

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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**Knauf Insulation Limited**

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

Variation number

**EPR/BR9383ID/V009**

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 and consolidation of an environmental permit.

The variation allows the facility to increase the nominal width of its production line from 1.8 metres to 2 metres which will allow the manufacture of other products primarily to Germany and other European Markets. This will be achieved by modifying the blanket forming process, and subsequent process steps to accommodate the wider product.

The curing zone will be refurbished with new seals to minimise leakages around the blanket. Following curing, the new products need to be sanded to remove marks. As a result, a grinding machine will be installed between the foil facing equipment and the band saw. This will require the curing zone conveyor to be shortened. A larger fan and revised extraction configuration will be installed to offset the effect of the shortened conveyor. The typical volume of extracted air may increase from approximately 15,000 m<sup>3</sup>/hr to 30,000 m<sup>3</sup>/hr. The new cooling zone fan speed will be adjusted automatically to a pre-set speed based on the curing oven speed. Air below the mat at the exit of the cooling zone will be controlled to ensure it is less than 40°C. There is an alarm if the temperature of the air below the slab exceeds 40°C and the operators have the ability to manually control cooling if they detect insufficient cooling.

Dust from the grinder will be handled by the existing dust extraction system that treats air from the toothed saw and cross cut saw units, however the capacity of the filtration system will be increased slightly. The use of bag filters means that there will be no significant change to the way dust generated in the process is handled. The filter extension will include 96 extra bags capable of achieving emissions of less than 10mg/m<sup>3</sup>. The existing dust extraction system re-circulates the extracted filtered air back into the main process building, however due to the increased throughput, the filtered air will be discharged to atmosphere via a new release point Y.

The end of line packaging equipment will be modified to incorporate a new larger stretch hooding machine suitable for the new products.

This variation incorporates these changes and updates and consolidates the existing permit.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application BR9383 (EPR/BR9383ID/A001)	06/08/02	
Permit Issued BR9383 (EPR/BR9383ID/A001)	25/06/04	
Application for Variation NP3835SW EPR/BR9383ID/V002	Received 07/12/04	
Variation issued NP3835SW (EPR/BR9383ID/V002)	22/02/05	
Application for Variation EPR/BR9383ID/V003	Received 11/09/08	
Variation issued EPR/BR9383ID/V003	12/02/09	
Application for Variation EPR/BR9383ID/V004	Received 15/11/10	
Additional Information	18/01/11	Received 07/02/11
Variation issued EPR/BR9383ID/V004	21/02/11	
Agency variation determined EPR/BR9383ID/V005	04/03/13	Environment Agency variation to implement the changes introduced by IED
Regulation 60(1) Notice of request for more information	27/02/14	
Regulation 60(1) response received	30/05/14	Implementation of BAT conclusions under IED
Natural Resources Wales Glass Sector Review 2014 Permit EPR/BR9383ID Variation issued EPR/BR9383ID/V006	31/07/15	Varied and consolidated permit issued in modern IED condition format.
NRW initiated permit variation EPR/BR9383ID/V007	03/03/16	Permit issued to make changes to soil and groundwater conditions and air emission monitoring standards and limits
NRW initiated variation EPR/BR9383ID/V008	24/06/16	Permit issued to make changes to monitoring frequency for Stack F
Application EPR/BR9383ID/V009	Duly made 02/12/16	Variation application to add emission point and make changes to main line cooling zone stack.
Permit determined	08/08/17	Consolidated permit issued

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/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 08/08/2017

Signed

Date

	<b>08/08/2017</b>
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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.