Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

EnerSys Ltd.

EnerSys Newport
Stephenson Street
Newport
South Wales
United Kingdom
NP19 4XJ

Variation application number

EPR/NP3030BJ/V004

Permit number

EPR/NP3030BJ

EnerSys Newport
Permit number EPR/NP3030BJ

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 allows the operator to replace two existing granulators in Cell 1B of the Installation with a new 15 tonne furnace, which will service a dedicated ingot caster to produce ingots for recycling back into the casting process. The operator has applied for this variation following changes in the operational arrangements at the Installation. One of the main benefits of this variation is that process offcuts that have previously been sent to an off-site third party smelter for recovery will now be re-processed on site, which will result in a reduction in the amount of virgin lead required and also a reduction of waste produced on site.

The variation allows the removal of the existing granulator infrastructure and the installation of the new gas-fired 15 tonne capacity furnace and associated ingot caster. The existing A11 bag house that currently serves the two granulator units will be upgraded with existing polyester-needlefelt bags being replaced with a high efficiency PTFE membrane-polyester bags. Also, a new spark detection system will be fitted in the duct to the bag house, which will be linked to an automatically activated extinguishing unit.

Existing release point A11 is varied to serve the new re-melt furnace rather than the granulators, whilst the furnace burner will be served by a new dedicated flue - release point A64.

Table S1.1 has also been updated to reflect the 2013 update to the Environmental Permitting Regulations.

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		
Detail	**Date**	**Response Date**
Application NP3030BJ	Received 06/01/05	
Response to request for information	Request 31/03/05, 19/10/05 & 27/10/05	06/06/05, 14/07/05, 23/11/05 & 01/12/05
Permit determined	19/12/05	
Application for variation EA/EPR/NP3030BJ/V002	Received 04/06/08	Duly made 24/06/08
Variation EA/EPR/NP3030BJ/V002 issued	30/06/08	
Application for variation EA/EPR/NP3030BJ/V003	Received 26/05/11	Duly made 15/06/11
Variation EA/EPR/NP3030BJ/V003 issued	20/06/11	
Variation Application EPR/NP3030BJ/V004	Duly Made 26/06/13	
Revised site plan submitted	25/09/13	
Variation Application EPR/NP3030BJ/V004 determined	26/09/13	

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/NP3030BJ

issued to:
EnerSys Ltd. ("the operator")

whose registered office is:
Stephenson Street
Newport
South Wales
United Kingdom
NP19 4XJ

company registration number **00731261**

to operate a regulated facility at
Stephenson Street
Newport
South Wales
United Kingdom
NP19 4XJ

to the extent set out in the schedules.

The notice shall take effect from 26/09/13.

Name	Date
	**26 September 2013**

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 1.1.1 is amended to:

Table 1.1.1 Permitted activities		
Activity listed in Schedule 1 of the EP Regulations / Associated Activity	**Description of specified activity**	**Limits of specified activity**
Section 4.2 (A)(1)(a)(v) Production of inorganic chemicals	Production of lead oxide – Grey Oxide Mills 1,2,3,4	Receipt of raw materials to inclusion in pasting process.
Section 4.2 (A)(1)(d)(vi) Manufacturing using, and possibly causing emission of, lead	Releases of lead to air – Pasting Lines 1,2,3,4	Receipt of raw material to production of lead oxide paste.
Section 2.2 (A)(1)(b) Melting, including making alloys, of non-ferrous metals, including recovered products and the operation of non-ferrous metal foundries where (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 plant for the melting has a design holding capacity of 5 or more tonnes.	Lead melting • Nugget casters 1&2 • Cominco caster pots 1&2 • Strip mill pots 1&2 • Cast on strapping lines 1 to 4 • Continuous casting pots 1&2 • Re-melt Furnace and associated Ingot caster	Receipt of raw materials to battery product dispatch.

Table 1.1.1 Permitted activities		
Activity listed in Schedule 1 of the EP Regulations / Associated Activity	**Description of specified activity**	**Limits of specified activity**
Section 5.4 Part A(1)(a)(ii) – "Disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment…."	Effluent treatment plant	From receipt of effluent to dispatch to sewer or dispatch of water back to process.
Directly associated activity	Discharge of site run-off to surface water	From receipt of surface water to release to an unnamed blind reen leading to River Usk.
Directly associated activity	Assembly, charging and case sealing of batteries	From receipt of charged plates to despatch of batteries, disposal of waste and emission of exhaust gases.
Directly associated activity	Finished goods storage and dispatch	From receipt of completed batteries for storage to final product dispatch
Directly associated activity	Space heating boiler <20MW	From receipt of fuel to disposal of waste and release of combustion products

Table 2.1.1 is amended to:

Table 2.1.1 Operating Techniques		
Description	Parts	Date received
PPC Permit Application NP3030BJ	The response to questions 2.1 and 2.2 given in pages 9-40 of the application. Emergency response Plan received as further information Application Site Report	06/01/05 & 06/06/05
Variation Application EPR/NP3030BJ/V004	Supporting Information P1716/R002 – Section 6	26/06/13

Table 2.2.1 is amended to:

Table 2.2.1 : Emission points to air		
Emission point reference or description	**Source**	**Location of emission point**
A1	Production of grey lead oxide Mill 1 via fabric filter and stack	Point A1 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A2	Production of grey lead oxide Mill 2 via fabric filter and stack	Point A2 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A3	Production of grey lead oxide Mill 3 via fabric filter and stack	Point A3 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A4	Grey oxide handling via stack	Point A4 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A5	Red oxide handling via stack	Point A5 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A6	Strip mill melting process and Concast continuous casting process via wet scrubber and stack	Point A6 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A7	Pasting process and nugget casting via wet scrubber and stack	Point A7 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A8	Cominco casters via wet scrubber and stack	Point A8 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A9	Assembly area via fabric filter and stack	Point A9 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A10	Assembly area via fabric filter and stack	Point A10 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A11	Re-melt furnace	Point A11 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A12	Chip handling via fabric filter and stack	Point A12 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A13	T1 pasting area via fabric filter and stack	Point A13 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A14	Waste storage area (break apart) via fabric filter and stack	Point A14 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A15-A62 inclusive	Drying Ovens	Corresponding to points A15-A62 on Revised Site Plan ENL 05 submitted as further information 25/09/13
A63	Production of grey lead oxide Mill 4 via fabric filter and stack	Point A63 on on Revised Site Plan ENL 05 submitted as further information 25/09/13
A64	Re-melt Furnace Burner Flue	Point A64 on Revised Site Plan ENL 05 submitted as further information 25/09/13

Table 2.2.2 is amended to:

Table 2.2.2 Emission limits to air and monitoring requirements

Emission point reference	Parameter	Limit (Annual average) Note 1,3	Limit (spot sample) Note 1	Monitoring frequency	Monitoring standard or method Note 2
A1	Lead	1.0mg/m^3	1.0mg/m^3	Monthly spot	BS EN 14385:2004
A2	Lead	1.0mg/m^3	1.0mg/m^3	Monthly spot	BS EN 14385:2004
A3	Lead	1.0mg/m^3	1.0mg/m^3	Monthly spot	BS EN 14385:2004
A4	Lead	0.25mg/m^3	0.25mg/m^3	Quarterly spot	BS EN 14385:2004
A5	Lead	0.25mg/m^3	0.25mg/m^3	Quarterly spot	BS EN 14385:2004
A6	Lead	0.30mg/m^3	1.5mg/m^3	Quarterly spot	BS EN 14385:2004
A7	Lead	0.25mg/m^3	1.5mg/m^3	Quarterly spot	BS EN 14385:2004
A8	Lead	0.20mg/m^3	1.5mg/m^3	Quarterly spot	BS EN 14385:2004
A9	Lead	0.20mg/m^3	0.75mg/m^3	Quarterly spot	BS EN 14385:2004
A10	Lead	0.20mg/m^3	1.0mg/m^3	Quarterly spot	BS EN 14385:2004
A11	Lead	0.20mg/m^3	1.50mg/m^3	Quarterly spot	BS EN 14385:2004
A12	Lead	0.15mg/m^3	0.75mg/m^3	Quarterly spot	BS EN 14385:2004
A13	Lead	0.40mg/m^3	1.0mg/m^3	Quarterly spot	BS EN 14385:2004
A14	Lead	0.40mg/m^3	1.0mg/m^3	Quarterly spot	BS EN 14385:2004
A63	Lead	1.0mg/m^3	1.0mg/m^3	Monthly spot	BS EN 14385:2004
A64	No parameters set	No limit set	No limit set	-	-

Note 1 – See condition 6.1.3 for reference conditions
Note 2 – Or to an EN, BS or ISO standard as otherwise approved in writing by the Environment Agency
Note 3 – Compliance with the annual average limit shall be demonstrated by the average of the quarterly results amended on a pro rata basis by the annual running time.

Schedule 3 – conditions to be added

None

Schedule 4 - Amended Site Plan

