



**Part B Application Form
Application for a Permit
Pollution Prevention and Control Act, 1999
Environmental Permitting (England and Wales) Regulations 2010**

INTRODUCTION

1. When to use this form

This regime is known as Local Authority Pollution Prevention and Control, **LAPPC**. Installations permitted under this regime are known as **Part B** installations. Use this form if you are sending an application for a 'Part B' permit to Coventry City Council under the Environmental Permitting Regulations 2010 ("the EP Regulations").

2. Before you start to fill in this form

You are strongly advised to read relevant parts of the Defra general guidance manual issued for LAPPC, republished in 2010 and available at:

<http://www.defra.gov.uk/environment/quality/pollution/ppc/localauth/pubs/guidance/manuals.htm>. This contains a list of other documents you may need to refer to when you are preparing your application, and explains some of the technical terms used. You will also need to read the relevant Process Guidance ("PG") Note for your process: <http://www.defra.gov.uk/environment/quality/pollution/ppc/localauth/pubs/guidance/notes/pgnotes/>. The EP Regulations can be obtained from the link: <http://www.legislation.gov.uk/ukxi/2010/675/contents/made>

3. Which parts of the form to fill in

You should fill in as much of this form as possible. The appropriate fee must be enclosed with the application to enable it to be processed further. When completed return to:

**Environmental Protection, Coventry City Council
Room 314 Broadgate House, Broadgate
Coventry CV1 1NH**

4. Other documents you may need to submit

There are a number of other documents you may need to send us with your application. Each time a request for a document is made in the application form you will need to record a document reference number for the document or documents that you are submitting in the space provided on the form for this purpose. Please also mark the document(s) clearly with this reference number and the application reference number (if you have been given one, it will be at the top of the form overleaf). If you do not have either of these, please use the name of the installation.

5. Using continuation sheets

In the case of the questions on the application form itself, please use a continuation sheet if you need extra space; but please indicate clearly on the form that you have done so by stating a document reference number for that continuation sheet. Please also mark the continuation sheet itself clearly with the information referred to above.

6. Copies

Please send the original and **three** copies of the form and all other supporting material, to assist consultation.

7. If you need help and advice

We have made the application form as straightforward as possible, but please get in touch with Environmental Protection on 0500 834333 or email env.protection@coventry.gov.uk if you need any advice on how to set out the information we need.

Application For An Environmental Permit Part B

* required information

Section 1 of 11		
Your reference	<input style="width: 100%;" type="text"/>	
Are you an agent acting on behalf of the applicant	<input style="width: 100%;" type="text" value="NO"/>	
Tick 'no' if you are applying on your own behalf or on behalf of a business you own or work for.		
Applicant details:		
*First name	<input style="width: 100%;" type="text" value="Sanjay"/>	
*Family name	<input style="width: 100%;" type="text" value="Sarna"/>	
*E-mail	<input style="width: 100%;" type="text" value="sanjay.sarna@federalmogul.com"/>	
Main telephone number (Include country codes)	<input style="width: 100%;" type="text" value="+44 2476 584528"/>	
Other telephone number (Include country codes)	<input style="width: 100%;" type="text" value="+44 7771821996"/>	
Indicate here if you would prefer not be contacted by telephone	<input style="width: 50px;" type="checkbox"/>	
Are you:		
Applying as a business or organisation, including a sole trader	<input type="checkbox" value="YES"/>	<input type="checkbox"/>
Applying as an individual	<input type="checkbox"/>	<input type="checkbox" value="NO"/>
A sole trader is a business owned by one person without any special legal structure. Applying as an individual means you are applying so you can be employed, or for some other personal reason, such as following a hobby.		
Applicant Business		
*Is your business registered in the UK with Companies House?	<input type="checkbox" value="YES"/>	<input type="checkbox"/>
*Is your business registered outside the UK?	<input type="checkbox"/>	<input type="checkbox" value="NO"/>
*Business name	<input style="width: 100%;" type="text" value="Federal Mogul Sintered Products Ltd"/>	If your business is registered, use it's registered name Put "none" if you are not registered for VAT
*VAT number	<input style="width: 100%;" type="text" value="-GB-145-2609-76"/>	
*Legal status	<input style="width: 100%;" type="text"/>	
*Your position in the business	<input style="width: 100%;" type="text" value="Manufacturing Engineering Manager"/>	
Home country	<input style="width: 100%;" type="text" value="United States"/>	The country where the headquarters of your business is located
Business Address		
*Building number or name	<input style="width: 100%;" type="text" value="Federal Mogul Sintered Products"/>	If you have one, this should be your official address – that is an address required of you by law for receiving communications
*Street	<input style="width: 100%;" type="text" value="Holbrook Lane"/>	
District	<input style="width: 100%;" type="text" value="Holbrooks"/>	

	<input type="text"/>
*City or town	<input type="text" value="Coventry"/>
County	<input type="text" value="West Midlands"/>
*Postcode	<input type="text" value="CV6 4BG"/>
*Country	<input type="text" value="UK"/>

Section 2 of 11

APPLICANT DETAILS

*Name of installation

Please give the address of the site of the installation

*Building number or name

*Street

District

*City or town

County

*Postcode

*Country

Telephone number

Ordnance Survey national grid reference 8 characters, for example SJ123456

Please give details of any existing LAPC or IPC authorisation for the installation, or any waste management licences or water discharge consents, excluding reference numbers(s) and type(s)
 To be determined, water will be used on a closed loop system as part of the water atomisation of metal powder. Quantity and exact composition is to be determined, and therefore requirement for discharge to be determined. See Permit Appendices.pptx- Attached for detail of Federal Moguls' Scrap merchant who will be responsible for removing dross/slag from the site

Section 3 of 11

THE OPERATOR

Please provide the information requested about the "Operator", which means the person who it is proposed will have control over the installation in accordance with the permit (if granted)

Full name of company, partnership or corporate body

Trading/business name (if different from above)

Registered Address

Is this address the same as the address given in section 1?

YES	
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If "no" enter address below:

Building number or name

Street

District

City or town

County

Postcode

Country

Principal Office Address

Is the principal address the same as the registered address?

YES	
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If "no" enter address below:

Building number or name

Street

District

City or town

County

Postcode

Holding Companies

Is the operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006?

	NO
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Section 1 of 11

ABOUT THE INSTALLATION

Please state below details of all the current activities in operation at the whole installation. Please identify all activities listed in Schedule 1 to the EP regulations that are, or are proposed, to be carried out in the stationary technical unit of the installation.

Material development unit for the atomisation of metal powder.

Please identify any directly associated activities that are, or are proposed, to be carried out on the same site which:

- Have a technical connection with the activities in the stationary technical unit
- Could have an effect on pollution

Subsequent steps in the proposed process will be dewater, dry, sieve, anneal, size, sieve, blend.

See Permit Appendices.pptx for more detail about emissions

Please quote the chapter number, section number, then paragraph and sub-paragraph number as shown in Part 2 of schedule 1 to the EP regulations (for example, manufacturing glass and glass fibre where the use of lead or any lead compound is involved, would be listed as chapter 3, section 3.3, part B(b))

*Activities in the stationary technical unit
Chapter 2, Section 2.1, Part B, (a) (b) & (d)*

The manufacture of steel powder using ferrous alloys in induction furnaces which emit to atmosphere
*Directly associated activities, dewater, dry, sieve, anneal, size, sieve, blend.
No EP requirement*

Schedule 1 reference

Part 2 Activities, Chapter 2
Production and processing of
metals, Section 2.1 Ferrous
Metals, Part B(b)(i)

Why is the application being made?

The installation is new

The installation is existing, but changes to the installation or to the EP regulations means that an LAPPC part B permit is now required

Site Maps

Please provide a suitable map showing the location of the installation, clearly defining the chimney location and oil storage tank

Document reference

Permit Appendices.pptx- Attached

Please provide a suitable plan showing the layout of activities on the site, including bulk storage of materials, waste storage areas and external emission points to atmosphere

Document reference

Permit Appendices.pptx- Attached

Section 5 of 11

THE INSTALLATION

Please provide information about the aspects of your installation. We need this information to determine whether you will operate the installation in a way in which the environmental requirements of the EP Regulations are met.

Installation of material development facility which will take virgin material in ingot form, for smelting, atomising, annealing and grinding. The facility will be operated by 4 people, and will run on shifts covering 24 hours. The equipment will be installed into an existing building.

Describe the proposed installation and activities and identify the foreseeable emissions to air from each stage of the process (this will include any foreseeable emissions during start up, shut down and any breakdown/abnormal operation)

See Permit Appendices.pptx for more detail about emissions

The use of flow diagrams may aid to simplify the operations.

The location of the MDF is shown in the attached document "Permit Appendices.pptx", which also details the production steps and extraction points in the area.

The process manufactures tool steel powder using a melting and atomizing process. When in powder form it is transferred between processes in IBC's or steel trays. The powder will be enclosed for the majority of the process, but where it is possible for dust emissions from dry powder to escape, extraction units will be installed to contain the dust (see "FM Layout Detail" page 7).

The steel powder is produced by melting the raw materials (see "FM Layout Detail" page 8) in an induction furnace. All raw materials are stored inside at ambient temperature. Metal is melted in either the 300kg furnace or the 50kg furnace and raised to the required temperature where fumes from the melting metal will be given off; measuring of this will be carried out when the equipment is functioning; the external emissions points have been identified for this and measures will be carried out (see "FM Layout Detail" page 6). The metal is then poured into a methane preheated tundish; the tundish casings will be fabricated from mild steel to house a tundish crucible and are designed to be lined with a castable ceramic material. From the tundish the molten metal flows in a controlled stream into the high pressure water jets within the purged atomiser vessel; it is likely that hydrogen and nitrogen gas will be expelled at this point. See Permit Appendices.pptx for more detail about emissions

The resulting slurry is pumped continuously by the slurry pump to the water separation part of the system (centrifuge). 'Dirty warm' water is transferred from the centrifuge to a head tank via a filter and heat exchanger; it can then be recycled back through the system. Once dewatered the product can be lifted out of the centrifuge and transferred to the double cone drying system.

From the drying system the product is then transferred to the screening system where particles over 180-250 microns are screened out and the powder is loaded into suitable sized drums with a dispensing valve; this is an enclosed process. The drums of powder will then have a small amount of carbon added (<1kg) and blended in a contained unit. Any fumes that could be given off will be collected by the nearby extraction unit.

At the dispensing station, dry powder is dispensed into open steel trays, which will cause dust to be emitted. An extraction unit will be present at this location to remove any dust from the air. The steel trays will be coated with a stable silicon based release coating (coated by an external contractor) which is not thought to emit any fumes during use.

The trays are loaded in batches into a nitrogen purged vacuum furnace which heats the powder above 1000°C. The gases from this process are vented out into the atmosphere as indicated in the attached document.

When the powder is taken out of the furnace it is in a solid form and must then be sized to bring it back to the fine powder form. In the pre-crushing process dry powder dust will be emitted upon exit from the machine, therefore an extraction unit will be present. Classifying will follow this to reduce the size of the powder, however this is a closed process with no leakage points.

The final process will be dispensing the sized powder through a screening system where particles over 180-250 microns are screened out and into a bulk bag for transfer onto the next manufacturing stage or storage. As dust may be created at this point, an extraction unit will be present.

Section 6 of 11

IMPACT ON THE ENVIRONMENT

Provide an assessment of the potential significant local environmental effects of the foreseeable emissions (e.g. is there a history of complaints and/or is the installation in an air quality management area?)

Emissions data will be measured and recorded when the plant is functional.

See Permit Appendices.pptx for more detail

Are there any Sites of Special Scientific Interest (SSIs) or European protected sites which are within either;

- 2 kilometres – for an installation which includes part B combustion, incineration (but not crematoria), iron and steel and non-ferrous metal activities
- 1 kilometre – for part B mineral activities and cement and lime activities
- ½ a kilometre – for all other part B activities

	NO
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Section 7 of 11

ENVIRONMENTAL STATEMENTS

Has an environmental impact assessment been carried out under The Town and Country Planning (Environmental Impact Assessment) (England and Wales) Regulations 1999/293, for any other reason with respect to the installation?

	NO
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Section 8 of 11

ADDITIONAL INFORMATION

Please supply any additional information which you would like us to take account of in considering this application.

Section 9 of 11

ANNUAL CHARGES

If we grant you a permit, you will be required to pay an annual subsistence charge, failure to do so will result in revocation of your permit and you will be not be able to operate your installation

Please provide details of the address you wish invoices to be sent to and details of someone we may contact about fees and charges within your finance section

Contact name	Kath Seabourne
Building number or name	Federal-Mogul
Street	Holbrook Lane
District	Holbrooks
City or Town	Coventry
County	West Midlands
Postcode	CV6 4BG
Telephone number	02476689014
Other telephone number	
Please give company purchase order number or any other reference number	

COMMERCIAL CONFIDENTIALITY

Is there any information in the application that you wish to justify being kept from the public register on the grounds of commercial confidentiality?

	NO
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Please provide full justification, considering the definition of commercial confidentiality within the PPC Regulations

Is there any information in the application that you believe should be kept from the public register on the grounds of national security?

	NO
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Please provide full justification, considering the definition of commercial confidentiality within the PPC Regulations

The information you give will be used by the local authority to process your application. It will be placed on the relevant public register and used to monitor compliance with the permit conditions. We may also use and or disclose any of the information you give us in order to;

- Consult with the public, public bodies and other organisations
- Carry out statistical analysis, research and development on environmental issues.
- Provide public register information to enquirers
- Make sure you keep to the conditions of your permit and deal with any matters relating to your permit

- Prevent breaches of environmental law
- Offer you documents or services relating to environmental matters
- Respond to requests for information under the Freedom of Information Act 2000 and the Environmental Regulations 2004 (if the data Protection Act allows)
- Asses customer service satisfaction and improve our service

We may pass on the information to agents/representatives who we ask to do any of these things on our behalf. It is an offence under regulation 38 of the EP regulations, for the purpose of obtaining a permit (for yourself or anyone else) to:

- Make a false statement which you know to be false or misleading in a material particular
- Recklessly make a statement which is false or misleading in a material particular

Section 11 of 11

PAYMENT DETAILS

This fee must be paid to the authority.

* Fee Amount

Postal Address

Building number or name

Street

District

City or Town

County

DECLARATION

This section should be completed by the applicant, unless you answered "Yes" to the question "Are you an agent acting on behalf of the applicant?"

I/We certify:

No offences have been committed in the previous five years which are relevant to my/our competence to operate this installation in accordance with the EP Regulations (delete as appropriate*)

* Full name

* Capacity

Date (dd/mm/yyyy)