

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Cabot Carbon Limited

Barry Silicon Based Manufacturing
Installation
Sully Moors Road
Sully
Vale of Glamorgan
CF64 5RP

Variation application number
EPR/BU2110IS/V006

Permit number
EPR/BU2110IS

Barry Silicon Based Manufacturing Installation

Permit number EPR/BU2110IS

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

Schedule 1 to the Environmental Permitting Regulations has been updated by the Environmental Permitting (England and Wales) (Amendment) Regulations 2013 to reflect the implementation of the Industrial Emissions Directive into England and Wales. This variation implements the changes made to Schedule 1 of the Regulations into Table 1.1.1 of the permit. Table 1.1.1 specifies the activities authorised by the permit.

The schedules to this variation specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application BU2110IS received	17/08/05	
Further information requests	09/09/05, 22/09/05, 12/01/06, 16/01/06, 19/01/06, 10/03/06	Responses dated: 14/10/05, 26/10/05, 18/11/05, 23/11/05, 12/12/05, 19/12/05, 13/01/06, 09/02/06, 16/03/06
Request to extend determination	14/12/05	Request accepted 19/12/05
Permit determined	31/03/06	
Application RP3137UZ	Duly made 18/10/07	
Further information request	06/11/07	Response dated 08/11/07
Variation notice RP3137UZ issued	21/11/07	
Application EPR/BU2110IS/V003	Duly made 22/09/08	
Further information request	22/09/08, 13/10/08, 05/11/07	01/10/08, 18/11/07
Variation notice EPR/BU2110IS/V003 issued	22/12/08	
Application EPR/BU2110IS/V004	28/06/10	
Variation notice EPR/BU2110IS/V004 issued	07/07/10	

Status log of the permit		
Description	Date	Comments
Application EPR/BU2110IS/V005	Duly made 18/05/11	
Further information request	07/07/11	Response dated 22/07/11
Further information request	14/09/11	Response dated 22/09/11
Variation notice EPR/BU2110IS/V005 issued	23/11/11	
Agency variation determined EPR/BU2110IS/V006	04/03/13	Agency variation to implement the changes introduced by IED

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
Dow Corning Limited	BR9685IX	06/06/06
Npower Cogen Limited	BX4135IJ	30/06/06
Vopak Terminal Windmill Limited	KP3734SH	01/06/06

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/BU2110IS

issued to:
Cabot Carbon Limited ("the operator")

whose registered office is

Finance Department
Sully Moors Road
Sully
Penarth
Vale of Glamorgan
CF64 5RP

company registration number **00462857**

to operate a regulated facility at

Barry Silicon Based Manufacturing Installation
Sully Moors Road
Sully
Vale of Glamorgan
CF64 5RP

to the extent set out in the schedules.

The notice shall take effect from 04/03/2013.

Name

Date

Damien Matthias

04/03/2013

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as detailed, following an Environment Agency initiated variation

- Table 1.1.1 is amended to reflect the changes to Schedule 1 of the Environmental Permitting Regulations introduced by the Industrial Emissions Directive. The table now reads:

Table 1.1.1 activities		
Activity listed in Schedule 1 of the EP Regulations / Associated Activity	Description of specified activity and WFD Annex I and II operations	Limits of specified activity
Section 4.2 A(1)(a)(v) – Producing inorganic chemicals such as non-metals, metal oxides, metal carbonyls or other inorganic compounds such as calcium carbide, silicon, silicon carbide, titanium dioxide.	'A' train chlorosilane burner and associated plant.	This definition covers the entire fumed silica production plant, including but not limited to, receipt and storage of raw materials, chlorosilane vapourisers, calciners, chlorine abatement plant, acid recovery plant, refrigeration plant, cooling system, utilities, all storage, warehousing and packaging and dispatch of finished products, and emission of non-combustion gases.
Section 4.2 A(1)(a)(v) – Producing inorganic chemicals such as non-metals, metal oxides, metal carbonyls or other inorganic compounds such as calcium carbide, silicon, silicon carbide, titanium dioxide.	'B' train chlorosilane burner and associated plant.	This definition covers the entire fumed silica production plant, including but not limited to, receipt and storage of raw materials, chlorosilane vapourisers, calciners, chlorine abatement plant, acid recovery plant, refrigeration plant, cooling system, utilities, all storage, warehousing and packaging and dispatch of finished products, and emission of non-combustion gases.
Section 4.2 A(1)(a)(i) – Producing inorganic chemicals such as gases such as ammonia, hydrogen chloride, hydrogen fluoride, hydrogen cyanide, hydrogen sulphide, oxides of carbon, sulphur compounds, oxides of nitrogen, hydrogen, oxides of sulphur, phosgene.	Natural gas steam reformer for hydrogen production.	Receipt of fuel to production and storage of hydrogen, associated cooling system, steam recovery and emission of combustion gases.

Table 1.1.1 activities		
Activity listed in Schedule 1 of the EP Regulations / Associated Activity	Description of specified activity and WFD Annex I and II operations	Limits of specified activity
Section 5.4 A(1) (a)(ii) – Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by physico-chemical treatment.	Katalco unit.	Effluent (process wastewater) pre-treatment plant.
Directly Associated Activity		
Treated silica production.	Treatment of fumed silica with silicone (polydimethylsiloxane), product storage and bagging, and emissions from the process.	
Gas fired steam generation plant, <20MWth input.	Production of steam for site and emission of combustion gases.	
Storage tank farm.	Storage of NaOH, HCl and waste water.	
Water demineralisation and softening plant.	Production of demineralised and softened water for site boilers and production process.	
Cooling water system.	Provision of water for cooling, including water treatment process.	
Waste storage and disposal.	Storage of hazardous and non-hazardous waste for off-site disposal.	
Effluent drainage system.	Surface water runoff from the site, effluent transfer to Dow Corning and discharge to sewer.	
Nitrogen generation plant.	Production of process nitrogen for the production processes.	

Schedule 3 – conditions to be added

None