



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Brookhill Landfill Site

A D Waste Limited
Brookhill Way
Pinfold Industrial Estate
Buckley
Flintshire
CH7 3PL

Variation Notice Number

CP3534LE

Permit number

BV7273

Brookhill Landfill Site

Permit Number BV7273

Introductory note

This introductory note does not form a 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 effect of the variation is to increase the height of the pre-settlement contours.

A non-technical description of the installation is given in the application, but the main features of the installation are as follows:

Brookhill landfill is located near Buckley, North Wales. It has operated under the auspices of Waste Management Licence EAWML37207 which was granted by the Environment Agency in 1997. The landfill receives around 120,000 tonnes waste per annum. The application was originally for an interim hazardous waste landfill until the 16th July 2004 and thereafter non-hazardous landfill. The permit was issued as a non-hazardous landfill only as the date passed prior to issue of the permit.

The site occupies an area of approximately 5 hectares. It was initiated in the 19th century when it was a clay pit forming part of the Brookhill Brickworks. From the late 1980s the pit was reworked for stone and limited opencast coal extraction.

The landfill is divided into six cells, with operations having commenced in all cells. All six cells were developed on the basis of containment of leachate by basal and side slope engineering comprising engineered clay. Cell 1 also included a HDPE membrane. A membrane was not included in the other cells as the hydrogeological model for the site considered Cells 2-6 to have a degree of hydraulic containment with groundwater levels at a higher elevation than leachate levels. With respect to Cell 1 indications of groundwater levels suggested that they were between 1-4m below the base of the cell. Leachate levels are required to be maintained below a maximum level of 2m depth through abstraction and subsequent treatment on-site. Landfill gas is abstracted and burnt through a flare.

Status Log of the Permit

Detail	Date	Response Date
Application BV7273	Received 08/10/2003	
Response to request for information	17/10/2003 (email)	20/10/2003
Response to request for information	17/10/2003 (letter)	21/10/2003
Response to request for information	27/02/2004	25/03/2004
Revised drawing ESID2	06/02/2004	17/06/2004
Revised drawing ESID11	13/07/2004	13/07/2004
Permit BV7273 determined	17/08/2004	
Compliance with Improvement Condition – replacement of groundwater boreholes GW2 and GW3		31/05/2005
Compliance with Improvement condition – location of gas flare		06/03/2006
Variation application CP3534LE	12/04/2006	Duly made 02/08/2006
Permit varied YP3835MJ	07/03/2007	
Variation CP3534LE determined	12/02/2008	

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue	Fully or Partially Superseded
AD Waste Limited	EAWML/37207	07/09/1997	Fully

Other existing Licences/Authorisations/Registrations relating to this site

Holder	Reference Number	Date of issue
None		

End of Introductory Note.

Variation Notice

Pollution Prevention and Control (England and Wales) Regulations 2000
Landfill (England and Wales) Regulations 2002

Variation Notice

Permit number

BV7273

Variation number

CP3534LE

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

A D Waste Limited ("the operator"),

whose registered office is

5/7 Grosvenor Court

Foregate Street

Chester

Cheshire

CH1 1HG

company registration number **2630477**

to operate an installation at

Brookhill Landfill Site

Brookhill Way

Pinfold Industrial Estate

Buckley

Flintshire

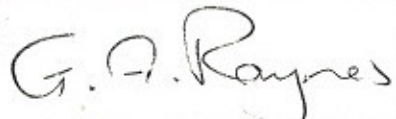
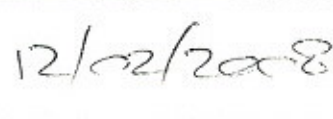
CH37 3PL

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

The notice shall take effect from 12/02/2008.

Signed

Date

	
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Graham Raynes

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 and schedules are amended as follows:

Condition 2.8.8:

- 2.8.8 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing number 2127.SETT.01.

Schedule 1, table S1.2:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application BV7273	The response to questions 1.2, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Form	08/10/2003
Letter from Egniol detailing monitoring sections of the application form and amended drawing references	All	21/10/2003
Letter from Egniol detailing clarification on points raised in our letter of 27/02/2004	All	29/03/2004
Revised Drawing ESID 11 Revision A Local Hydrogeology and Hydrology – surface water monitoring points added	All	13/07/2004
Revised Drawing ESID 2 Revision B Environmental Site Setting – legend changed to include installation boundary	All	Dated 06/02/2004, received 17/06/2004
Compliance with Improvement Condition – replacement of groundwater boreholes GW2 and GW3	All	31/05/2005
Compliance with Improvement Condition – location of gas flare	All	06/03/2006
Application CP3534LE	All - except drawing reference 1843.SETT.02	12/04/2006
Letter from Egniol with revised drawing reference 2127.SETT.01	All	03/07/2007

SCHEDULE 3 – CONDITIONS TO BE ADDED

3. None.