

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Knauf Insulation Limited

**Queensferry Mineral Fibre Works
Chemistry Lane
Queensferry
Deeside
Flintshire
CH5 2DA**

Variation number

EPR/BR9383ID/V012

Permit number

EPR/BR9383ID

Queensferry Mineral Fibre Works

Permit number EPR/BR9383ID

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 installation manufactures mineral wool insulation materials for use in structural, fire protection, thermal and acoustic insulation applications as well as hydroponic growing media for the horticultural industry. The manufacturing process requires compressed oxygen for oxygen enrichment of the blast air for the combustion processes in the furnace. This facilitates the conversion of coke to CO₂ plus heat to melt the stone/slag components of the batch feed. Due to challenges sourcing supplies of liquid oxygen, the business is varying their permit to install an oxygen manufacturing plant at the installation to safeguard continuity of operations.

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 BR9383 (EPR/BR9383ID/A001)	06/08/2002	
Permit Issues BR9383 (EPR/BR9383ID/A001)	25/06/2004	
Application for Variation NP3835SW (EPR/BR9383ID/V002)	Received 07/12/2004	
Variation issued NP3835SW (EPR/BR9383ID/V002)	22/02/2005	
Application for Variation (EPR/BR9383ID/V003)	Received 11/09/2008	
Variation issued (EPR/BR9383ID/V003)	12/02/2009	
Application for Variation (EPR/BR9383ID/V004)	Received 15/11/2010	
Additional Information	18/01/2011	Received 07/02/11
Variation Issued (EPR/BR9383ID/V004)	21/02/2011	
Agency Variation Determined (EPR/BR9383ID/V005)	04/03/2013	Environment Agency variation to implement the changes introduced by IED
Regulation 60(1) Notice of request for more information	27/02/2014	
Regulation 60(1) response received	30/05/2014	Implementation of BAT conclusions under IED
Natural Resources Wales Glass Sector Review 2014 Permit EPR/BR9383ID Variation issued (EPR/BR9383ID/V006)	31/07/2015	Varied and consolidation permit issued in modern IED condition format
NRW initiated permit variation (EPR/BR9383ID/V007)	03/03/2016	Permit issued to make changes to soil and groundwater conditions and air emissions monitoring standards and limits.
NRW initiated permit variation (EPR/BR9383ID/V008)	24/06/2016	Permit issued to make changes to monitoring frequency for Stack F
Application for Variation (EPR/BR9383ID/V009)	Duly made 02/12/2016	Variation application to add emission point and make changes to main line cooling zone stack.
Variation Issued (EPR/BR9383ID/V009)	08/08/2017	Permit issued
Application for Variation (EPR/BR9383ID/V010)	Duly made 22/10/2018	Variation application to add additional abatement for emissions to air
Variation Issued (EPR/BR9383ID/V010)	29/11/2018	Permit issued.
Application for Variation (EPR/BR9383ID/V011)	Duly made 11/12/2019	Variation application to add waste codes 10 02 01 and 10 02 02.

Variation Issued (EPR/BR9383ID/V011)	29/01/2020	Permit Issued
Application for Variation (EPR/BR9383ID/V012)	08/06/2021	Variation application to install an oxygen manufacturing plant at the installation
Variation Issued (EPR/BR9383ID/V012)	11/01/2022	Permit 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/BR9383ID

issued to:
Knauf Insulation Limited ("the operator")

whose registered office is

**PO BOX 10,
Stafford Road,
St Helens,
Merseyside,
WA10 3NS**

company registration number **01926842**

to operate a regulated facility at

**Queensferry Mineral Fibre Works
Chemistry Lane
Queensferry
Deeside
Flintshire
CH5 2DA**

to the extent set out in the schedules.

The notice shall take effect from 11/01/2022

Signed

Date

Holly Noble	11/01/2022
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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

- Condition 2.1.1 is amended to read as follows:

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

- Table S1.1 is amended to read as follows:

Table S1.1 activities			
Activity Reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1	Section 3.4 Part A(1)(a)	Melting mineral substances in plant with a melting capacity of more than 20 tonnes per day R5: Recycling/reclamation of other inorganic materials R13: Storage of wastes pending any of the operations R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced.)	From receipt of raw materials, storage and materials handling to processing of product and packaging. Wastes as specified in Table S2.2
Directly Associated Activity			
A2		Oxygen manufacturing plant	Production of oxygen for the enrichment of blast air for the combustion processes in the furnace as part of the mineral wool insulation materials production process.

- Condition 2.3.1 is amended to read as follows:

2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.

(b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

- Table S1.2 is amended to read as follows:

Tables S1.2 Operating techniques

Description	Parts	Date Received
Application	The response to question B2.3 given in sections B2.3 of the application	31/07/02
Supplementary Information	Information provided in Section 2 of the supplementary information	09/03
Supplementary Information	Information provided throughout the document	11/03
Schedule 4 Notice Issued 17th March 2004	Responses to questions 7, 8, 9, 10, 11 and 12	14/04/04
Definition of "melt" submitted 25/08/04	All	25/08/04
Variation Application NP3835SW	Responses to question C2.1 to C12	07/12/04
Variation Application EA/EPR/BR9383ID/V0 03	Responses to question C2	
Queensferry Site Groundwater Baseline Condition Report 29/09/04	All	Agreed 20/10/04
Queensferry Site Proposed Changes to Melting and Forming 29/09/04	All	Agreed 8/02/05
Queensferry Site Proposed Changes to Product Finishing Plant Report 29/09/04	All	Agreed 8/02/05
Proposed changes to Process Operation- Permit Number BR9383 4/05/07	All	Agreed 14/05/07
Variation Application EPR/BR9383ID/V003	Responses to question C2	11/09/08
Supplementary Information	All	27/11/08
Release Point "O" Queensferry Mineral Fibre Works	Explanation relating to the removal of emission point O	14/01/09
Variation Application EPR/BR9383ID/V004	All	15/11/10
Supplementary Information received by e-mail	All	07/11/11
Letter detailing operational change agreement - cessation of the requirement for boundary dust monitoring	All	28/08/13
Letter detailing operational change agreement - reduction in the operating temperature of the cupola abatement oxidiser.	All	03/10/13
Information received in support of Natural Resources Wales Glass Sector Permit Review 2014	All parts of operator response to Regulation 60 (1) notice	30/05/14
Letter detailing operational change agreement - reduction in the operating temperature of the oven abatement oxidiser	All	26/11/14
Application	Technical Supporting Information Report	02/12/16
Application	Technical note: Update: review of Hydrogen Chloride emissions from Knauf Insulation, Queensferry	03/10/18
Application	Environmental Permit Variation Technical Supporting Information Report - October 2018	03/10/18
Variation Application EPR/BR9383ID/V011	All	11/12/19
Variation Application EPR/BR9383ID/V012	Environmental Permit Variation Technical Supporting Information Report	08/06/2021

Schedule 3 – conditions to be added

None