ENVIRONMENT AGENCY

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Empire Treatment Works

Veolia ES (UK) Limited
Stubbers Green Road
Aldridge
Walsall
WS9 8BL

Variation Notice Number

YP3335XQ

Permit number

XP3037SE

Veolia ES (UK) Limited
Permit Number XP3037SE

Introductory note

This introductory note does not form part of the permit

The following notice is issued under regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate an installation. The notice comprises schedule 1 containing conditions to be deleted, schedule 2 conditions to be amended and schedule 3 conditions to be added.

The Notice alters the list of activities and approved operating techniques for the installation to authorise the re-packaging of laboratory smalls and bulking of wastes. The proposed smalls re-packaging area is served by an extraction system with carbon pack abatement, creating an additional point source emission.

Status Log of the permit		
Detail	**Date**	**Response Date**
Application XP3037SE	Duly made 22 Sept 2005	
Schedule 4 Notice	22 March 2006	25 April 2006
Schedule 4 Notice	13 April 2006	12 May 2006
Request for information	18 April 2006	27 April 2006
Request for information	05 May 2006	08 May 2006
Request for information	30 August 2006	05 September 2006
Request for information	23 October 2006	26 and 27 Oct 2006
Additional information received	26 October 2006	
Permit determined	24 November 2006	
Application for Variation	Duly made 8 January 2008	
Variation YP3335XQ determined	20 March 2008	

Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Polymeric Treatments Ltd	SL51 (EAWML41316)	23 Dec 1983	Partially superseded
Polymeric Treatments Ltd	SL231 (EAWML40817)	03 March 1978	Partially superseded
Polymeric Treatments Ltd	SL323 (EAWML41308)	27 July 1983	Partially superseded

Holder	Reference Number	Date of issue

End of Introductory Note

Variation Notice

Permit number
XP3037SE
Variation number
YP3335XQ

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

Veolia ES (UK) Limited ("the operator"),

whose registered office is
Veolia House, 154A Pentonville Road, London N1 9PE

Company registration number ***2481991***

to operate an installation at
Empire Treatment Works
Stubbers Green Road
Aldridge
Walsall
WS9 8BL

to the extent set out in schedules 1 to 3 of this variation notice .

This notice shall take effect from 21st March 2008 at 00.01 hours.

Signed	Date
	20 March 2008

David Lowe – Area Environment Management

Authorised to sign on behalf of the Agency

SCHEDULE 1 – CONDITIONS TO BE DELETED

1. None

SCHEDULE 2 – CONDITIONS TO BE AMENDED

2. The following conditions are amended as follows

Table S1.1 activities		
Activity listed in Schedule 1 of the PPC Regulations	**Description of specified activity and WFD Annex IIA and IIB operations**	**Limits of specified activity and waste types**
S5.3 A1(a)	Storage of hazardous wastes (D15).	From receipt of waste to introduction to treatment processes or off site transfer for disposal. Containerised wastes stored in the areas as detailed on drawing emp/ppc/101. Bulk wastes stored in vessels CL1, CL2, AR3, AR4, AR5, AR6, AR7, AR8, CN1, CN2, CN3, CN4, Lime Silo 1, Lime Silo 2, PFT19, Jumbo, S1, S2, S3, S4, S5, S6, T1, T2, T3, T4. Waste types as specified in Schedule 3 table S3.2.
S5.3 A1(a)	Oxidation of cyanide wastes (D9).	Tanks CN1, CN2, CN3, CN4 Waste types as specified in Schedule 3 table S3.2, column 1.
S5.3 A1(a)	Physico-chemical treatment of waste consisting of pH adjustment, redox, mixing and settlement (including addition of coagulants and flocculents) (D9).	Vessels SP4, SP5, SP6, SP7, Jumbo, PFT19 Waste types as specified in Schedule 3 table S3.2, column 2. Including production of lime slurry in Lime Tanks A and B.
S5.3 A1(a)	Physico-chemical treatment of waste consisting acidification, mixing and settlement (Sludge conditioning) (D9).	Vessels T1, T2, T3, T4, Jumbo, PFT19 Waste types as specified in Schedule 3 table S3.2, column 3
S5.3 A1(a)	Physico-chemical treatment of waste consisting of acidification and mixing (D9).	APC mixers 1, 2, 3 Waste types as specified in Schedule 3 table S3.2, column 3
S5.3 A1(a)	Filtration of wastes (D9).	Filter presses in Press Building. Waste types as specified in Schedule 3 table S3.2, column 4 and wastes produced by treatment process.
S5.3 A1(a)	Re-packaging and bulking of hazardous wastes (D14)	In the case of laboratory smalls, only within the processing building shown on plan emp/ppc/01c. Non Laboratory smalls wastes in appropriate drum storage areas as shown on plan emp/ppc/01c. Waste types as specified in Schedule 3 table S3.2
S5.3 A1(b)	Storage and phase separation of waste oil (R13, R3).	Vessels RT1, RT2, ST1, ST2, ST3, ST4, ST5. From receipt of waste to off site transfer of separated oil and transfer of residues to treatment. Waste types as specified in Schedule 3 table S3.2, column 5.
Directly Associated Activity		
Tanker washing	Washing of heavy sludge/residues from tanker after delivery of wastes.	Tanker wash sump.
Drum washing, crushing and shredding	Washing and/or crushing or shredding of drums and other containers (D9, R4).	Washing of containers arising from storage and treatment operations. Shredding or crushing of washed containers arising from storage and treatment operations.
Waste storage	Storage of non-hazardous wastes prior to submission to treatment on	From receipt of waste to introduction to treatment processes. Containerised wastes stored in the areas detailed on drawing

Table S1.1 activities		
Activity listed in Schedule 1 of the PPC Regulations	**Description of specified activity and WFD Annex IIA and IIB operations**	**Limits of specified activity and waste types**
	site (D15).	emp/ppc/101. Bulk wastes stored in vessels CL1, CL2, AR3, AR4, AR5, AR6, AR7, AR8, CN1, CN2, CN3, CN4, Lime Silo 1, Lime Silo 2, PFT19, Jumbo, S1, S2, S3, S4, S5, S6, T1, T2, T3, T4 Waste types as specified in Schedule 3 table S3.2.
Waste storage	Storage of solid wastes arising from treatment operations prior to off site disposal or recovery (D15, R13).	Wastes arising from treatment processes. Stored in Filter cake bunkers as detailed on drawing emp/ppc/101.
Waste storage	Storage of final site effluent prior to discharge to sewer (D9).	Tanks FT4, FT5, FT6, FT8, Braithwaite Effluent arising from site treatment operations and surface water drainage only.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The responses to sections 2.1 and 2.2 of the application, excluding B1.1.1, B2.1.1, B2.1.21 (File 2 Item 2, Item 3 main plant item list only), B2.2.4 (detail relating to the cyanide plant scrubber only), Total Site Plan (drawing No. emp/ppc/02), Site Location Plan (drawing No. emp/ppc/08).	22 Sept 2005
Schedule 4 Notice dated 22/03/2006	Answers to questions 1 to 41, excluding Revised Total Site Plan (drawing No. emp/ppc/02), response to Question 9.	25 April 2006
Schedule 4 Notice dated 13/04/2006	Answers to questions 1, 2 and 3.	12 May 2006
Request for additional information dated 05/05/2006	Revised Drawings emp/ppc/31A and emp/ppc/33A	08 May 2006
Request for additional information dated 30/08/2006	Revised Installation boundary details including Site Boundary drawing emp/ppc/02b, redundant tank information and amendments concerning the cyanide scrubber.	05 Sept 2006
Request for additional information dated 23/10/2006	Revised section B1.1.1, Revised B2.1.23.	26 Oct 2006 27 Oct 2006
Information provided in support of Variation application (lab smalls re-packaging)	The responses to Section C2 of the Variation application, including all associated drawings.	8 January 2008

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**
A1 [Point A1 on site plan ref. emp/ppc/04b]	No parameters set	Scrubber CNS1 serving cyanide plant	No limit set	--	--	
A2 [Point A2 on site plan ref. emp/ppc/04b]	No parameters set	Scrubber ASS1 serving PFT19 and acid storage tanks	No limit set	--	--	
A3 [Point A3 on site plan ref. emp/ppc/04b]	No parameters set	Scrubber SPS1 serving SP tanks	No limit set	--	--	
A4 [Point A4 on site plan ref. emp/ppc/04b}	No parameters set	Scrubber JTS1 serving Jumbo tank	No limit set	--	--	
A5 [Point A5 on site plan ref. emp/ppc/04b}	No parameters set	Scrubber APCSS1 serving APC sludge tanks	No limit set	--	--	
A6 [Point A6 on site plan ref. emp/ppc/04b]	No parameters set	Scrubber APCMS1 serving APC mixers	No limit set	--	--	
A7/8 [Point A7/8 on site plan ref. emp/ppc/04b]	No parameters set	Dust filter LSDS1 serving Lime silos 1 and 2	No limit set	--	--	Permanent sampling access not required
A9 [Point A9 on site plan ref. emp/ppc/04b]	No parameters set	Dust filter APCDF1 serving APC1 silo	No limit set	--	--	Permanent sampling access not required
A10 [Point A10 on site plan ref. emp/ppc/04b]	No parameters set	Dust filter APCDF2 serving silo APC2	No limit set	--	--	Permanent sampling access not required
A11 [Point A11 on site plan ref. emp/ppc/04b]	No parameters set	Dust filter APCDF3 serving silo APC3	No limit set	--	--	Permanent sampling access not required
A12 [Point A12 on site plan ref. emp/ppc/04b]	No parameters set	Dust filter APCDF4 serving silo APC4	No limit set	--	--	Permanent sampling access not required
A13 [Point A13 on site plan ref. emp/ppc/04b]	No parameters set	Dust filter APCDF5 serving APC5 silo	No limit set	--	--	Permanent sampling access not required
A14 [Point A14 on site plan ref. emp/ppc/04b]	No parameters set	Dust filter APCDF6 serving silo APC6	No limit set	--	--	Permanent sampling access not required
A15 [Point A15 on site plan ref. emp/ppc/04b]	No parameters set	Scrubber LSRS1 serving laboratory smalls processing building	No limit set	-	-	Permanent sampling access not required

SCHEDULE 3 – CONDITIONS TO BE ADDED

3. None