit Conditions

Emission Limits and Controls

- 1 All emissions to air shall be free from offensive odour outside the process boundary as perceived by an Authorised Officer of Torfaen County Borough Council

The following *Table 2* shows the specified emission limits for the process.

Table 2

Row Number	Pollutant	Emission Limit Value mg/Nm ³
1	Oxides of Nitrogen (NO _x)	140 mg/m ³
2	Carbon Monoxide (CO)	No Limit ⁽¹⁾

(1) No ELV is applied for CO. As an indication, the CO emission level will generally be less than 100mg/Nm³

Other Emissions to Air

2. Emissions from the combustion process should, in normal operation be free from visible smoke.
3. During start-up and shut-down combustion emission of smoke should not exceed the equivalent of Ringlemann Shade 1.
4. All other releases to air other than condensed water vapour, including emissions from manual handling operations shall be free from persistent visible emissions.

Reporting and Abnormal Events

5. In the case of abnormal emissions, malfunction or breakdown leading to abnormal operating conditions or complaints about odour and / or smoke; the operator shall take the measures necessary to ensure that compliance is restored within the shortest possible time. This action should include but is not limited to:
 - a) Notify the regulator within 24 hours of receiving the information to agree the investigation of the issue;
 - b) Undertake the agreed investigation;
 - c) Adjust the process or activity to minimise those emissions;
 - d) Promptly record the events and actions taken;
 - e) Submit to the regulator the report and updates as agreed;
6. The operator should inform the regulator, without undue delay of any proposed changes to the plant which could affect the applicable emission limit values. This notification should be sufficiently in advance of those changes coming into effect for the regulator to make the necessary assessments with a view to varying the permit as appropriate.

_____END OF PERMIT CONDITIONS_____

References

1. Environmental Permitting Technical Note 1/1 (18). Reference document for combustion plant of 20 to 50 MW thermal capacity. DEFRA 2018
2. The Environmental Permitting (England and Wales) Regulations 2016.
A short guide to which can be downloaded here:
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/211852/pb13897-ep-core-guidance-130220.pdf
3. The Environmental Permitting (England and Wales) Regulations 2016, SI No. 1154.
<http://www.legislation.gov.uk/uksi/2016/1154/contents/made>

Please note that the Government is constantly updating legislation and the links to it. For the very latest information visit <http://www.gov.uk>

Address for Correspondence:

Mr Peter Oates
Senior Environmental Health Officer
Torfaen County Borough Council
Planning & Public Protection Service
Ty Blaen Torfaen
Panteg Way
New Inn
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NP4 0LS

Tel: 01633 647290

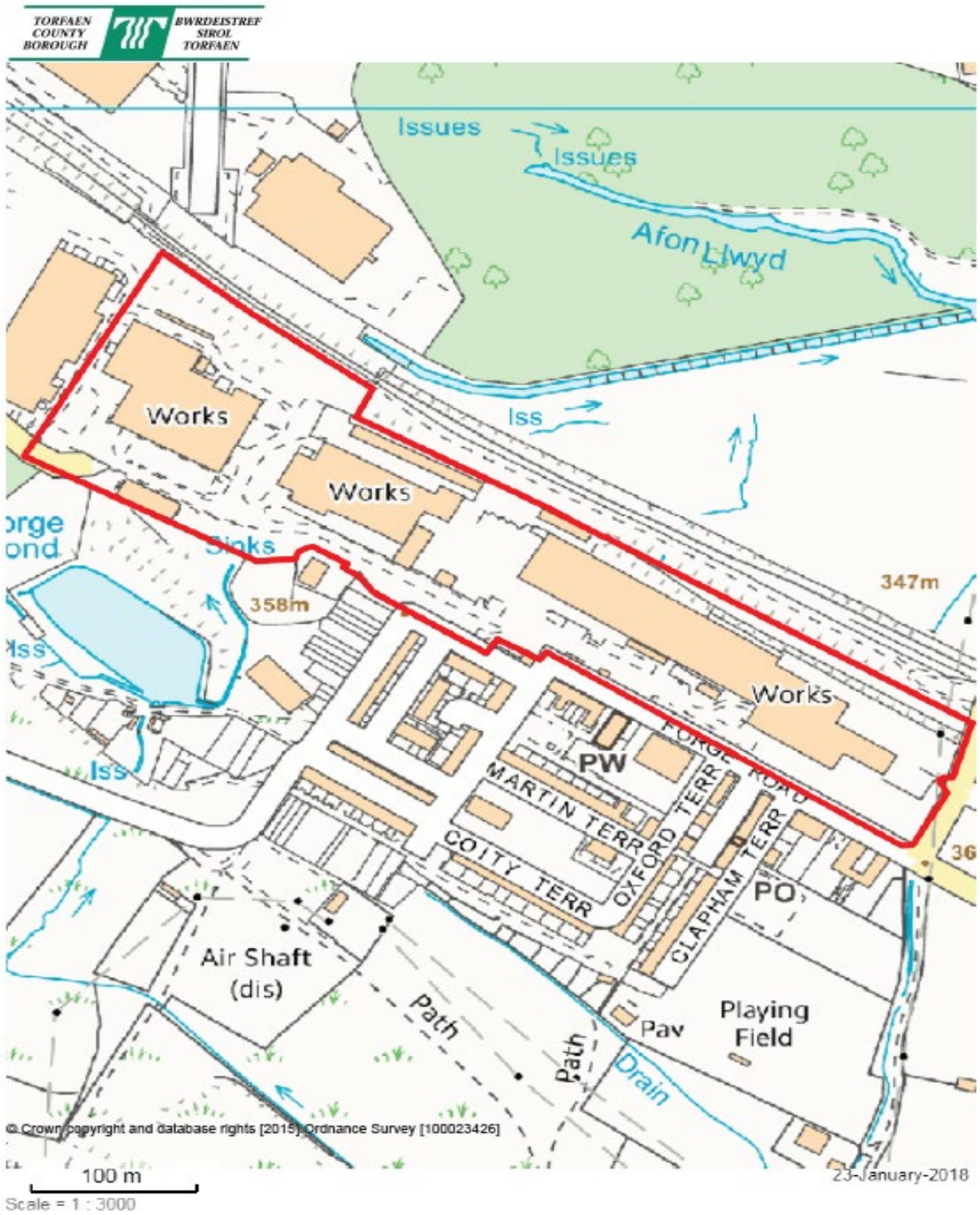
Email peter.oates@torfaen.gov.uk

Please quote **TCBC EP B25/2** in all correspondence

APPENDIX 1 - Definitions

“Regulator”	Torfaen County Borough Council, Planning and Public protection Department
“Operator”	Blaenavon Forgings Ltd
“Installation”	A stationary technical unit where one or more of the activities listed in Part 2 of Schedule 1 to the Environmental Permitting (England & Wales) Regulations 2016 are carried out, and, any other location on the same site where any other directly associated and technically connected activities are carried out which could have an effect on pollution.
“Activity”	An activity listed in Part 2 of Schedule 1 to the Environmental Permitting (England & Wales) Regulations 2016 and any other directly associated activity with a technical connection to the stationary technical unit which could have an effect on pollution.
“Pollution”	Emissions to air arising as a result of human activity which may be harmful to human health or the quality of the environment, cause offence to any human senses, result in damage to material property or impair or interfere with amenities and other legitimate uses of the environment.
“Pollutant”	Any substance or heat released to air as a consequence of a pollution event.
“Air”	Includes air within buildings and air within any other natural or man made structures above and below ground.
“Colourless”	Shall not be taken to mean white, grey or black emissions.
“Fume”	Particulate matter of less than 1 micron diameter, vapours and aerosols of colloidal particles that are visible, but excludes steam.
“Droplets”	Liquid fractions (larger than mist or fume), which are released from the rim of a stack or vent and precipitate from the emission plume within the locality of the emission source.
“Abnormal Emissions”	Any atmospheric emission outside the normal range of the installation when operating under routine conditions.
“Significant Emissions”	Any atmospheric emission visible more than 10 metres from the source
“Ringelmann Shade 1”	The meaning contained within British Standard BS2472: 1969
“Persistent”	A continuous or frequent emission or an emission remaining in the local environment as a consequence of poor dispersion.
“Inspection”	The physical examination of the installation and any associated records (written and electronic format), to assess compliance in respect of the permit.
“Monitoring”	A mechanism for assessing the performance of the process primarily from the volume and nature of the emissions in order to assess compliance with specified emission limit values contained within the permit.
“Visual Assessment”	A programme of routine visual observations and subsequent evaluation of the character of the emission
“Olfactory Assessment”	A routine programme of observation of any odour produced as a result of the process and subsequent identification of its cause if possible.
“Authorised Officer”	An officer authorised by Torfaen County Borough Council to implement the provisions of the Environmental Permitting (England & Wales) Regulations 2016

APPENDIX 2 - Site Plan

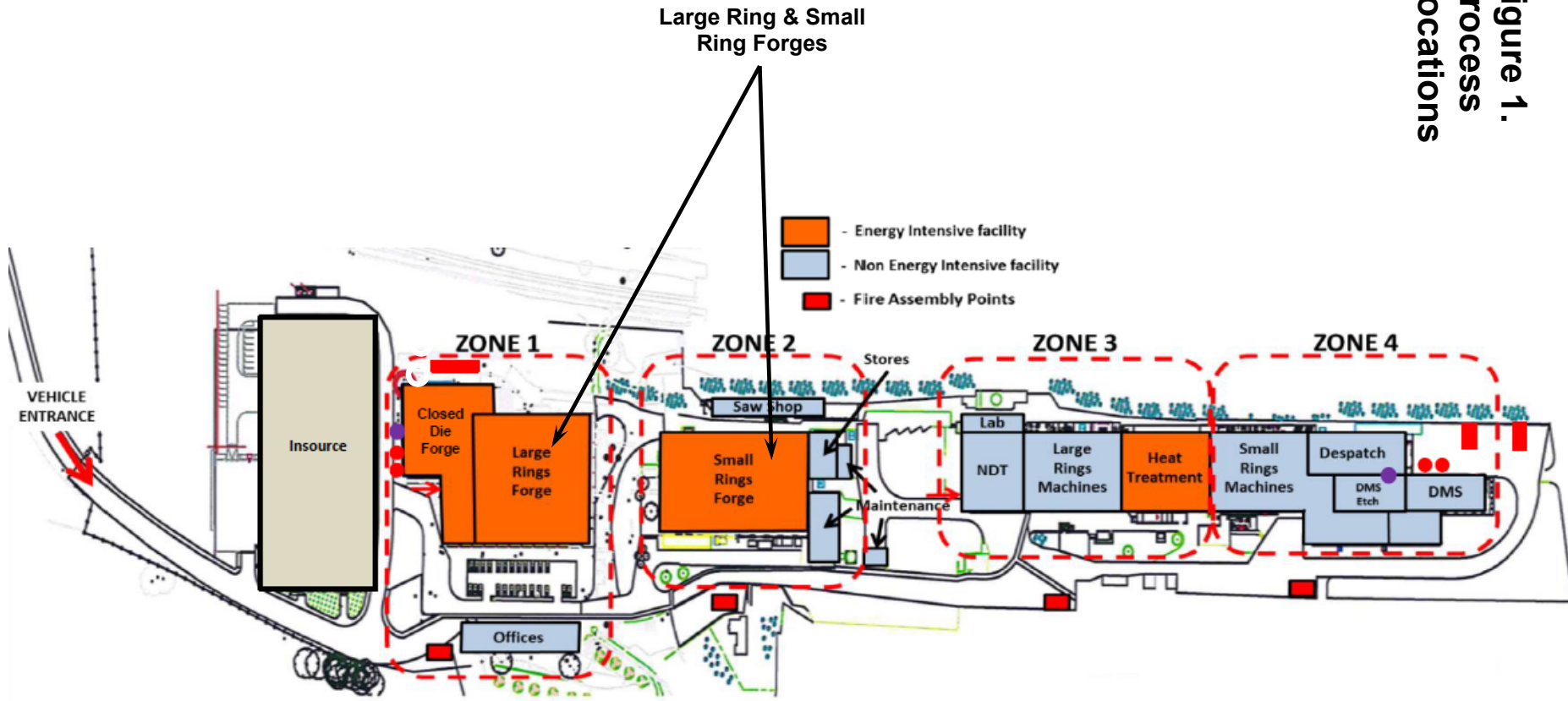


SHEDULE 1

Details of Furnaces and Capacity

Area	Furnace	Number of burners	Type of burner	Number of furnaces	kW per	Total kW
LR Forge	No 1	4	North american tempest - 4442-5	12	281	1124
	No 2	2	Hotworks HV 300		293	586
	No 3	4	Stordy - 20579 FR.GLV.S4B-116kw		116	464
	No 4	4	Stordy - 20579 FR.GLV.S4B-116kw		116	464
	No 13	4	Stordy - 20579 FR.GLV.S4B-116kw		116	464
	No 14	4	Stordy - 20579 FR.GLV.S4B-116kw		116	464
	No 15	4	North american tempest - 4442-5		281	1124
	No 16	2	Hotworks HV 400		586	1172
	No 21	2	Hotworks HV 400		586	1172
	No 22	2	Hotworks HV 400		586	1172
	No 24	4	Hotworks HV 400		586	2344
	FEA	4	North american tempest - 4442-5		281	1124
SR Forge	No 5	2	Hotworks HV 300	14	293	586
	No 6	2	Hotworks HV 300		293	586
	No 7	2	Hotworks HV 300		293	586
	No 8	2	Hotworks HV 300		293	586
	No 9	2	Hotworks HV 300		293	586
	No 10	2	Hotworks HV 300		293	586
	No 11	2	Hotworks HV 300		293	586
	No 12	2	Hotworks HV 300		293	586
	No 17	2	Hotworks 10 therm		293	586
	No 18	2	Hotworks 10 therm		293	586
	No 19	2	Hotworks 8th MJ		232	464
	No 25	4	Stordy - NMG 215		111	444
	No 26	6	3 off Stordy - NMG 215 & 3 off five north american 785132 SNM 82		111	666
	No 27	2	North american tempest - 4442-6		440	880
Heat Treatment	Fuel 1	4	North american tempest - 4442-5	6	281	1124
	Fuel 2	4	Hotworks HV 300		293	1172
	Fuel 3	2	Hotworks HV 400		586	1172
	FEA	4	North american tempest - 4442-5		281	1124
	RB 1	4	North american tempest - 4442-5		281	1124
	EFCO	Electric	Thyristor controlled		N/A	150
Closed Die Forge	Crank Press	Electric	Thyristor controlled	5	N/A	200
	Upsetter 1	Electric	Thyristor controlled		N/A	200
	Upsetter 2	Electric	Thyristor controlled		N/A	168
	Weingarten 1 (Old)	Electric	Thyristor controlled		N/A	200
	Weingarten 2 (New)	Electric	Thyristor controlled		N/A	450
				TOTAL SITE kW rating	27,072	
				TOTAL GAS FIRED kW rating	25,704	
				TOTAL ELECTRICAL kW rating	1,368	

**Figure 1.
Process
Locations**



Closed Die Forge:

Heating in Electric Furnaces prior to Forging of metal parts, i.e. Blades. Shortblasting processes. Water Jet cutting process. Grinding processes with wet LEV. Surface Treatment using Chemicals, as per Part B Permit TCBC/EP B25.

Large & Small Rings Forge:

Heating in Gas Fired Furnaces prior to pressing of metal parts, i.e. Rings. Ring Rolling, Expanding and Hammering processes. *Combustion Activities Permit being applied for, for this process.*

NDT/Lab:

Inspection & testing of parts and test pieces.

Large/Small Rings Machines:

Machining of Rings.

DMS:

Hand Polishing and Linishing of finished Blades with wet LEV.

Heat Treatn

Annealing at of all parts using Electric Furnaces.

Despatch:

Packing & shipping of all parts.

DMS Etch:

Surface Treatment using Chemicals, as per Part B Permit TCBC/EP B25.