Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

PPG Industries (UK) Ltd

PPG Fibre Glass Wigan
Leigh Road
Hindley Green
Wigan
WN2 4XZ

Variation application number

EPR/BR5213IG/V003

Permit number

EPR/BR5213IG

PPG Fibre Glass Wigan
Permit number EPR/BR5213IG

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.

The main purpose of the activity at the installation is the manufacture of continuous filament glass fibre. This minor technical variation consolidates changes that have occurred on the site since the original permit was granted in 2003.

The main changes to the activities carried out at the installation are the result of a simplification of the product range at the site from four products down to one with a reduction in downstream process equipments and emission point sources.

The variation serves to:

i. Update the operational control techniques
ii. Update the management techniques and control
iii. Update of emissions to air following a minor operational change
iv. Removal of mercury limit from effluent discharge.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions, Schedule 3 lists any conditions and associated schedules that have been added.

The schedules 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 received	Duly made 29/07/02	Application for manufacture of continuous monofilament glass fibre; Section 3.3 A(1)(a)
Additional information received	12/12/02	Schedule 4 Notice 01
Permit determined BR5213	01/04/03	Original permit issued to PPG Industries (UK) Ltd
Partial Surrender application EPR/ BR5213/V002	Duly Made 18/08/04	Issued 25/08/04
Variation application EPR/BR5213IG/V003	Duly made 02/10/12	Application to vary the permit.
Variation determined EPR/BR5213IG/V003	24/10/12	Varied permit issued.

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/BR5213IG

issued to:
PPG Industries (UK) Ltd ("the Operator"),

Whose registered office is

PO Box 162
Needham Road
Stowmarket
IP14 2ZR

Company registration number **2110620**

to operate a regulated facility at

PPG Fibre Glass Wigan
Leigh Road
Hindley Green
Wigan
WN2 4XZ

to the extent set out in the schedules.

The notice shall take effect from 24/10/12

Name	Date
M Bischer	**24/10/2012**

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 a result of the application made by the operator

1. The permitted installation

Table 1.1.1 as referred to in condition 1.1.1 is amended as follows.

Table 1.1.1

Activity under Schedule 1 of the Regulations/ Associated Activity	Description of specified activity	Limits of specified activity
Manufacture of continuous monofilament glass fibre; **Section 3.3 A(1)(a)**	The operation of two melting furnaces and associated equipment comprising raw material batch hoppers, burners, oxygen storage, binder preparation and storage, fibre drawing and coating.	From the input to the feed systems (batch hoppers, burners, oxygen storage and binder storage) to the output of the glass coating system. Oxygen manufacture is excluded.
Directly associated activities	Bulk raw material and diesel storage	From point of collection on site to the input of the batch hoppers or burners
	Product drying in various ovens	From coating system to input of product storage. Product storage is excluded.
	Water discharges to trade effluent sewers	From installation to point of entry to sewer
	Water discharges to controlled waters	From installation to point of entry to controlled waters
	Waste handling	From installation to point of exit from site
	Cryogenic Oxygen Plant	From intake of air to supply of oxygen to furnace.

2.1 Management Techniques and Control

Table 2.1.1 as referred to in condition 2.1.1 is amended as follows.

Table 2.1.1: Management and control

Description	Parts	Date Received
Application	The response to question 2.1 given in section 2.1 of the application	29/07/02
Application EPR/BR5213IG/V003	Part C2, response to questions 2b.	03/10/12
Application EPR/BR5213IG/V003	Supporting information provided within 'PPG Application to vary permit BR5213IG' 1.2 Management Techniques	03/10/12

2.3 Operating Techniques

Table 2.3.1 as referred to in condition 2.3.1 is amended as follows.

Table 2.3.1: Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.3 given in section 2.3 of the application	29/07/02
Response to Schedule 4 Part 1 Notice 01	Response to items 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.11	12/12/02
Application EPR/BR5213IG/V003	Part C2, response to questions 2b.	03/10/12
Application EPR/BR5213IG/V003	Supporting information provided within 'PPG Application to vary permit BR5213IG' 1.1 Non-Technical summary	03/10/12

6.1 Emissions to Air

Table 6.1.1 as referred to in condition 6.1.1 is amended as follows.

Table 6.1.1: Emission points into air

Emission Point Reference	Source	Location of Emission Point
A1	Furnace 501	Furnace 501 36m main stack
A2	Furnace 502	Furnace 502 47m main stack
A3, A6 - A8, A10 - A16	Refiner and forehearth zones of both furnaces	11 total stacks of Refiner and forehearth zones of both furnaces
A20-21, A31-A33	Di- Electric Drying Areas	5 total stacks of Drying areas
A17–A19, A22-A30, A34– A36	Binder preparation and Drying areas (excluding vents releasing solely combustion products)	15 total stacks of Binder preparation and Drying areas

6.4 Emissions to Sewer

Table 6.4.2 as referred to in condition 6.4.2 is amended as follows.

Table 6.4.2 Emission limits into sewer

Parameter	Emission Point S1
None	-

Table 6.4.4 as referred to in condition 6.4.4 is amended as follows.

Table 6.4.4 Annual mass emission limit

Substance	Annual limit (kg)
None	-

Table S2: Reporting of monitoring data as referred to in Schedule 2 is amended as follows.

Table S2: Reporting of monitoring data

Parameter	Emission Point	Monitoring Method	Reporting period	First period ends	Form number
Particulates	A1, A2	A	3 months	30/06/03	S3/A/3
Particulates	A1, A2, A3, A6-A8, A10-A16 A17 – A36	B	12 months	31/12/03	S3/A/3 S3/A/2 S3/A/2
Fluorides as HF	A1, A2, A3, A6-A8, A10-A16	C,G	3 months	30/06/03	S3/A/1 S3/A/2
Oxides of nitrogen	A1, A2	D	3 months	30/06/03	S3/A/1
Sulphur dioxide	A1, A2	D	3 months	30/06/03	S3/A/1
VOCs	A17 – A36	E	12 months	31/12/03	S3/A/1
Mercury	-	-	-	-	-
Metals and their compounds	A1, A2	B	12 months	31/12/03	S3/A/3

Table S2.1: Reporting of monitoring data as referred to in Schedule 2 is amended as follows.

Table S2.1: Monitoring Method

Monitoring Method	Frequency of analysis	Description
A	Continuous	In-stack or similar suitable technique reporting results as hourly average.
B	Annually	BCURA or equivalent technique for (as appropriate): • emission points A1 and A2; and • 4 representative emission points from group A3 – A16 to include one refiner and one forehearth of each furnace; and • 4 representative emission points from group A17 – A36 to include 4 dryers
C	Monthly	Subject to Improvement Item 9.2, mass balance or suitable alternative
D	Monthly	Spot sampling using a portable analyser or suitable equivalent
E	Annually	Spot sampling on 6 randomly selected emission points using extractive techniques or suitable equivalent
G	3 Monthly	Subject to Improvement Item 9.2, spot sampling using an extractive technique to a recognised method for emission points A1 and A2 and 4 representative emission points from one refiner and one forehearth of each furnace.

9.1.1 Improvement Programme

Table 9.1.1: Improvement programme requirements

Reference	Requirement	Date
9.1	The Operator shall provide a summary report to the Environment Agency on the alternative techniques for monitoring NOx emissions from the process. The report shall include: • recommendations for the most appropriate technique; and • timescales for its incorporation into the process.	Completed
9.2	The Operator shall provide a summary report to the Environment Agency on the evaluation of the extractive measurement techniques for the measurement of fluorides from the process. The report shall include: • comparison with mass balance derived emissions from the process; • recommendations for the most appropriate technique; and • timescales for its incorporation into the process.	Completed
9.3	The Operator shall replace the existing borehole adjacent the diesel storage area with one that is constructed in accordance with British Standard Codes of Practice for groundwater sampling and monitoring devices.	Completed
9.4	The Operator shall install noise suppression devices to the OSI air wash unit	Completed
9.5	The Operator shall submit, to the Environment Agency in writing, the results of two noise surveys; one when furnace 501 is off line; the second when the furnace is recommissioned (furnace 502 remaining on-line throughout).	Completed
9.6	The Operator shall carry out a full BAT review of the site ovens to assess compliance with all relevant legislation and guidance. The review shall be submitted in writing to the Environment Agency.	1/11/13

Schedule 3 – conditions to be added

None