



ENVIRONMENT  
AGENCY

# Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

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Newport City Council

Docksway Area 2 landfill  
Docksway  
Maes Glas  
Newport  
Gwent  
NP20 5NS

Variation Notice Number  
MP3730MJ

Permit number  
DP3733BK

# Docks Way Landfill

## Permit Number DP3733BK

### 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 variation is Agency initiated and has been undertaken as part of a review of the Landfill Permit Template. The original technical decisions made during determination of the application have not been revisited.

The varied permit is now based on our standard Landfill PPC Permit template (version 4). We developed these conditions in consultation with the waste management industry having regard to the legal requirements of the PPC Regulations, the Landfill Regulations and other relevant legislation.

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

Docks Way Area 2 Landfill Site is located approximately 2.5km south of Newport, Gwent. The installation incorporates the landfill and a waste reception area with access roads.

The landfill is located on low lying former wasteland between the estuary of the River Ebbw and Newport Docks. Part of this land has been reclaimed from original course of the River Ebbw by a river diversion which has realigned the river to the west of the site. Docks Way Landfill Area 1, which is an existing landfill lies immediately to the north of this area and is separated from Area 2 by an engineered cut-off barrier.

The installation has accepted no waste materials, though it is included as part of the existing Waste Management Licence area, EAWML/30058.

It is proposed to develop the landfill in a progressive manner with five principal cells dividing the 16 Ha site into cells of generally 30,000m<sup>2</sup>. Each cell is a fully engineered containment cell with a natural geological barrier and an artificial sealing liner comprising a re-compacted mineral liner. No groundwater control systems are required as an unsaturated zone lies beneath the proposed formation. Leachate will be collected in a piped drainage blanket and abstracted for off-site treatment.

Surface water is collected from the installation in a series of interceptor drains which discharge into the River Ebbw.

Landfill gas will be managed at the site by means of future connection to the two gas engines (operated by Novera Energy Generation No2 Limited, under permit no LP3135SB) and a backup flare, which will require the operator to obtain a variation to this Permit. Whilst gas modelling requires connection to the extant flare in 2008 and the first gas engine in 2009, sacrificial 'Pin' wells will be installed within 12 months for temporary gas collection and disposal.

<b>Status Log of the permit</b>		
<b>Detail</b>	<b>Date</b>	<b>Response Date</b>
Application DP3733BK	Received 09/11/2004	
Response to request for further information	Requested 02/02/2004	Received 13/04/2005
Provision of further information by applicant		Received 26/04/2005 Erratum Notice reference Report No. A2/063
<b>Permit determined</b>	14 /10/2005	
Variation notice MP3730MJ issued	10/05/2007	

<b>Other PPC permits relating to this installation</b>		
<b>Operator</b>	<b>Permit Number</b>	<b>Date of Issue</b>
Not Applicable		

<b>Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation</b>			
<b>Holder</b>	<b>Reference Number</b>	<b>Date of Issue</b>	<b>Fully or Partially Superseded</b>
Newport City Council - Waste Management Licence	EAWML30058	03/06/1987	Fully superseded

<b>Other existing Licences/Authorisations/Registrations relating to this site</b>			
<b>Holder</b>	<b>Reference Number</b>	<b>Date of issue</b>	
Newport City Council – Exemption from waste management licensing	WU1/001118		Paragraphs 12(i) & 12(ii)
Newport City Council – Exemption from waste management licensing	WU/001120		Paragraph 17
Newport City Council – Exemption from waste management licensing	WU/001119		Paragraphs 21(i) & 21(ii)

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

**DP3733BK**

Variation number

**MP3730MJ**

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

**Newport City Council** ("the operator"),

whose registered office is

**Civic Centre**

**Newport**

**Gwent**

**NP20 4UR**

company registration number N/A County Council

to operate an installation at

**Docksway (Area 2) Landfill**

**Docksway**

**Maes Glas**

**Newport**

**Gwent**

**NP20 2NS**

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

The notice shall take effect from 10/05/2007

Signed

Date

**10<sup>th</sup> May 2007**



**Gavin Bown, - Team Leader, Strategic Permitting Team, Bristol**  
Authorised to sign on behalf of the Agency

Variation Number MP3730MJ

**SCHEDULE 1 – CONDITIONS TO BE DELETED**

1. All conditions and schedules are deleted

**SCHEDULE 2 – CONDITIONS TO BE AMENDED**

2. None

**SCHEDULE 3 – CONDITIONS TO BE ADDED**

3. The following conditions and schedules are added to the permit

# Conditions

## 1. Management

### 1.1 General management

1.1.1 The activities shall be managed and operated:

- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and
- (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

### 1.2 Accidents that may cause pollution

1.2.1 The operator shall:

- (a) maintain and implement an accident management plan;
- (b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;
- (c) make any appropriate changes to the plan identified by a review.

### 1.3 Finance

1.3.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Agency dated 14/11/2005 shall be maintained by the operator throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by the Agency.

1.3.2 The operator shall ensure that the charges it makes for the disposal of waste in the landfill cover the cost of operating the landfill, as far as possible the cost of the financial provision required by condition 1.3.1 and the estimated costs for the closure and aftercare of the landfill.

### 1.4 Energy efficiency

1.4.1 The operator shall:

- (a) Review and record at least every 4 years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (b) Implement any appropriate measures identified by a review.

## **1.5 Site security**

1.5.1 Site security measures shall prevent unauthorised access to the site, as far as practicable.

## **2. Operations**

### **2.1 Permitted activities**

2.1.1 The operator is authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

### **2.2 The site**

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 2 to this permit.

### **2.3 Operating techniques**

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1 table S1.2, unless otherwise agreed in writing by the Agency.

2.3.2 The boundary cut off components, on drawing reference 14739/039/Fig 2 Rev A, dated 12/04/05 shall be maintained to ensure that they are fit for purpose in the short, medium and long term. Maintenance records shall be kept.

### **2.4 Off-site conditions**

2.4.1 There are no conditions in this permit to which regulation 12(12) of the PPC Regulations apply.

### **2.5 Improvement programme**

2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Agency.

2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

### **2.6 Pre-operational conditions**

2.6.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.

2.6.2 The operations specified in schedule 1 table S1.4B shall not commence until the measures specified in that table have been completed.

## **2.7 Engineering**

- 2.7.1 No construction of any new cell shall commence until the operator has submitted construction proposals and the Agency has confirmed that it is satisfied with the construction proposals.
- 2.7.2 The construction of a new cell shall take place only in accordance with the approved construction proposals unless:
- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
  - (b) a change has otherwise been agreed in writing by the Agency.
- 2.7.3 No disposal of waste shall take place in a new cell until the operator has submitted a CQA Validation Report and the Agency has confirmed that it is satisfied with the CQA Validation Report.
- 2.7.4 No construction of landfill Infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Agency has confirmed that it is satisfied with the construction proposals.
- 2.7.5 The construction of the landfill Infrastructure shall take place only in accordance with the approved construction proposals unless:
- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
  - (b) a change has otherwise been agreed in writing by the Agency.
- 2.7.6 The operator shall submit a CQA Validation Report as soon as practicable following the construction of the relevant landfill Infrastructure.
- 2.7.7 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.7.4 and 2.7.5 do not apply and the relevant landfill Infrastructure may be constructed, provided that the construction proposals are submitted to the Agency as soon as practicable.
- 2.7.8 For the purposes of conditions 2.7.1, 2.7.3 and 2.7.4, the Agency shall be deemed to be satisfied where it has not, within the period of 4 weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:
- (a) confirmed whether or not it is satisfied; or
  - (b) informed the operator that it requires further information.

## **2.8 Waste acceptance**

- 2.8.1 Wastes shall only be accepted for disposal if:
- (a) they are listed in schedule 3, and
  - (b) they are non- hazardous waste, and
  - (c) they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm), and
  - (d) they are not shredded used tyres, and
  - (e) from 30<sup>th</sup> October 2007 they are not liquid waste (including waste waters but excluding sludge), and

- (f) they are not chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown, and
- (g) all the relevant waste acceptance procedures set out in schedule 1 of the Landfill Regulations have been completed, and
- (h) they fulfil the relevant waste acceptance criteria, and
- (i) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria, and
- (j) from 30<sup>th</sup> October 2007 they are wastes which have been treated, except for: inert wastes for which treatment is not technically feasible; or it is waste other than inert waste and treatment would not reduce its quantity or the hazards which it poses to human health or the environment.
- (k) any code beginning with 07 05 and 16 03 shall exclude waste medicinal products and pharmaceutically active waste materials arising from their manufacture

2.8.2 The operator shall visually inspect:

- (a) without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill; and
- (b) waste at the point of deposit;

and shall satisfy itself that it conforms to the basic characterisation documentation submitted by the holder.

2.8.3 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.

2.8.4 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.

2.8.5 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing 14739/007/203

2.8.6 In accordance with report 14739/005 (A2/011 Rev A), the rate of filling shall not exceed the waste height/time limit identified in the assessment agreed in writing by the Agency.

2.8.7 The quantity of waste that is deposited in the landfill in any year shall not exceed the limits in schedule 1 table S1.5.

2.8.8 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery and, where practicable, origin of any waste that is received for disposal or recovery and of the identity of the producer, or in the case of municipal waste and multiple collection vehicles, of the collector of such waste. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

## **2.9 Leachate levels**

2.9.1 The limits for the level of leachate listed in schedule 4 table S4.1 shall not be exceeded.

## **2.10 Closure, aftercare and decommissioning**

- 2.10.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.
- 2.10.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site of operation to a satisfactory state.
- 2.10.3 The operator shall carry out and record a review of the site closure plan at least every 4 years. *During the operational phase or only after closure?*
- 2.10.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

## **2.11 Site protection and monitoring programme**

- 2.11.1 The operator shall implement and maintain the Site Protection and Monitoring Programme in relation to all areas which will not comprise permanent deposits of waste and shall carry out and record a review of it at least every 4 years commencing from the date the Site Protection and Monitoring Programme was received.

# **3. Emissions and monitoring**

## **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 4 tables.
- 3.1.2 The limits given in that schedule shall not be exceeded, save that compliance with an emission limit shall include incorporation of the uncertainty allowance stated in Agency guidance LFTGN 05 and LFTGN 08.

## **3.2 Emissions to groundwater**

- 3.2.1 There shall be no emission from the activities into groundwater of any substance in List I (as defined by the Groundwater Regulations) contrary to those regulations.
- 3.2.2 There shall be no emission from the activities into groundwater of any substance in List II (as defined in the Groundwater Regulations) so as to cause pollution (as defined in those regulations).
- 3.2.3 The trigger levels for emissions into groundwater for the parameters and monitoring points set out in schedule 4 Table S4.2 shall not be exceeded.
- 3.2.4 The operator shall submit to the Agency a review of the Hydrogeological Risk Assessment:
  - (a) between 9 and 6 months prior to the fourth anniversary of the granting of the permit, and
  - (b) between 9 and 6 months prior to every subsequent 4 years after the fourth anniversary of the granting of the permit.

### **3.3 Fugitive emissions of substances**

- 3.3.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.3.2 Litter or mud arising from the activities shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been used to prevent or where that is not practicable to minimise, the litter and mud.
- 3.3.3 Litter or mud arising from the activities shall be cleared from affected areas outside the site as soon as practicable.
- 3.3.4 All liquids, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.
- 3.3.5 The limits for landfill gas arising from the installation set out in schedule 4, table S4.4, shall not be exceeded.

### **3.4 Odour**

- 3.4.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the odour.

### **3.5 Noise and vibration**

- 3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the noise and vibration.

### **3.6 Monitoring**

- 3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake the monitoring specified in the following tables in schedule 4 to this permit:
  - (a) Leachate specified in tables S4.1 and S4.6;
  - (b) Point source emissions specified in tables S4.3;
  - (c) Groundwater specified in tables S4.2 and S4.7;
  - (d) Landfill gas specified in tables S4.4, and S4.5;
- 3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.6.3 A topographical survey of the site referenced to ordnance datum shall be carried out:

- (a) annually, and
- (b) prior to the disposal of waste in any new cell or new development area of the landfill, and
- (c) following closure of the landfill or part of the landfill.

The topographical survey shall be used to produce a plan of a scale adequate to show the surveyed features of the site.

- 3.6.4 Within 6 months of the issue of this permit (unless otherwise agreed in writing by the Agency) the site reference data identified in the Site Protection and Monitoring Programme shall be collected and submitted to the Agency.

## **3.7 Transfers off-site**

- 3.7.1 Records of all the wastes sent off site from the activities, for either disposal or recovery, shall be maintained.

# **4. Information**

## **4.1 Records**

- 4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
  - (i) the results of groundwater monitoring;
  - (ii) the Site Protection and Monitoring Programme;
  - (iii) sub-surface landfill gas monitoring;
  - (iv) leachate levels, quality and quantities;
  - (v) landfill gas generation and collection;
  - (vi) waste types and quantities;
  - (vii) topographical surveys;
  - (viii) the specification and as built drawings of the basal, sidewall and capping engineering systems

- 4.1.2. Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

- 4.1.3. All records required to be held by this permit shall be held on site and shall be available for inspection by the Agency at any reasonable time.

## 4.2 Reporting

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted with the application;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) the energy consumed at the site, reported in the format set out in schedule 5 table S5.3
- (d) the water consumed at the site, reported in the format set out in schedule 5 table S5.3;
- (e) the annual production/treatment set out in schedule 5 table S5.2;
- (f) details of any contamination or decontamination of the site which has occurred;
- (g) the topographical surveys required by condition 3.6.3 other than those submitted as part of a CQA validation report;
- (h) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;
- (i) an assessment of the settlement behavior of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;
- (j) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey;
- (k) the compliance testing undertaken in the period;

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 5 Table S5.1;
- (b) for the reporting periods specified in schedule 5 Table S5.1 and using the forms specified in schedule 5 Table S5.4; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.

- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.6 The results of reviews and any changes made to the Site Protection and Monitoring Programme shall be reported to the Agency, within 1 month of the review or change.

### **4.3 Notifications**

- 4.3.1 The Agency shall be notified without delay following the detection of:
  - (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
  - (b) the breach of a limit specified in the permit;
  - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.
- 4.3.3. Prior written notification shall be given to the Agency of the following events and in the specified timescales:
  - (a) as soon as practicable prior to the permanent cessation of any of the permitted activities;
  - (b) as soon as practicable prior to the cessation of the landfill disposal activities, for a period likely to exceed 1 month; and
  - (c) at least 7 days prior to the resumption of the landfill disposal activities after a cessation notified under (b) above.
- 4.3.4 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan in respect of any activities other than the disposal of waste in the landfill.
- 4.3.5 Where the Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.6 The Agency shall be notified within 7 days of any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence.
- 4.3.7 The Agency shall be provided, within 14 days of the operator or any relevant person being convicted of a relevant offence, (unless such information has already been notified to the Agency), with details of the nature of the offence, the place and date of conviction, and the sentence imposed.
- 4.3.8 The Agency shall be notified within 14 days of the operator and/or any relevant person lodging an appeal against a conviction for any relevant offence and of the outcome when the appeal is decided.

4.3.9 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

## **4.4 Interpretation**

4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

# Schedule 1 - Operations

**Table S1.1 Activities**

Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity	Limits of specified activity
Section 5.2 Part A(1)(a): The disposal of waste in a landfill.	Landfill for non-hazardous waste (landfill classification under the Landfill Regulations 2002)	Receipt, handling, storage and disposal of non-hazardous wastes, consisting of the types and quantities specified in condition 2.8.1, as an integral part of landfilling.
<b>Directly Associated Activity</b>		
Leachate Management.	Storage of leachate in a facility, prior to off site disposal	Leachate arising from the Permitted landfill
Water discharges to controlled waters.	Discharge of site drainage from the landfill.	From surface water management system to point of entry to controlled water.

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Application	The response to questions, 2.1, 2.2, 2.3, 2.4 and 2.5 in Part B of the Application Form and document reference A2/001, excluding drawing reference 14739/007/SK07 and document reference A2/004 Document reference A2/051: Section 22 – extracts from Working Plant [sic Plan] – amenity management and monitoring and control of mud and debris	09/11/ 2004
Letter, dated 13 April 2005, providing a response to the Schedule 4 Notice, dated 2 February 2005	Letter and attachments, document containing responses to each question, document references A2/001 Rev A, A2/002 Rev A, A2/003 Rev A, A2/004 Rev A, A2/011, A2/012 Rev A, A2/063, A2/064, A2/065, A2/066, A2/067, A2/068, A2/070.	13/04/2005
Erratum Notice	Reference Report No. A2/063 – entire notice	26/04/2005
Drawing reference Number FIGURE 1 title Docksway Landfill Masterplan Area 2 dated 10/08/05 showing the definitive installation boundary	All	15/04/2005
Site Protection and Monitoring Programme	Site Protection and Monitoring Plan submitted in response to condition 2.11 of this permit.	20/07/2006

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
1	Groundwater quality monitoring data, from boreholes GW06/30, GW06/31, GW06/33, GW06/34, GW06/35, GW06/36, GW06/37, GW06/38, GW06/39, GW06/40, GW06/08B and GW03/09 for a 12 month period shall be submitted in writing to the Agency.	Within 12 months of date of issue of variation (10/05/2008)
2	The Operator shall submit a report showing background concentrations of methane and carbon dioxide at external monitoring boreholes and set appropriate trigger levels.	Within 6 months of date of issue of variation (10/11/2007)
3a	The operator shall submit to the Agency a Landfill Gas (LFG) monitoring plan for peripheral monitoring boreholes, specified in TableS4.4. The LFG monitoring proposals shall include but not be limited to: . Assessment criteria . Contingency action plan for implementation on detection of LFG at levels agreed for the assessment criteria. The Action Plan shall identify the actions that shall be taken, and the time-scale to complete them. The LFG monitoring proposals shall be prepared in accordance with relevant guidance contained in Environment Agency publication "Guidance on the management of landfill gas" (LFTGN03).	Within 6 months of date of issue of variation (10/11/2007)
3b	The landfill gas monitoring proposals referred to in 3a above, if approved in writing by the Environment Agency, shall be implemented by the Operator.	
4	The Operator shall submit to the Agency revised compliance levels for specified determinands for boreholes, GP06/24, GP06/25, GP06/26 and GP06/27 for approval in writing (Table S4.4).	Within 4 months of date of issue of variation (10/09/2007)
5	The Operator shall submit groundwater trigger levels for GW06/30, GW06/31, GW06/33, GW06/34, GW06/35, GW06/36, GW06/37, GW06/38, GW06/39, GW06/40, GW06/08B and GW03/09 from collation of background monitoring data from wells. (Table S4.2)	Within 6 months of date of issue of variation (10/11/2007)
6	The Operator shall prepare a training system for all relevant staff shall include prevention of accidental emissions and action to be taken it accidental emissions occur. This training system shall be available for inspection by an authorised officer of the Agency.	Within 3 months of date of issue of variation (10/08/2007)
7	The Operator shall submit a monitoring plan for the in waste monitoring of landfill gas taking account of Agency guidance LFGTN03 The Management of Landfill Gas. The operator shall implement any improvements or measures as agreed in writing with the Environment Agency. Once approved, the limits and parameters should supersede those prescribed in table S4.8 of this permit.	Within 3 months of date of issue of variation (10/08/2007)

<b>Table S1.4A Pre-operational measures</b>	
<b>Reference</b>	<b>Pre-operational Measures</b>
1	Deposit of waste shall not be permitted until a comprehensive assessment of strength gain due to clay consolidation has been made for the entire installation, submitted to the Agency and the Agency has agreed it in writing. The assessment shall consider drainage path lengths in the underlying strata and shall conclude with a table of maximum filling height during each operational year, including a full height/time graph.
2	A written method statement for the preparation and backfilling of the abandoned river channels has been submitted to the Agency and the Agency has agreed it in writing. The method statement details how the works will be undertaken in a manner that will not compromise the very low factor of safety against uplift from groundwater pressure in the underlying gravels. Details shall be submitted for dewatering, de-silting and the placement and compaction of clay fill materials at the time of these operations

**Table S1.4B Pre-operational measures for future development**

<b>Reference</b>	<b>Operation</b>	<b>Pre-operational Measures</b>
1a	Prior to waste deposit in Cells 1 to 5	The Operator shall submit to the Agency for approval, proposals to install at least 2 leachate monitoring points and 1 leachate abstraction point per cell (for cells up to 5ha in area.) The proposals shall include details of location, construction methodology, design of wells and timetable for installation in accordance with Condition 2.7.
1b	Prior to waste deposit in Cells 1 to 5	Within 1 month of the installation of the points installed under reference 1a above, a scale plan shall be submitted to the Agency showing the locations of all leachate monitoring and abstraction points with unique identifiers.
2	All future engineering	Landfill gas shall be collected as soon as reasonably practicable and in any case within 12 months of waste disposal commencing.

**Table S1.5 Annual waste input limits**

<b>Category</b>	<b>Limit Tonnes/ Year</b>
<b>Non-hazardous waste</b>	90,000
<b>Inert waste</b>	13,500

# Schedule 2 - Site plan



## Schedule 3 - List of permitted wastes

<b>Table A Permitted quantities of waste</b>	
<b>01 01</b>	<b>wastes from mineral excavation</b>
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
<b>01 03</b>	<b>wastes from physical and chemical processing of metalliferous minerals</b>
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 10	dusty and powdery wastes other than those mentioned in 01 04 07
01 04 11	waste from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
<b>01 05</b>	<b>drilling muds and other drilling wastes</b>
01 05 04	freshwater drilling muds and wastes
01 05 07	Barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	Chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
<b>02 01</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 01	Sludges from washing and cleaning
02 01 02	Animal tissue waste
02 01 03	Plant-tissue waste
02 01 04	Waste plastics (except packaging)
02 01 06	Animal faeces, urine and manure, [inc spoiled straw], effluent, collected separately and treated off-site
02 01 07	Wastes from forestry
02 01 09	Agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal
<b>02 02</b>	<b>Wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 01	Sludges from washing and cleaning
02 02 02	Animal- tissue waste
02 02 03	Materials unsuitable for consumption or processing
02 02 04	Sludges from on-site effluent treatment
<b>02 03</b>	<b>Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	Wastes from preserving agents
02 03 03	Wastes from solvent extraction
02 03 04	Materials unsuitable for consumption or processing
02 03 05	Sludges from on-site effluent treatment
<b>02 04</b>	<b>Wastes from sugar processing</b>
02 04 01	Soil from cleaning and washing beet
02 04 02	Off-specification calcium carbonate
02 04 03	Sludges from on-site effluent treatment

02 05 01 Materials unsuitable for consumption or processing
02 05 02 Sludges from on-site effluent treatment
<b>02 06 Wastes from the baking and confectionery industry</b>
02 06 01 Materials unsuitable for consumption or processing
02 06 02 Wastes from preserving agents
02 06 03 Sludges from on-site effluent treatment
<b>02 07 Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01 Wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02 Wastes from spirits distillation
02 07 03 Wastes from chemical treatment
02 07 04 Materials unsuitable for consumption or processing
02 07 05 Sludges from on-site effluent treatment
<b>03 01 Wastes from wood processing and the production of panels and furniture</b>
03 01 01 Waste bark and cork
03 01 05 Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>03 03 Wastes from pulp, paper and cardboard production and processing</b>
03 03 01 Waste bark and wood
03 03 02 Green liquor sludge (from recovery of cooking liquor)
03 03 05 De-inking sludges from paper recycling
03 03 07 Mechanically separated rejects from pulping of waste paper and cardboard
03 03 08 Wastes from sorting of paper and cardboard destined for recycling
03 03 09 Lime mud waste
03 03 10 Fibre rejects, fibre-, filler- and coating sludges from mechanical separation
03 03 11 Sludges from on-site effluent treatment other than those mentioned in 03 03 10
<b>04 01 Wastes from the leather and fur industry</b>
04 01 01 Fleshings and lime split wastes
04 01 02 Liming waste
04 01 04 Tanning liquor containing chromium
04 01 05 Tanning liquor free of chromium
04 01 06 Sludges, in particular from on-site effluent treatment containing chromium
04 01 07 Sludges, in particular from on-site effluent treatment free of chromium
04 01 08 Waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09 Wastes from dressing and finishing
<b>04 02 Wastes from the textile industry</b>
04 02 09 Wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10 Organic matter from natural products (for example grease, wax)
04 02 15 Wastes from finishing other than those mentioned in 04 02 14
04 02 17 Dyestuffs and pigments other than those mentioned in 04 02 16
04 02 20 Sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21 Wastes from unprocessed textile fibres
04 02 22 Wastes from processed textile fibres
<b>05 01 Waste from petroleum refining</b>
05 01 10 Sludges from on-site effluent treatment other than those mentioned in 05 10 09
05 01 13 Boiler feedwater sludges
05 01 14 Wastes from cooling columns
05 01 16 Sulphur-containing wastes from petroleum desulphurisation
05 01 17 Bitumen
<b>05 06 Wastes from the pyrolytic treatment of coal</b>

05 06 04 Waste from cooling columns
<b>05 07 Wastes from natural gas purification and transportation</b>
05 07 02 Wastes containing sulphur
<b>06 03 Wastes from the manufacture, formulation, supply and use (MFSU) of salts and their solutions and metallic oxides</b>
06 03 16 Metallic oxides other than those mentioned in 06 03 15
<b>06 05 Sludges from on-site effluent treatment</b>
06 05 03 Sludges from on-site effluent treatment other than those mentioned in 06 05 02
<b>06 06 Wastes from the manufacture, formulation, supply and use (MFSU) of sulphur chemicals, sulphur chemical processes and desulphurisation processes</b>
06 06 03 Wastes containing sulphides other than those mentioned in 06 06 02
<b>06 09 Wastes from the manufacture, formulation, supply and use (MFSU) of phosphorus chemicals and phosphorus chemical processes</b>
06 09 02 Phosphorus slag
06 09 04 Calcium-based reaction wastes other than those mentioned in 06 09 03
<b>06 11 Wastes from the manufacture of inorganic pigments and opacifiers</b>
06 11 01 Calcium-based reaction wastes from titanium dioxide production
<b>06 13 Wastes from inorganic chemical processes not otherwise specified</b>
06 13 03 Carbon black
<b>07 01 Wastes from the Manufacture, Formulation, Supply and Use (MFSU) of Basic Organic Chemicals</b>
07 01 12 Sludges from on-site effluent treatment other than those mentioned in 07 01 11
<b>07 02 Wastes from the MFSU of plastics, synthetic rubber and man-made fibres</b>
07 01 12 Sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13 Waste plastic
07 02 15 Wastes from additives other than those mentioned in 07 02 14
07 02 17 Wastes containing silicones other than those mentioned in 07 02 16
<b>07 03 Wastes from MFSU of organic dyes and pigments (except 06 11)</b>
07 03 12 Sludges from on-site effluent treatment other than those mentioned in 07 03 11
<b>07 04 Wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides</b>
07 04 12 Sludges from on-site effluent treatment other than those mentioned in 07 04 11
<b>07 06 Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics</b>
07 06 12 Sludges from on-site effluent treatment other than those mentioned in 07 06 11
<b>07 07 Wastes from the MFSU of fine chemicals and chemical products not otherwise specified</b>
07 07 12 Sludges from on-site effluent treatment other than those mentioned in 07 07 11
<b>08 01 Wastes from MFSU and removal of paint and varnish</b>
08 01 14 Sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16 Aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18 Wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 20 Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
<b>08 02 Wastes from MFSU of other coatings (including ceramic materials)</b>
08 02 01 Waste coating powders
08 02 02 Aqueous sludges containing ceramic materials
08 02 03 Aqueous suspensions containing ceramic materials
<b>08 03 Wastes from MFSU of printing inks</b>
08 03 07 Aqueous sludges containing ink
08 03 08 Aqueous liquid waste containing ink
08 03 13 Waste ink other than those mentioned in 08 03 12

08 03 15 Ink sludges other than those mentioned in 08 03 14
08 03 18 Waste printing toner other than those mentioned in 08 03 17
<b>08 04 Wastes from MFSU of adhesives and sealants (including waterproofing products)</b>
08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12 Adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14 Aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 16 Aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
<b>09 01 Wastes from photographic industry</b>
09 01 07 Photographic film and paper containing silver or silver compounds
09 01 08 Photographic film and paper free of silver or silver compounds
09 01 10 Single-use cameras without batteries
09 01 12 Single-use cameras containing batteries other than those mentioned in 09 01 11
<b>10 01 Waste from power stations and other combustion plants (except 19)</b>
10 01 01 Bottom ash, slag and boiler dust (except boiler dust mentioned on 10 01 04)
10 01 02 Coal fly ash
10 01 03 Fly ash from peat and untreated wood
10 01 05 Calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07 Calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15 Bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17 Fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19 Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21 Sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23 Aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24 Sands from fluidised beds
10 01 25 Wastes from fuel storage and preparation of coal-fired power plants
10 01 26 Wastes from cooling-water treatment
<b>10 02 Wastes from the iron and steel industry</b>
10 02 01 Wastes from the processing of slag
10 02 02 Unprocessed slag
10 02 08 Solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10 Mill scales
10 02 12 Wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 14 Sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15 Other sludges and filter cakes
<b>10 03 Wastes from aluminium thermal metallurgy</b>
10 03 02 Anode scraps
10 03 05 Waste alumina
10 03 16 Skimmings other than those mentioned in 10 03 15
10 03 18 Carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 20 Flue-gas dust other than those mentioned in 10 03 19
10 03 22 Other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 24 Solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26 Sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28 Wastes from cooling water treatment
10 03 30 Wastes from treatment of salt slags and black drosses other than those mentioned in

10 03 29
<b>10 04 Wastes from lead thermal metallurgy</b>
10 04 10 Wastes from cooling-water treatment other than those mentioned in 10 04 09
<b>10 05 Wastes from zinc thermal metallurgy</b>
10 05 01 Slags from primary and secondary production
10 05 04 Other particulates and dust
10 05 09 Wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11 Dross and skimmings other than those mentioned in 10 05 10
<b>10 06 Wastes from copper thermal metallurgy</b>
10 06 01 Slags from primary and secondary production
10 06 02 Dross and skimmings from primary and secondary production
10 06 04 Other particulates and dust
10 06 10 Wastes from cooling-water treatment other than those mentioned in 10 06 09
<b>10 07 Wastes from silver, gold and platinum thermal metallurgy</b>
10 07 01 Slags from primary and secondary production
10 07 02 Dross and skimmings from primary and secondary production
10 07 03 Solid wastes from gas treatment
10 07 04 Other particulates and dust
10 07 05 Sludges and filter cakes from gas treatment
10 07 08 Wastes from cooling-water treatment other than those mentioned in 10 07 07
<b>10 08 Wastes from other non-ferrous thermal metallurgy</b>
10 08 04 Particulates and dust
10 08 09 Other slags
10 08 11 Dross and skimmings other than those mentioned in 10 08 10
10 08 13 Carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14 Anode scrap
10 08 16 Flue-gas dust other than those mentioned in 10 08 15
10 08 18 Sludges and filter cakes from flue gas treatment
10 08 20 Wastes from cooling-water treatment other than those mentioned in 10 08 19
<b>10 09 Wastes from casting of ferrous pieces</b>
10 09 03 Furnace slag
10 09 06 casting cores and moulds which have not undergone purging other than those mentioned in 10 09 05
10 09 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 10 Flue-gas dust other than those mentioned in 10 09 09
10 09 12 Other particulates other than those mentioned in 10 09 11
10 09 14 Waste binders other than those mentioned on 10 09 13
10 06 16 Waste crack-indicating agent other than those mentioned in 10 09 15
<b>10 10 Wastes from casting of non-ferrous pieces</b>
10 10 03 Furnace slag
10 10 06 Casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 08 Casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 10 Flue-gas dust other than those mentioned in 10 10 09
10 10 12 Other particulates other than those mentioned in 10 10 11
10 10 14 Waste binders other than those mentioned in 10 10 13
10 10 16 Waste crack-indicating agent other than those mentioned in 10 10 15
<b>10 11 Wastes from manufacture of glass and glass products</b>

10 11 03	Waste glass-based fibrous materials
10 11 05	Particulates and dust
10 11 10	Waste preparation mixture before thermal processing , other than those mentioned in 10 11 09
10 11 12	Waste glass other than those mentioned in 10 11 11
10 11 14	Glass-polishing and-grinding sludge other than those mentioned in 10 11 13
10 11 16	Solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 20	Solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
<b>10 12</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 01	Waste preparation mixture before thermal processing
10 12 03	Particulates and dust
10 12 05	Sludges and filter cakes from gas treatment
10 12 06	Discarded moulds
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	Solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	Wastes from glazing other than those mentioned in 10 12 11
10 12 13	Sludges from on-site effluent treatment
<b>10 13</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 13 01	Wastes preparation mixture before thermal processing
10 13 04	Wastes from calcination and hydration of lime
10 13 06	Particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	Sludges and filter cakes from gas treatment
10 13 10	Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	Solid wastes from gas treatment other than those mentioned in 10 13 09 and 10 13 10
10 13 14	Waste concrete and concrete sludge
<b>11 01</b>	<b>Wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)</b>
11 01 10	Sludges and filter cakes other than those mentioned in 10 01 09
11 01 14	Degreasing wastes other than those mentioned in 11 01 13
<b>11 02</b>	<b>Wastes from non-ferrous hydrometallurgical processes</b>
11 02 03	Wastes from the production of anodes for aqueous electrolytical processes
11 02 06	Waste from copper hydrometallurgical processes other than those mentioned in 11 02 05
<b>11 05</b>	<b>Wastes from hot galvanising processes</b>
11 05 01	Hard zinc
11 05 02	Zinc ash
<b>12 01</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	Ferrous metals filing and turnings
12 01 02	Ferrous metal dust and particles
12 01 03	Non-ferrous metal filings and turnings
12 01 04	Non-ferrous meal dust and particles
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>

15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging
<b>15 02</b>	<b>Absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>16 01</b>	<b>End-of-life vehicles from different means of transport (including off-road machinery)</b>
16 01 03	End-of-life tyres
16 01 06	End-of-life vehicles, containing neither liquids nor other hazardous components
16 01 12	Brake pads other than those mentioned in 16 01 11
16 01 16	Tanks for liquefied gas
16 01 17	Ferrous metal
16 01 18	Non-ferrous metal
16 01 19	Plastic
16 01 20	Glass
16 01 22	Components not otherwise specified
<b>17 01</b>	<b>Concrete, bricks, tiles and ceramics</b>
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
<b>17 03</b>	<b>Bituminous mixtures, and tarred products</b>
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
<b>17 04</b>	<b>Metals (including their alloys)</b>
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed metals
17 04 11	Cables other than those mentioned in 17 04 10
<b>17 05</b>	<b>Soil stones and dredging spoil</b>
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 06	Dredging spoil other than those mentioned in 17 05 05
17 05 08	Track ballast other than those mentioned in 17 05 07
<b>17 06</b>	<b>Insulation materials and asbestos-containing construction materials</b>
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03
<b>17 09</b>	<b>Other construction and demolition wastes</b>
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17

09 02 and 17 09 03
<b>18 01 Wastes from natal care, diagnosis, treatment or prevention of disease in humans</b>
18 01 04 Wastes whose collection and disposal is not subject to special requirements in order to prevent infection for example dressings, plaster casts, linen, disposable clothing, diapers)
18 01 07 Chemicals other than those mentioned in 18 01 06
<b>18 02 Wastes from research, diagnosis, treatment or prevention of disease involving animals</b>
18 02 03 Wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06 Chemicals other than those mentioned in 18 02 05
<b>19 01 Wastes from incineration or pyrolysis of waste</b>
19 01 02 Ferrous materials removed from bottom ash
19 01 12 Bottom ash and slag other than those mentioned in 19 01 11
19 01 18 Pyrolysis wastes other than those mentioned in 19 01 17
19 01 19 Sands from fluidised beds
<b>19 02 Wastes from physico/chemical treatments of waste (including dechromation, decyanidation, neutralisation)</b>
19 02 03 Premixed wastes composed only of non-hazardous wastes
19 02 06 Sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 10 Combustible wastes other than those mentioned in 19 02 08 and 19 02 09
<b>19 03 Stabilised/solidified wastes</b>
19 03 05 Stabilised wastes other than those mentioned in 19 03 04
19 03 07 Stabilised wastes other than those mentioned in 19 03 06
<b>19 04 Vitrified waste and wastes from vitrification</b>
19 04 01 Vitrified waste
<b>19 05 Wastes from aerobic treatment of solid wastes</b>
19 05 01 Non-composed fraction of municipal and similar wastes
19 05 02 Non-composted fraction of animal and vegetable waste
19 05 03 Off-specification compost
<b>19 08 Wastes from waste water treatment of solid wastes</b>
19 08 01 Screenings
19 08 02 Waste from desanding
19 08 05 Sludges from treatment of urban waste water
19 08 12 Sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14 Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
<b>19 09 Wastes from the preparation of water intended for human consumption or waste for industrial use</b>
19 09 01 Solid waste from primary filtration and screenings
19 09 02 Sludges from water clarification
19 09 03 Sludges from decarbonation
19 09 04 Spent activated carbon
19 09 05 Saturated or spent ion exchange resins
19 09 06 Solutions and sludges from regeneration of ion exchangers
<b>19 10 Wastes from shredding of metal-containing wastes</b>
19 10 01 Iron and steel waste
19 10 02 Non-ferrous waste
19 10 04 Fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06 Other fractions other than those mentioned in 19 10 05
<b>19 11 Wastes from oil regeneration</b>
19 11 16 Sludges from on-site effluent treatment other than those mentioned in 19 11 05

<b>19 12 Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01 Paper and cardboard
19 12 02 Ferrous metal
19 12 03 Non-ferrous metal
19 12 04 Plastic and rubber
19 12 05 Glass
19 12 07 Wood other than that mentioned in 19 12 06
19 12 08 Textiles
19 12 09 Minerals (for example sand, stones)
19 12 10 Combustible waste (refuse derived fuel)
19 12 12 Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
<b>19 13 Wastes from soil and groundwater remediation</b>
19 13 02 Solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04 Sludges from soil remediation other than those mentioned in 19 13 03
19 13 06 Sludges from groundwater remediation other than those mentioned in 19 13 05
<b>20 01 Separately collected fractions (except 15 01)</b>
20 01 01 Paper and cardboard
20 01 02 Glass
20 01 08 Biodegradable kitchen and canteen waste
20 01 10 Clothes
20 01 11 Textiles
20 01 25 Edible oil and fat
20 01 28 Paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30 Detergents other than those mentioned in 20 01 29
20 01 32 Medicines other than those mentioned in 20 01 31
20 01 34 Batteries and accumulators other than those mentioned in 20 01 33
20 01 36 Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38 Wood other than that mentioned in 20 01 37
20 01 39 Plastics
20 01 40 Metals
20 01 41 Waste from chimney sweep
<b>20 02 Garden and park wastes (including cemetery waste)</b>
20 02 01 Biodegradable waste
20 02 02 Soil and stones
20 02 03 Other non-biodegradable wastes
<b>20 03 Other municipal wastes</b>
20 03 01 Mixed municipal waste
20 03 02 Waste from markets
20 03 03 Street-cleaning residues
20 03 04 Septic tank sludge
20 03 06 Waste from sewage cleaning
20 03 07 Bulky wastes.

## Schedule 4 – Emissions and monitoring

**Table S4.1 Leachate level limits and monitoring requirements**

<b>Monitoring point reference/ Description</b>	<b>Limit</b>	<b>Monitoring frequency</b>	<b>Monitoring method</b>
All leachate abstraction points and all additional and replacement abstraction points	2 m above cell base	Monthly	In accordance with EA Guidance on monitoring of landfill leachate, groundwater and surface water (LFTGN02)

**Table S4.2 Trigger levels for emissions into groundwater and monitoring requirements**

Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method	
GW03/13* as shown on plan Fig 1 Additional Groundwater Locations 2(b).dwg	Arsenic	17.5 (µg/l)	Spot Sample	Quarterly	Unless otherwise agreed in writing with the Agency monitoring methods used shall be in accordance with Agency guidance document	
	Ammoniacal N	15.0 (mg/l)				
	Benzene	1.0 (µg/l)				
	Mercury	0.05 (µg/l)				
	Naphthalene	1.0 (µg/l)				
	Nickel	3.8(µg/l)				
	Phenol	37.5 (µg/l)				
	Potassium	81 (mg/l)				
	TPH (c10-c40)	1.864 (mg/l)				
	m/p-Xylene	3 (µg/l)				
	o-Xylene	3 (µg/l)			'Guidance on monitoring of landfill leachate, groundwater and surface water (LFTGN02)'	
GW06/14A*	Arsenic	8.8 (µg/l)	Spot Sample	Quarterly		
	Ammoniacal N	251.4 (mg/l)				
	Benzene	3.8 (µg/l)				
	Mercury	0.25 (µg/l)				
	Naphthalene	7.5 (µg/l)				
	Nickel	32.5 (µg/l)				
	Phenol	25 (µg/l)				
	Potassium	169 (mg/l)				
	TPH (c10-c40)	2.904 (mg/l)				
	m/p-Xylene	18.8 (µg/l)				
	o-Xylene	5 (µg/l)				
GW06/30, GW06/33, GW06/35, GW06/37, GW06/39, GW06/08B, GW03/09 *	GW06/31, GW06/34, GW06/36, GW06/38, GW06/40,	Arsenic	tbc**	Spot Sample	Quarterly	
		Ammoniacal N	tbc**			
		Benzene	tbc**			
		Mercury	tbc**			
		Naphthalene	tbc**			
		Nickel	tbc**			
		Phenol	tbc**			
		Potassium	tbc**			
		TPH (c10-c40)	tbc**			
		m/p-Xylene	tbc**			
		o-Xylene	tbc**			

**Footnote \*** All Monitoring Points as shown on revised Figure 2, Document Design of a Site Protection and Monitoring Programme (SPMP).

**Footnote \*\*** to be confirmed following the collation of background monitoring data from wells GW06/30, GW06/31, GW06/33, GW06/34, GW06/35, GW06/36, GW06/37, GW06/38, GW06/39, GW06/40 and GW06/08B and GW03/09 as a result of improvement condition S1.3 IC (5)

tbc = to be confirmed

**Table S4.4 Landfill gas in external monitoring boreholes – limits and monitoring requirements**

Monitoring point Ref. /description	Parameter	Limit (including units) above background**	Monitoring frequency	Monitoring standard or method
GP03/06 *	Methane	1.0% v/v	Monthly	In accordance with EA 'Guidance on the management of Landfill Gas' (LFTGN03)
	Carbon Dioxide	6.1% v/v		
GP06/08A *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	2.4% v/v		
GP05/14 *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	2.2% v/v		
GP05/15 *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	10.4% v/v		
GP05/16 *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	7.7% v/v		
GP05/17 *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	13.5% v/v		
GP05/18 *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	19% v/v		
GP05/20 *	Methane	None Set	Monthly	
	Carbon Dioxide	None Set		
GP05/21 *	Methane	None Set	Monthly	
	Carbon Dioxide	None Set		
GP05/22 *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	8.3% v/v		
GP05/23 *	Methane	1.0% v/v	Monthly	
	Carbon Dioxide	5.5% v/v		
GP06/24, GP06/25, GP06/26, GP06/27*	Methane	Tbc***	Monthly	
	Carbon Dioxide	Tbc***		

Footnote \* Monitoring Points as shown on revised Figure 2, Document Design of a Site Protection and Monitoring Programme (SPMP).

Footnote \*\*The limits specified may need to be altered to take account of the background concentrations agreed in writing with the Environment Agency as a result of improvement condition Table S1.3(2).

Footnote\*\*\* to be confirmed following the collation of background monitoring data from wells GP06/24, GP06/25, GP06/26 and GP06/27 as a result of improvement condition S1.3 IC (4).

**Table S4.5 Landfill gas from capped surfaces - monitoring requirements**

Monitoring point Ref. /description	Parameter	Monitoring frequency	Other specifications	Monitoring Standard or method
Permanently capped zone	Average Methane flux	Annually	Where a rate of 0.001 mg/m <sup>2</sup> /second is exceeded appropriate measures must be taken to reduce the rate.	Flame ionisation detector walkover, flux box or as otherwise agreed in writing by the Agency*.
Temporarily capped zone	Average Methane flux	Annually	Where a rate of 0.1 mg/m <sup>2</sup> /second is exceeded appropriate measures must be taken to reduce the rate.	Flame ionisation detector walkover, flux box or as otherwise agreed in writing by the Agency*.

Footnote \* If a cap has previously been shown compliant and there have been no significant physical changes in the gas management during the year, a detailed walkover survey with an FID can be used to demonstrate that the surface emissions are under control. If this survey shows no change in the pattern of methane emission, it may be used as the annual survey. The values for flux and total methane emissions measured in the previous year may be reported and a fresh flux box survey is not necessary. If the zone remains stable, the results of a full walkover survey may be accepted as the site report for a period of four years before a further quantitative flux box survey is required.

**Table S4.6 Leachate– other monitoring requirements**

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specs.
All leachate abstraction points and all additional and replacement abstraction points	Electrical conductivity, Temperature, pH, Total alkalinity, Total hardness, Ionic Balance, BOD, COD, TON, TOC, Ammoniacal – N, Chloride, Nitrate, Nitrite, Phosphate, Sulphate, Sulphide, Arsenic, Boron, Cadmium Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Potassium, Selenium, Zinc, Benzene, Naphthalene, Phenol, Cyanide, TPH screen (c10-c40 C40)	Quarterly	In accordance with methods provided in document reference A2/012 Rev A	
	Full List I screen	Annually	In accordance with Appendix 6 of EA Guidance document LFTGN01	
	Leachate volume	Monthly		
	Depth to monitoring point base (m)	Quarterly	In accordance with EA Guidance document LFTGN02	

**Table S4.7 Groundwater – other monitoring requirements**

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method
Boreholes GW03/13, GW03/08B, GW03/09, GW06/14A, GW06/30, GW06/31, GW06/33, GW06/34, GW06/35, GW06/36, GW06/37, GW06/38, GW06/39 and GW06/40.	Electrical conductivity, Temperature pH Total alkalinity Total hardness Ionic Balance BOD, COD, TON, TOC Ammoniacal – N Chloride, Nitrate Nitrite, Phosphate, Sulphate Sulphide Arsenic, Boron Cadmium Chromium Copper, Iron Lead, Manganese, Mercury, Nickel, Potassium Selenium, Zinc, Benzene Naphthalene Phenol, Cyanide, TPH screen (c10- c40)	Quarterly	In accordance with methods provided in document reference A2/012 Rev A
Boreholes GW06/08B, GW03/09, GW06/14A, GW06/30, GW06/31, GW06/33, GW06/34, GW06/35, GW06/36, GW06/37, GW06/38, GW06/39 and GW06/40.	Full List I screen	Annually	In accordance with Appendix 6 of EA Guidance document LFTGN01
Boreholes GW06/08B, GW03/09, GW06/14A, GW06/30, GW06/31, GW06/33, GW06/34, GW06/35, GW06/36, GW06/37, GW06/38, GW06/39 and GW06/40.	Groundwater Levels (mAOD)	Monthly	In accordance with EA Guidance document LFTGN02
	Depth to monitoring point base (m)	Annually	

**Table S4.8 Landfill gas – other monitoring requirements**

<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
In waste monitoring boreholes*	To be agreed in writing with the Environment Agency.*	Monthly	To be agreed in writing with the Environment Agency.	None

**Footnote \*** The In waste Landfill gas monitoring boreholes and parameter are to be agreed in writing with the Environment Agency as a result of improvement condition S1.3 (7)

## Schedule 5 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

**Table S5.1 Reporting of monitoring data**

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Leachate levels As required by condition 3.6.1	Monitoring points specified in Table 4.1	Quarterly	From date of issue of Variation 10/05/2007
Groundwater Parameters as required by condition 3.6.1	Monitoring points specified in Table 4.2	Quarterly	From date of issue of Variation 10/05/2007
Landfill gas surface emissions Parameters as required by condition 3.6.1	Monitoring points specified in Table 4.5	Annually	From date of issue of Variation 10/05/2007
Landfill gas lateral migration Parameters as required by condition 3.6.1	Monitoring points specified in Table 4.4	Quarterly	From date of issue of Variation 10/05/2007
Other leachate monitoring Parameters as required by condition 3.6.1	Monitoring points specified in Table 4.6	Quarterly	From date of issue of Variation 10/05/2007
<ul style="list-style-type: none"> <li>• Depth to monitoring point base</li> <li>• List 1 Screen</li> <li>• Leachate volume</li> </ul>		Quarterly Annually Quarterly	
Other groundwater monitoring Parameters as required by condition 3.6.1	Monitoring points specified in Table 4.7	Quarterly	From date of issue of Variation 10/05/2007
<ul style="list-style-type: none"> <li>• Depth to monitoring point base</li> <li>• List 1 Screen</li> <li>• Groundwater Levels (mAOD)</li> </ul>		Annually Annually Quarterly	

**Table S5.2: Annual production/treatment**

Leachate: Disposed of off site; Disposed of to any onsite effluent treatment plant; Recirculated into the waste mass.	Cubic metres/year
Surface water and/ or groundwater: Disposed of off site; Disposed of to any onsite effluent treatment plant.	Cubic metres/year
Landfill gas: combustion in flares; combustion in gas engines; Other methods of gas utilisation.	Normalised cubic metres/year

**Table S5.3 Performance Parameters**

Parameter	Frequency of assessment	Annual total	Unit
Potable water use	Annually		Cubic metres
Energy used (including for leachate treatment)	Annually		MWh of electricity
Non potable water use	Annually		Cubic metres

**Table S5.4 Reporting Forms**

Media/parameter	Reporting Format	Date of Form
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Agency	
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Agency	
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Agency	
Waste Return	Waste Return Form RATS2E	
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Agency	

## Schedule 6 - Notification

This page outlines the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

### Part A

Permit Number	<b>MP3730MJ</b>
Name of operator	<b>Newport City Council</b>
Location of Installation	<b>Docks Way Area 2 landfill, Docks Way, Maes Glas, Newport, Gwent, NP20 5NS</b>
Time and date of the detection	

#### **(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution**

<b>To be notified within 24 hours of detection</b>	
Date and Time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

#### **(b) Notification requirements for the breach of a limit**

<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

**Part B to be supplied as soon as practicable**

<b>Any more accurate information on the matters for notification under Part A.</b>	
<b>Measures taken, or intended to be taken, to prevent a recurrence of the incident</b>	
<b>Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission</b>	
<b>The dates of any unauthorised emissions from the installation in the preceding 24 months.</b>	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of Newport City Council.

## Schedule 7 - Interpretation

“*Accident*” means an accident that may result in pollution.

“*Annually*” means once every Year.

“*Application*” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 4 to the PPC Regulations

“*Authorised Officer*” means any person authorised by the Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in Section 108(4) of that Act.

“*Background concentration*” means such concentration of that substance as is present in:

- For emissions to surface water, the surface water quality up-gradient of the site; or
- For emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge; or
- For emissions of landfill gas, the ground or air outside the site and not attributable to the site.

“*Construction Proposals*” means written information, at a level of detail appropriate to the complexity and pollution risk, on the design, specifications of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the New Cell or Landfill Infrastructure.

“*CQA Validation Report*” means the final “as built” construction and engineering details of the New Cell or of the Landfill Infrastructure. It must provide a comprehensive record of the construction and must include, where relevant:

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- “As-built” plans and sections of the works;
- Copies of the site engineer’s daily records;
- Records of any problems or non-compliances and the solution applied;
- Any other site specific information considered relevant to proving the integrity of the New Cell or Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

“*Fugitive emission*” means an emission to air, water or land from the activities which is not controlled by an emission or background concentration limit.

“*Groundwater Regulations*” means the Groundwater Regulations SI 1998 No. 2746, and words and expressions used in this permit which are also used in the Regulations shall have the same meanings as in those Regulations.

“*Landfill Infrastructure*” means any specified element of the:

- permanent capping;
- temporary capping (i.e. engineered temporary caps not cover materials);
- leachate abstraction systems;
- leachate transfer, treatment and storage systems;
- surface water drainage systems;
- leachate monitoring wells;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;
- landfill gas management systems;

within the site.

“*Landfill Regulations*” means the Landfill (England and Wales) Regulations SI 2002 No. 1559, and words and expressions used in this permit which are also used in the Regulations shall have the same meanings as in those Regulations.

“*Land Protection Guidance*” means Agency guidance “H7 - Guidance on the protection of land under the PPC Regime: Application site report and site protection monitoring programme”.

“*Liquids*” means any liquid other than leachate within the engineered landfill containment system.

“*LFTGN 05*” means Environment Agency Guidance for monitoring enclosed landfill gas flares, September 2004.

“*LFTGN 08*” means Environment Agency Guidance for monitoring landfill gas engines, September 2004.

“*New Cell*” means any new cell, part of a cell or other similar new area of the site where waste deposit is to commence after issue of this permit and can comprise:

- groundwater under-drainage system;
- permanent geophysical leak location system;
- leak detection layer;
- sub-grade;
- barriers;

- liners;
- leachate collection system;
- leachate abstraction system;
- separation bund/layer;
- cell or area surface water drainage system;
- side wall subgrade and containment systems;

for the New Cell.

"*No impact*" means that the change made to the construction process will not alter the agreed design criteria, specification or performance.

"notify without delay" and "notified without delay" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

"*PPC Regulations*" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"*Quarter*" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"*Relevant person*" and "*relevant conviction*" shall have the meanings given to them in the Environmental Protection Act 1990

"*Review of the Hydrogeological Risk Assessment*" means a written review of the hydrogeological risk assessment included in the Application, together with any other parts of the Application that addressed the requirements of the Groundwater Regulations. The review shall assess whether the activities of disposal or tipping for the purpose of disposal of waste authorised by the permit continue to meet the requirements of the Groundwater Regulations

"*Site Protection and Monitoring Programme*" means a document which meets the requirements for Site Protection and Monitoring Programmes described in the Land Protection Guidance.

"*Technically competent management*" and "*technical competence*" shall have the meanings given to them in the Environmental Protection Act 1990.

"waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, List of Wastes (Northern Ireland) Regulations 2005 (as amended), or The Special Waste Amendment (Scotland) Regulations 2004 as appropriate, and in relation to hazardous waste, includes the asterisk

"*Year*" means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means the standards included in Environment Agency Guidance for Monitoring Enclosed Landfill Gas Flares LFTGN 05 or Guidance for Monitoring Landfill Gas Engine Emissions LFTGN 08.

END OF PERMIT