



Environment
Agency

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

Ellesmere Port Lead Alkyl
Innospec Ltd
Innospec Manufacturing Park
Oil Sites Road
Ellesmere Port
Cheshire
CH65 4HF

Variation notice number
TP3134GR

Permit number
BM0508IG

Installation: Ellesmere Port Lead Alkyl

Permit Number: BM0508IG

Variation Number: TP3134GR

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations S.I.2007 No. 3538 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility

The main purpose of the activities at the installation is the manufacture of lead alkyls for use as anti-knock fuel additives.

The installation can be divided into key areas. These are lead alloy production, lead alkyl production, lead recovery and smelting, the boiler house and effluent treatment.

This variation notice permits the Operator to receive waste process plant items from 3rd parties which are contaminated with sodium for the purposes of decontamination by destruction of the sodium in the existing sodium burner bay.

There are no new emission points or emissions, although the frequency of decontamination operations will increase.

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

Status Log of the permit

Detail	Date	Comment/Responses
Application BM0508IG	Received 31/03/03	
Request to extend determination	Request dated 30 July 2003	Request accepted 8 august 2003
Response to request for information	Notice dated 26 September 2003	Response dated 24 October 2003 and 19 November 2003
Response to second request for information	Notice dated 26 September 2003	Withdrawn dated 27 November 2003
Further information	20 November 2003	Additional information from operator on modifications to boilerhouse
Further information	26 November 2003	Additional information from operator on air quality impacts
Permit determined	28 November 2003	
Variation BX1667 determined	Issued 23 June 2004 Effective 28 June 2004	Administrative corrections to original permit
Variation HP3236SB determined	Issued 12 January 2006	
Variation application	Received 14/11/08	
Variation XP3038GU determined	Issued 14/01/08 Effective 15/01/08	Simple standard variation for bulk storage and ISO tank filling of DBE
Variation application	Received 22/12/08	
Further information	Received 24/03/09	Further details on sodium waste receipt, treatment and disposal
Variation TP3134GR determined	Issued 12/05/09 Effective 13/05/09	

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2007

Permit number

BM0508IG

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2007 (SI 2000 No 3538) varies the permit as set out below.

Innospec Ltd ("the operator"),

of/ whose registered office/or principal office is

Innospec Manufacturing Park

Oil Sites Road

Ellesmere Port

Cheshire

CH65 4EY

company registration number 344359

holds a permit to operate a regulated facility at

Innospec Manufacturing Park

Oil Sites Road


Ellesmere Port

Cheshire

CH65 4EY

and that permit is varied to the extent set out in Schedules 1 to 3 of this notice.

The notice shall take effect from 04/05/09

Name	Date
 Catherine Shaw	12/05/09

Authorised on behalf of the Agency

Schedule 1 – conditions to be deleted

1. The following conditions are deleted

None

Schedule 2 – conditions to be amended

2. The following conditions are amended as follows

2.1. Table 1.1.1 is amended as follows

Table 1.1.1		
Activity listed in Schedule 1 of the EP Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 4.1 A(1)(a)(vii) : Producing organic chemicals such as – (viii) organometallic compounds, such as lead alkyls, Grignard reagents and lithium alkyls;	Production of tetraethyl lead.	
Section 2.2 A(1)(b) : Melting, including making alloys, of non-ferrous metals, including recovered products (refining, foundry casting etc.) 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, bath or other holding vessel used in the plant for the melting has a design holding capacity of 5 tonnes or more.	Lead recovery and alloying	
Section 1.1 B(a) : Unless falling within paragraph (a) of Part A(1) of this Section – (a) Burning any fuel, other than a fuel mentioned in paragraph (b) of Part A(1) of this Section, in a boiler or furnace or a gas turbine or compression ignition engine with, in the case of any of these appliances, a rated thermal input of 20 megawatts or more but less than 50 megawatts.	Site boiler house	
Section 5.1 Part A(1)(d) 'Unless carried on as part of another activity in this Part, the incineration of hazardous waste in a plant which is not an incineration plant or a co-incineration plant.'	Receipt, handling, storage and treatment of waste including destruction of sodium by incineration.	From receipt of waste to destruction of sodium and disposal or recovery of scrap metal and packaging
Directly associated activity	Blending tetraethyl lead with dibromoethane or dichloroethane to produce motor fuel anti-knock compound.	12,500 tonnes per annum of motor fuel anti-knock compound.
Directly associated activity	Handling, storage and treatment of refinery sludge.	From receipt of waste to delivery to the lead pits and decontamination and disposal or re-use of the waste packaging
Directly associated activity	Effluent treatment plant and water discharges to Manchester ship canal.	
Directly associated activity	Provision of Storage and tanker filling facilities for DBE for a 3rd party.	5200 T/annum of 1,2 dibromoethane

2.2. Table 2.1.1 is amended as follows

Description	Parts	Date Received
Application	The response to questions B2.1, B2.2 and B2.3 given in sections B2.1 and B2.3 of the application.	31 March 2003
Response to Schedule 4 Notice	The response to questions 6,7,8,9,10,12,13	24 October 2003 and 19 November 2003
Further information	Additional information from operator on modifications to boilerhouse	20 November 2003
Further information	Additional information from operator on air quality impacts and BAT.	26 November 2003
Application for variation, reference HP3236SB	All	14 October 2005
Application for variation, reference XP3038GU	All	14 November 2008
Further information	e-mail from Operator dated 08/01/09	08 January 2009
Application for variation, reference TP3134GR	Part C Non Technical summary	22 December 2008
Further information	e-mail from Operator dated 24/03/09	24/03/09

2.3 condition 1.6.1 is amended as follows

- 1.6.1 prior to receipt of waste sodium, for incineration at the installation, the Operator shall identify clear waste acceptance criteria and produce and implement a written waste acceptance procedure.

Schedule 3 – conditions to be added

The following conditions are added to the permit

1. add section 2.14

2.14 Waste acceptance

2.14.1 Wastes shall only be accepted for recovery at the installation if they are listed in tables S7.1 or S7.2 of Schedule 7.

2.14.2 the Operator shall maintain a record, in accordance with Section 3 of the Permit, of all waste accepted under condition 2.14.1.

2. add Schedule 7

Schedule 7 – List of Permitted Wastes

Table S7.1 - Permitted Waste Types for Incineration		
Description	European Waste Catalogue Number	Limitations
Metal contaminated with a hazardous substance	17 04 09	process plant contaminated with sodium.

Table S7.2 - Permitted Waste Types for Lead alkyl recovery		
Description	European Waste Catalogue Number	Limitations
Waste from transport and storage tank cleaning – waste containing other dangerous substances	16 07 09	Refinery Sludges

End of notice