

# Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

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**Nexperia Newport Limited**

**Newport Semiconductor Plant  
Cardiff Road  
Newport  
NP10 8YJ**

Variation number

**EPR/BV7460ID/V007**

Permit number

**EPR/BV7460ID**

# **Newport Semiconductor Plant**

## **Permit number EPR/BV7460ID**

### **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.

This variation has been prepared to add seven natural gas-fired thermal processing units (TPUs), which will be used alongside the four already listed in the existing permit. There will be no change to the manufacturing process as a result of these new TPUs, which will be using existing emission points A13 and A14. No significant impacts are shown by an H1 assessment.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application BV7460ID	Received 31/12/04	
Additional information received	21/01/05 and 13/10/05	
Permit determined BV7460ID	21/12/05	
Response to permit BV7460ID Improvement Condition IP5	16/02/07	
Information received	04/09/07	Information relating to abatement systems
Information received	29/01/08	Information relating abatement systems and monitoring
Variation determined GP3533XU	04/04/08	
Variation application EPR/BV7460ID/V003	Duly made 10/01/18	Administrative variation application to change company name and update registered office address
Variation determined EPR/BV7460ID/V003	10/01/18	Varied permit issued to Newport Wafer Fab Limited
Variation application EPR/BV7460ID/V004	Duly made 05/07/19	Variation application to add a Standard Rules Permit: SR2018 No7 Medium Combustion Plant within current installation boundary
Variation determined EPR/BV7460ID/V004	29/11/19	Varied permit issued to Newport Wafer Fab Limited
Variation application EPR/BV7460ID/V005 (variation and consolidation)	Duly made 31/07/20	Variation application to convert SR2018 No7 Medium Combustion Plant to bespoke Medium Combustion Plant following the revision of the SR2018 No7 Standard Rules Permit
Variation determined EPR/BV7460ID/V005	14/09/20	Varied and consolidated permit issued to Newport Wafer Fab Limited
Variation determined EPR/BV7460ID/V006	09/10/2021	Varied permit issued to Nexperia Newport Limited.
Variation application EPR/BV7460ID/V007	11/05/2022	Variation application received for addition of 7 new thermal processing units.
Variation determined EPR/BV7460ID/V007	18/08/2022	Varied permit issued to Nexperia Newport Limited

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/BV7460ID**

issued to:  
**Nexperia Newport Limited**

whose registered office is

**Newport Semiconductor Plant  
Cardiff Road  
Newport  
NP10 8YJ**

company registration number **04338966**

to operate an installation facility at

**Newport Semiconductor Plant  
Cardiff Road  
Newport  
NP10 8YJ**

to the extent set out in the schedules.

The notice shall take effect from 18/08/2022

Signed

Date

**Holly Noble**

**18/08/2022**

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.

Table S1.2 has been amended as a result of the application made by the operator and now reads as follows:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in pages 5-31 of the application	31/12/04
Information received in letter	Details relating to abatement systems in letter dated 30/08/07	04/09/07
Information received in letter	Details relating to abatement systems and monitoring in letter dated 24/01/08	29/01/08
Variation application EPR/BV7460ID/V005	Responses to questions 2, 3d, 5, 6 of Form C2 and all supporting documentation. Responses to questions 1a, 2, 3a, 3b, 4a, 4b, 7, 8, Appendix 8 and Appendix 9 of Form C3 and all supporting documentation. Air Dispersion Modelling Report: Newport Wafer Fab Air Quality Modelling Report May 2020 Project Number 1620009787	05/06/2020
Information received in e-mails	All responses to queries made in e-mail Re: PAN-010620 sent 03/07/2020	06/07/2020 and 21/07/2020
Information received	Document reference: 'NWF Combustion Sources List'	11/08/2020
Information received	Document reference: 20-NWF-ERP-LA-L001-Rev B-EPR Emission Points	11/09/2020
Variation Application EPR/BV7460ID/V007	Variation application EPR/BV7460ID/V007 Supporting Operational Documents as follows: <ul style="list-style-type: none"><li>20-NWF-ERP-LA- L001-Rev_C.</li><li>BV7460ID_Nexperia Variation_2(002)</li></ul>	11/05/2022

Table S3.1 has been amended as a result of the application made by the operator and now reads as follows:

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [point 1 on document reference: 20-20-NWF-ERP-LA- L001- Rev C]	Solvents FAB11	Class B Volatile Organic Compounds (Total as Carbon)	No limit set	-	-	-
A10 [point 2 on document reference: 20-20-NWF-ERP-LA- L001- Rev C]	Solvents FAB10	Class B Volatile Organic Compounds (Total as Carbon)	No limit set	-	-	-
A11 [point 3 on document reference: 20-20-NWF-ERP-LA- L001- Rev C]	Pyrophoric Gas	No parameters set	No limit set	-	-	-
A13 [point 4 on document reference: 20-20-NWF-ERP-LA- L001- Rev C]	Scrubbed Toxic Extract	Ammonia	No limit set	-	-	-
		Hydrogen fluoride (as F)	No limit set	-	-	-
		Hydrogen chloride	No limit set	-	-	-
		Sulphur dioxide	No limit set	-	-	-
		Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	No limit set	-	-	-
A14 [point 5 on document reference: 20-20-NWF-ERP-LA- L001- Rev C]	Scrubbed Toxic Extract	Ammonia	No limit set	-	-	-
		Hydrogen fluoride (as F)	No limit set	-	-	-
		Hydrogen chloride	No limit set	-	-	-
		Sulphur dioxide	No limit set	-	-	-
		Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	No limit set	-	-	-
A15 [point 6 on document reference: 20-NWF-ERP-LA- L001- Rev C]	5.965 MWth input CHP engine	Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	95 mg/m <sup>3</sup>	Periodic (average over one hour)	Every 3 years	MCERTS BS EN 14792 Note 1
		Carbon monoxide	No limit set	Periodic (average over one hour)	Every 3 years	MCERTS BS EN 15058 Note 1
HWB1 [point 7 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Hot Water Boiler 1 (4.5 MWth input)	No parameters set	No limit set	-	-	-
HWB2 [point 8 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Hot Water Boiler 2 (4.5 MWth input)	No parameters set	No limit set	-	-	-
HWB4 [point 9 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Hot Water Boiler 4 (2.5 MWth input)	No parameters set	No limit set	-	-	-

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
HWB5 [point 10 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Hot Water Boiler 5 (2.5 MWth input)	No parameters set	No limit set	-	-	-
SB1 [point 11 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Steam Boiler 1 (1.006 MWth input)	No parameters set	No limit set	-	-	-
SB2 [point 12 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Steam Boiler 2 (1.144 MWth input)	No parameters set	No limit set	-	-	-
SB3 [point 13 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Steam Boiler 3 (1.820 MWth input)	No parameters set	No limit set	-	-	-
GEN1 [point 14 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Back-up generator 1 (1.750 MWth input)	No parameters set	No limit set	-	-	-
GEN2 [point 15 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Back-up generator 2 (1.750 MWth input)	No parameters set	No limit set	-	-	-
GEN3 [point 16 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Back-up generator 3 (6 MWth input)	No parameters set	No limit set	-	-	-
GEN4 [point 17 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Back-up generator 4 (1.750 MWth input)	No parameters set	No limit set	-	-	-
GEN5 [point 18 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Back-up generator 5 (1.750 MWth input)	No parameters set	No limit set	-	-	-
TPU1 [point 19 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 1 (<1 MWth input)	No parameters set	No limit set	-	-	-

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
TPU2 [point 20 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 2 (<1 MWth input)	No parameters set	No limit set	-	-	-
TPU3 [point 21 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 3 (<1 MWth input)	No parameters set	No limit set	-	-	-
TPU5 [point 22 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 5 (<1 MWth input)	No parameters set	No limit set	-	-	-
TPU 6 [point 25 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 6 (<1 MWth input)	No parameters set	No limit set	-	-	-
TPU 7 [point 26 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 7 (<1 MWth input)	No parameters set	No limit set	-	-	-
TPU 8 [point 27 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 8 (<1 MWth input)	No parameters set	No limit set	-	-	-
TPU 9 [point 28 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 9 (<1 MWth input)	No parameters set	No limit set	-	-	-
TPU 10 [point 29 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 10 (<1 MWth input)	No parameters set	No limit set	-	-	-



**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
TPU 11 [point 30 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 11 (<1 MWth input)	No parameters set	No limit set			
TPU 12 [point 31 on document reference: 20-NWF-ERP-LA- L001- Rev C]	Thermal processing unit 12 (<1 MWth input)	No parameters set	No limit set			

**Schedule 3 – conditions to be added**

None

**Schedule 4 – amended plan**

None