

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/V004

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.

The installation is permitted under section 2.2, Part A(1)(b) of the Environmental Permitting Regulations for the melting of non-ferrous metal (aluminium) and the Directly Associated Activity of casting engine components.

This variation allows the in-processing of machining swarf and the use of third party scrap as Directly Associated Activities on the permit.

This application incorporates into the permit the waste acceptance and management procedures associated with these activities.

Through trials it has been demonstrated that the processing of scrap will not cause a change to the composition or volume of the emissions.

An updated installation plan has been provided to record the locations of these activities.

The Schedules specify the changes made to the original permit.

Schedule 1 of the notice lists any conditions that have been deleted, Schedule 2 of the notice lists any amended conditions and Schedule 3 of the notice lists any conditions that have been added.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status Log of permit		
Detail	Date	Response Date
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
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	

End of Introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/BK6483IU

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies the environmental permit issued to

Toyota Motor Manufacturing (UK) Limited

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 DD/01/2011

Name	Date
A.J. Nixon	21 February 2011

Authorised on behalf of the Environment Agency

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:

1. Table S1.1 (the “activities”) referenced in condition 2.1.1 is amended as follows:

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 2.2A(1)(b), Melting, including making alloys, of non-ferrous metals, including recovered products (such as refining or foundry casting) where-	Two tower furnaces for melting aluminium and one 1 tonne / hour crucible furnace for recovery of aluminium	Receipt of raw materials production of the finished castings; Abatement equipment and plant used for releases to atmosphere
(i) the plant has a melting capacity of more than 4 tonnes per day for lead or cadmium or 20 tonnes per day for all other metals; and		
(ii) any furnace (other than a vacuum furnace), bath or other holding vessel used in the plan for the melting has a design holding capacity of 5 or more tonnes.		
Directly Associated Activity		
Casting	High and Low Pressure Die Casting and associated machining.	Within the boundary of the installation
Mould preparation	Preparation and curing of sand moulds	Within the boundary of the installation
Effluent Treatment	Collection and treatment of effluents from the installation	Receipt, balancing and treatment of all process waters, including floc treatment, post settlement, sludge removal and discharge to sewer
On site recovery of Swarf	Swarf washing, centrifuge, drying and direct charging into the melt furnace	Within the boundary of the installation

2. Table S1.2 as referenced in condition 2.3.1 is amended as follows:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 (pages 3-11), 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.11 of the corresponding sections of the Application.	03/12/01
Response to Schedule 4 Part 1 Notice	Response to Question 2 to 40.	27/06/02 and 25/07/02
Supplementary Information	Additional Information in response to questions 6, 7, 9, 10, 12, 17, 18, 39.	09/10/02
Application for Variation	The response to question 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.11 of the Application	13/11/06
Supplementary Information	Additional Information in response to request made 13/02/07	27/02/07
Regulation 16 Agreement	All-replacement of cyclones with bag Filters	17/03/08
Regulation 16 Agreement	All relocation of existing melt furnace	14/07/08
Amended Application for Variation	Response to Question C2	20/10/09
Application for Variation EPR/BK6483IU/V004	Sections 2.2 of the application detailing the Swarf Recycling Scheme	Duly made 20/01/11
Application for Variation EPR/BK6483IU/V004	Appendix 2 Waste Acceptance Procedure	Duly made 20/01/11

3. Table S5.3 as referenced in condition 4.2.2 is amended as follows

Table S5.3 Performance parameters		
Parameter	Frequency of assessment	Units
Dross removed from site	Annually	Tonnes
Bag filter dust	Annually	Tonnes
Furnace linings	Annually	Tonnes
Swarf recycled	Annually	Tonnes
Total third party scrap aluminium recycled	Annually	Tonnes

4. Table S5.4 as referenced in condition 4.2.2 is amended as follows:

Table S5.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 a, b, c, d, e, f or other form as agreed in writing by the Agency	28/07/09
Water	Form water 1 or other form as agreed in writing by the Agency	28/07/09
Sewer	Form sewer 1 or other form as agreed in writing by the Agency	28/07/09
Water usage	Form water usage 1 or other form as agreed in writing by the Agency	28/07/09
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	28/07/09
Other performance indicators	Form performance 1 or other form as agreed in writing by the Agency	11/02/11

Schedule 3 – conditions to be added

The following conditions are added as a result of the application made by the operator:

1. Condition 2.3.4 and table S3.1 to be added as follows:

2.3.4 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 3 table S3.1; and
- (b) it conforms to the description in the documentation supplied by the producer and holder

Table S3.1 Permitted waste types and quantities for the use of third party scrap aluminium and swarf from machining operations

Maximum quantity	10,000 tonnes per year
Waste code	Description
12 01 03	Non-ferrous metal filings and turnings

2. Improvement Condition 9.25, to be added to Table S1.3 as follows:

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
9.25	Monitoring results to be provided for emission to air from point ST2 for the parameters as detailed in table S4.1. This monitoring must be carried out whilst the swarf recycling is being carried out. If this monitoring event corresponds with the normal annual monitoring schedule, we would not require duplication.	Within the first three months of the swarf recycling scheme being scaled up to production levels.

3. Installation plan is added to Schedule 2 of the permit to show the location of the casting plant, waste water treatment plant, swarf wash, associated connecting infrastructure and haul routes only.

