

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Toyota Motor Manufacturing (UK)
Limited

Deeside Engine Casting Plant
Zone 3
Deeside Industrial Estate
Flintside
CH5 2TW

Variation application number
EPR/ BK6483IU/V005

Permit number
EPR/ BK6483IU

Deeside Engine Casting Plant

Permit number EPR/BK6483IU

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.

All emissions to air had a requirement to be monitored for a Reference Period of 1 hour. After investigations in 2014, Toyota had shown that for certain process and emissions a 1 hour reference period is not suitable and could give non-representative results.

This minor technical variation changes certain reference periods for point source emissions to air to a suitable measure.

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 EPR/BK6483	03/12/01	
Additional information received	27/06/02	
Additional information received	25/07/02	
Additional information received	09/10/02	
Permit determined EPR/BK6483	20/12/02	
Variation application NP338LX		
Variation application determined NP338LX	18/07/06	
Variation application QP3138MX	31/11/06	
Additional information received	27/02/07	
Variation application determined QP3138MX	05/03/07	
Variation application EPR/BK6483IU/V003	06/11/08	
Additional information received	04/09/09	
Variation application determined EPR/BK6483IU/V003	27/10/09	
Variation application EPR/BK6483IU/V004	Duly made 20/01/11	
Variation determined EPR/ BK6483IU	21/02/11	
Application EPR/BK6483IU/V005 (variation application))	Duly made 28/07/15	Application for minor technical variation to change monitoring reference periods for air emissions.
Variation determined EPR/ABK6483IU	28/10/15	Varied permit issued.

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

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 2010 varies

Permit number
EPR/BK6483IU

issued to:
Toyota Motor Manufacturing (UK) Limited ("the operator")

whose registered office is

Burnaston
Derby
DE1 9TA

company registration number 02352348

to operate a regulated facility at

Deeside Engine Casting Plant
Zone 3
Deeside Industrial Estate
Flintside
CH5 2TW

to the extent set out in the schedules.

The notice shall take effect from 28/10/2015

Name

Date

A.M. Lewis

28/10/2015

Anna Lewis, Principal Permitting Officer, NRW Permitting Service
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 S4.1 which relates to conditions 3.1.1, 3.5.1 and 3.5.4 is amended as follows:

Table S4.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
ST1	Particulate	Odour scrubber – emissions from core moulding & casting	5 mg/m ³	Hourly average	annually	BS EN 13284-1
	VOCs (expressed as Total Organic Carbon)		50 mg/m ³			BS EN 13526
	Formaldehyde		1 mg/m ³			US EPA Method 316 or BS EN 13649, analysis to NIOSH 2016 or NIOSH 2541 for formaldehyde
	Phenol		0.25 mg/m ³			Sampling based on BS EN 13649 with customised sampling time and OSHA 32 or NIOSH 2446 for analysis
	Ammonia		-	Hourly average		BS EN14791, adapted for ammonia
ST2	Particulate matter	Bag filter emissions from both melting furnaces and crucible furnace	5 mg/m ³	Hourly average	annually	BS EN 13284-1
	Oxides of Nitrogen (as NO _x)		100 mg/m ³	Production shift average.		BS EN 14792
	CO		150 mg/m ³	Production shift average		BS EN 15058

Table S4.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
ST4	HCl	Heat Treatment	10 mg/m ³	Hourly average	annually	BS EN 1911
	Fluorides		1 mg/ m3	Hourly average		BS ISO 15713
	Particulate		5 mg/m3	Hourly average		BS EN 13284-1
	Oxides of Nitrogen (as NO ₂)		100 mg/m3			BS EN 14792
ST9 & ST11	CO	Sand reclamation furnace Sand coating fume incinerator	150 mg/m3		annually	BS EN 15058
	Particulate		5 mg/m3	Hourly average		BS EN 13284-1
	Oxides of Nitrogen (as NO ₂)		150 mg/m3	Production batch average		BS EN 14792
	CO		150 mg/m3			BS EN 15058
	Formaldehyde		7 mg/m3	Hourly average		US EPA Method 316 or BS EN 13649, analysis to NIOSH 2016 or NIOSH 2541 for formaldehyde
	Ammonia		10 mg/m3			BS EN14791, adapted for ammonia
ST10	Particulate	Sand heater dust collector	5 mg/m3	Hourly average	annually	BS EN 13284-1
	Oxides of nitrogen (as NO ₂)		100 mg/m3	Production batch average		BS EN 14792
	CO		150 mg/m3			BS EN 15058
ST12	Particulate	Low Pressure Casting sand knockout	5 mg/m3	Hourly average	annually	BS EN 13284-1

Schedule 3 – conditions to be added

None