

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

IQE Silicon Compounds Limited

**IQE Silicon Compounds Limited
Beech House
Cypress Drive
St Mellons
Cardiff
CF3 0LW**

Variation number

EPR/BJ6968IY/V003

Permit number

EPR/BJ6968IY

IQE Silicon Compounds Limited

Permit number EPR/BJ6968IY

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 Operator's permit for the site allows emissions to air from semiconductor reactors. These emissions are currently abated through a two stage system of wet scrubber (to remove chlorine) and dry bed scrubber (to remove dopants and Germanium). The site had a previous variation to their permit in 2008 to remove the dry bed scrubber on low dopant processes (emission points A1-A6 inclusive).

The wet and dry scrubbers are to be replaced due to approaching end of life. The new system will follow the same wet scrubber method, however the dry bed scrubber method will no longer capture higher concentration dopants/Germanium and send the resin for disposal and refill. Instead, the dopants/Germanium will be incinerated by thermal decomposition at point of use.

The Operator's permit has been varied to include new operating techniques associated with the replacement scrubber system.

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 BJ6968IY	Received 21/12/00	
Response to request for information	Request dated 20/02/01	Response received 27/03/01 and 06/04/01
Response to request for information	Request dated 18/04/01	Response received 22/05/01
Permit determined	06/07/01	
Application for variation EA/EPR/BJ6968IY/V002	Received 06/08/08 Duly made 20/08/08	
Response to request for information	Request dated 08/08/08	Response received 21/08/08
Response to request for information	Request dated 15/10/08	Response received 16/10/08
Response to request for information	Request dated 17/10/08	Response received 22/10/08
Response to request for information	Request dated 20/10/08	Response received 22/10/08
Variation EA/EPR/BJ6968IY/V002 determined	13/11/08	
Application for variation EPR/BJ6968IY/V003	Received and duly made 20/06/22	
Variation EPR/BJ6968IY/V003 determined	23/11/22	Variation notice issued

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2016

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number
EPR/BJ6968IY

issued to:
IQE Silicon Compounds Limited (“the operator”)

whose registered office is

**Beech House
Pascal Close
St Mellons
Cardiff
CF3 0LW**

company registration number **03986643**

to operate a regulated facility at

**IQE Silicon Compounds Limited
Beech House
Cypress Drive
St Mellons
Cardiff
CF3 0LW**

to the extent set out in the schedules.

Signed

Date

Holly Noble	23rd November 2022
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Authorised on behalf of Natural Resources Wales

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:

2.3.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.3.1, or as otherwise agreed in writing by the Agency.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.3 given in pages 27 – 45/Section 6 of the application and Appendices 2 & 3. Excluding Section 6 paragraphs 6.3, 6.5(ii), 6.9 and Appendix 4.	21/12/00
Application for variation EA/EPR/BJ6968IY/V002	The response contained in documents 3 and 4 in regard to abatement techniques.	15/08/08
Request for additional information 07/08/08	The response to information request, points 1 – 4 inclusive in regard to abatement techniques.	21/08/08
Request for additional information 11/11/08	The response to information request, points 1 – 3 inclusive in regard to abatement techniques.	11/11/08
Application for variation EPR/BJ6968IY/V003	Techniques specified in PowerPoint titled 'Silicon Gas Abatement improvement', dated 17/05/21	20/06/22

Schedule 3 – conditions to be added

None