

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

IQE Silicon Compounds Limited

**Newport Semiconductor Facility
Imperial Park
Celtic Way
Celtic Lakes
Newport
NP10 8BE**

Variation number

EPR/AB3893FZ/V003

Permit number

EPR/AB3893FZ

Newport Semiconductor Facility

Permit number EPR/AB3893FZ

Introductory note

This introductory note does not form a part of the notice.

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

The operator initiated permit variation is to reflect changes to the facility as a result of increased production capacity at the site. The changes to the installation are as follows:

- 72 new gallium nitride reactors for the production of wafers each with their own abatement plant (chemisorption or plasma abatement depending on process being carried out). The air emissions from the reactors will be released through new emission points A5-A8.
- 10 of the 20 existing reactors used for gallium arsenide and indium phosphide are to now be also used for gallium nitride. These reactors are to now also be used for research and development. The 10 existing reactors used for gallium arsenide and indium phosphide will remain unchanged.
- 4 existing natural gas fired steam boilers are to be added. Emissions from these 4 boilers will be from a single stack (emission point A11). They each have a thermal input of less than 1 MW and were commissioned before 2018. 2 of these will be duty boilers and 2 are to be used as backup.
- 4 new natural gas fired steam power boilers are to be added each with individual emission stacks (emission points A12-A15) and a thermal input of less than 1 MW. 3 of these will be duty boilers and 1 will be used as backup.
- 2 standby diesel generators each with a thermal input of 5MW (emission points A9 and A10). The generators will be used solely for the purpose for generating power for the facility in an emergency. These are classed as new limited hours (Medium Combustion Plants (put into operation after 20/12/2018 and operate under 500 hours a year) and Specified Generators that are excluded.
- The site boundary will be varied to add new land to the south east of the site where new auxiliary equipment including cooling systems, new steam boilers and backup generators are to be located.
- New storage to be added in the form of ammonia tanks and gas cylinders with 5 new dedicated gas bunkers fitted with air extraction and abatement (1 through existing emission point A2 and 4 through new emission points A16-A19).

The schedules specify the changes made to the 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 PAN-002156 (EPR/AB3893FZ/A001)	Duly made 22/12/2017	Application for an inorganic chemicals facility producing semiconducting wafers
Additional information received	05/03/2018	Revised Noise Assessment provided
Additional information received	28/03/2018	Response to Schedule 5 request for further information
Permit determined EPR/AB3893FZ	22/05/2018	Permit issued to IQE Silicon Compounds Limited
Variation application PAN-003787	11/12/2018	Variation to increase throughput on site
Variation determined EPR/AB3893FZ/V002	28/02/2019	Consolidated Permit issued
Variation application PAN-024249 (EPR/AB3893FZ/V003)	Duly Made 07/08/2024	Variation to increase production capacity at the site (addition of 72 Gallium nitride reactors, auxiliary equipment and 2 diesel generators).
Additional information received	04/10/2024	Response to Schedule 5 request for a revised Noise Impact Assessment and further information relating to air quality impacts
Variation determined EPR/AB3893FZ/V003	11/11/2024	Variation issued to IQE Silicon Compounds Limited

End of introductory note

Notice of variation and consolidation

The 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 and consolidates

Permit number
EPR/AB3893FZ

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

**Newport Semiconductor Facility
Imperial Park
Celtic Way
Celtic Lakes
Newport
NP10 8BE**

to the extent set out in the schedules.

The notice shall take effect from 11/11/2024

Signed

Date

Holly Noble	11/11/2024
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Authorised on behalf of Natural Resources Wales

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.