

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Witcham Meadlands Landfill

Mick George Limited
Block Fen Drove
Mepal
Chatteris
Cambridgeshire
CB6 2AY

Variation notice number
EPR/LP3996ND/V002

Permit number
EPR/LP3996ND

Witcham Meadlands Landfill

Permit number EPR/LP3996ND

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010 S.I.2010 No. 675 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

The effect of the variation is:

- to add an installation, namely a non-hazardous landfill in Phase 9;
- to increase the tonnage of inert waste; and
- to add an additional area, Phase 10, for deposit of inert waste.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions, Schedule 3 lists any conditions that have been added and Schedule 4 shows any changes to the plan.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status Log of the permit		
Detail	Date	Response Date
Application BX0377IX	Received 17/12/03	
Response to Schedule 4 Notice	Request dated 29/03/04	Response by e-mail dated 02/04/04
Response to Schedule 4 Notice	Request dated 13/04/04	17/09/04 ESI document
Response to Schedule 4 Notice	Request dated 29/09/04	Responses received 27/10/04, 18/02/05 and 23/02/05
Response to Schedule 4 Notice	Request dated 21/03/05	Responses received letter 14/04/05, Documents 08/06/05, letter 21/06/05, Document 12/07/05, letter 12/08/05, letter 14/09/05
Request to extend determination date of Schedule 4 Notice	Request dated 20/06/05	Request accepted 22/06/05
Request to extend determination date of Schedule 4 Notice	Request dated 11/07/05	Request accepted 25/07/05
Request to extend determination date of Schedule 4 Notice	Request dated 01/09/05	Request accepted 01/09/05
Permit determined BX0377IX	16/12/05	
Agency initiated variation UP3230MD issued	25/06/07	

Status Log of the permit		
Detail	Date	Response Date
EPR permit number issued EPR/LP3996ND/A001	17/11/09	
Variation Application EPR/LP3996ND/V002	Received 17/11/09	
Variation EPR/LP3996ND/V002 determined	19/08/2010	

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2010

Permit number

EPR/LP3996ND

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2010 No 675) varies the permit as set out below.

Mick George Limited ("the operator"),

whose registered office/or principal office is

Meadow Lane

St Ives

Huntingdon

Cambridgeshire

PE27 4YQ

company registration number **02417831**

holds a permit to operate a regulated facility at

Witcham Meadlands Landfill Site

Block Fen Drove

Mepal

Chatteris

Cambridgeshire

CB6 2AY

and that permit is varied to the extent set out in Schedules 1 to 4 of this notice.

The notice shall take effect from 19th August 2010.

Name	Date
PAUL BUTLER	19/08/2010

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

The following conditions are amended as follows:

Condition 1.3.2 (b) shall be amended so that the financial provision for the non-hazardous landfill shall be taken into account and reads as follows:

- (b) the costs of the financial provision required by condition 1.3.1 and 1.3.3;

Condition 2.4 is amended to reflect the change in regulations that are in force at the time of this variation and reads as follows:

- 2.4 There are no conditions within this Permit to which regulation 15 of the Environmental Permitting (England and Wales) Regulations 2010 apply.

Schedule 1, table S1.1 shall be amended by adding the activity relating to the non-hazardous landfill and amending the reference to the inert landfill:

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
A1	S5.2 A (1) (a) The disposal of waste in a landfill	Landfill for non-hazardous waste (D5 –Specially engineered landfill)	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.8, as an integral part of landfilling in Phase 9 only, as shown edged in green on drawing reference MG424/22.
Directly Associated Activity			
A2	Water discharges to controlled waters	Discharge of site drainage from the landfill.	From surface water management system to point of entry to controlled waters (SW3 and SW4 on plan drawing WM/SW/01A).
Description of activities for waste operations		Limits of activities	
A3	D1: Deposit into or onto land	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.8, as an integral part of landfilling in Phases 1 to 8 and 10 only.	

Schedule 1, table S1.2 shall be amended to reflect the change in operating techniques introduced by this variation.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The responses to questions 1.2.5, 1.2.28, 1.2.29, 1.2.30, 2.1, 2.2.6, 2.3.16, 2.3.64, 2.3.65, 2.3.66, 2.3.67, 2.3.69, 2.5.1, 2.5.3 and 4.4.4 in part B of the Application Form.	17/12/03
Document and drawings	Volume III Conceptual Model and Working Plan, sections: 2.4, 2.5, 2.6 (except in relation to drainage). 3.11, 3.13, 4.3, 4.4, 5.3, 5.4, 5.5, 5.6, 5.10, 6.6, 6.7, 6.8, 6.9, 6.11, 6.12, 7.4, 7.7, 7.12, 8.4, 9.7, 9.8, 9.9, appendix 4, appendix 5, appendix 6, section 1.4 of appendix 9, section 3 of appendix 9 and section 4 of appendix 9.	17/12/03
Document and drawings	Volume II Conceptual Model and Working Plan, appendix hydrogeological risk assessment.	17/12/03

Table S1.2 Operating techniques		
Description	Parts	Date Received
Letter	The following sections of letter dated 27/10/04: Volume I, section 6, paragraphs 1,2,3,4,5 and 6; Plan drawing WM/SR/06a; Volume II, section 2, paragraph 2; Volume II, appendix 2, section 4, paragraphs 1 and 2; Volume III, section 2, paragraph 3; Volume III, section 4, paragraph 1; Volume V, section 5.	27/10/04
Document and drawings	Volume III Conceptual Model and Working Plan, appendix 8 gas monitoring plan.	08/06/05
Document and drawings	Volume II Conceptual Model and Working Plan, appendix 2 surface water monitoring plan.	29/09/05
Document and drawings	Proposed Site Investigation Report.	08/06/05
Document and drawings	Volume III conceptual Model and Working Plan, appendix 7 groundwater monitoring plan.	08/06/05
Letter	The following sections of letter dated 18/02/05: iii) Capping arrangements.	18/02/05
Letter	The following sections of letter (email) dated 07/04/05 (14:38 hours): Point number 2; Point number 4.	07/04/05
Letter	The following sections of letter dated 14/04/05: Condition 5 (monitoring boreholes); Condition 6 (drainage from quarantine and waste reception area).	14/04/05
Letter	The following sections of letter dated 13/5/05: Condition 1, point 3 (monitoring boreholes).	13/5/05
Document (Plan)	SDA/006711/03	06/05
Letter	The following sections of letter dated 11/07/05: Paragraph 2 relating to the depth of the clay basal barrier.	11/07/05
Letter	Section 3 site investigation	11/08/05
Documents	Financial provision document	11/08/05
Document	Waste Acceptance Criteria	08/06/05
Report and drawings	Final SW and Gas plans submitted 20th April 2006.	20/04/06
Report and drawings	Final GW Plan Submitted 15/06/2006	15/06/06
Dust Plan	Final Plan submitted 12/01/07	12/01/07
Variation Application EA/EPR/LP3996ND/V002	The responses to questions C2a, C2b, C2d, C3, C5, C6e, C7a and C7b of the variation application and the Non-Technical Summary document of the variation application.	17/11/09
Letter from Prof Stephen L Willets dated 22/12/09	Revised design of cap for Phase 9.	23/12/09
Request for Further Information dated 01/04/10	The responses to questions 1, 2 and 6 of the Request for Further Information letter.	15/04/10

Table S1.2 Operating techniques		
Description	Parts	Date Received
Additional information submitted by email	Drawings referenced: <ul style="list-style-type: none"> • MG424/22 "Monitoring Location Plan" • 053-09-081-15A "Typical Leachate Collection System Detail" • 053-09-081-15A/01 "Site Plan Showing Section Locations" • 053-09-081-15A/02 "Typical Liner System Sections" 	07/06/10
Request for Further Information by notice dated 15/06/10	Response to questions 1b, 2 and 5	24/06/10

Schedule 1, table S1.3 shall be amended as reference 1 has been completed and a new requirement is being added.

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
1 *	The operator shall prepare and submit to the Agency for written approval a report detailing background concentrations of sulphate and cadmium in groundwater and derived trigger levels for those substances. The review shall be in accordance with the guidance provided in LFTGN01 – Hydrogeological Risk Assessment for Landfills and derivation of control and trigger levels. Once approved the trigger levels shall form part of table S4.2.	completed
2	The operator shall submit a report in writing to the Environment Agency for approval with revised trigger levels, where appropriate, for carbon dioxide for boreholes Gas 1, 2 and 3 based on a review of existing monitoring data for these boreholes.	28/02/2011
3	The operator shall submit written proposals to the Environment Agency for approval for in-waste landfill gas monitoring in Phase 9 in accordance with Environment Agency document LFTGN03 "Guidance on the management of landfill gas", dated September 2004, that shall include: <ul style="list-style-type: none"> • A plan showing the location and reference number of the proposed in-waste monitoring points; • Details of the construction of the monitoring points; and • Timescale for the installation of the monitoring points. 	28/02/2011

* This requirement is no longer necessary.

Schedule 1, table S1.4 shall be amended to include the permitted quantity of non-hazardous waste and the increase in inert waste subject of the variation.

Table S1.4 Annual waste input limits	
Category	Limit Tonnes/Year
Inert Waste	258,000
Non-Hazardous Waste (Phase 9 Only)	42,000

Table S4.2 in Schedule 4 shall be amended by removing the last two rows and adding a trigger level for cadmium.

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
GW1	Ammonia	0.869 mg/l	Spot Sample	Quarterly	In accordance with LFTGN 02 or as otherwise agreed in writing with the Environment Agency
GW2	Ammonia	1.210 mg/l	Spot Sample	Quarterly	
GW3	Ammonia	2.260 mg/l	Spot Sample	Quarterly	
GW5	Ammonia	1.458 mg/l	Spot Sample	Quarterly	
GW7	Ammonia	1.567 mg/l	Spot Sample	Quarterly	
GW8	Ammonia	1.060 mg/l	Spot Sample	Quarterly	
GW1, GW2, GW3, GW5, GW7, GW8,	Chloride	250 mg/l	Spot Sample	Quarterly	
	Cadmium	1 µg/l			

The following tables in Schedule 4 shall be amended by adding the monitoring required in relation to the non-hazardous landfill:

Table S4.4 Landfill gas – other monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
1 in-waste borehole per phase to be installed as set out in the Gas Monitoring Plan dated March 2006	Methane, carbon dioxide, oxygen, carbon monoxide, atmospheric pressure, differential pressure, temperature, meteorological data	Monthly	In accordance with LFTGN03 or as otherwise agreed in writing with the Environment Agency.	None
In-waste monitoring points in Phase 9 (as agreed in accordance with table S1.3 reference 3)	Methane, carbon dioxide, oxygen, atmospheric pressure, differential pressure, temperature, meteorological data	Monthly	In accordance with LFTGN03 or as otherwise agreed in writing with the Environment Agency.	None
Gas 1, Gas 2, Gas 3	Oxygen, atmospheric pressure, differential pressure, temperature, meteorological data	Quarterly	In accordance with LFTGN03 or as otherwise agreed in writing with the Environment Agency.	None

Table S4.6 Groundwater – other monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
GW1, GW2, GW3, GW4, GW5, GW6, GW7, GW8, GW9, GW10, GW11, GW12	Water level, Hazardous substances	Annually	In accordance with Environment Agency document LFTGN02 "Guidance on the Monitoring of Landfill Leachate, Groundwater and Surface Water", dated February 2003.	Hazardous substances suite in accordance with Appendices 1 and 6 of Environment Agency document LFTGN01 "Hydrogeological Risk Assessments for Landfills", dated March 2003.
GW3, GW4, GW7,	pH, conductivity, ammonia, cadmium, chloride, sulphate and zinc	Quarterly	In accordance with Environment Agency document LFTGN02 "Guidance on the Monitoring of Landfill Leachate, Groundwater and Surface Water", dated February 2003.	None
GW1, GW2, GW5, GW6, GW8, GW9, GW10, GW11, GW12	pH, conductivity, alkalinity (as CaCO ₃), BOD, COD, ammonia, antimony, arsenic, cadmium, calcium, chloride, chromium, copper, iron, lead, manganese, magnesium, mercury, nickel, potassium, selenium, sodium, sulphate, zinc	Monthly for 12 months, then quarterly	In accordance with Environment Agency document LFTGN02 "Guidance on the Monitoring of Landfill Leachate, Groundwater and Surface Water", dated February 2003.	None

The following tables in Schedule 5 shall be amended to take account of the non-hazardous landfill.

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	Two leachate monitoring wells	Every 3 months	from installation of the leachate wells
Emissions to water Parameters as required by condition 3.6.1	SW4 and SW3	Every 3 months	25/06/07 or date as agreed in writing with the Agency
Groundwater Parameters as required by condition 3.6.1	GW1, GW2, GW3, GW4, GW5, GW6, GW7, GW8	Every 12 months	25/06/07 or date as agreed in writing with the Agency
Groundwater Parameters as required by condition 3.6.1	GW9, GW10	Every 3 months	19/08/2010
Landfill gas lateral migration Parameters as required by condition 3.6.1	Gas 1, Gas 2, Gas 3, Gas 4, Gas 5, Gas 6, Gas 7	Every 12 months	25/06/07 or date as agreed in writing with the Agency for Gas 1 to 3. From 19/08/2010 for Gas 4 to 7.
Other landfill gas monitoring Parameters as required by condition 3.6.1	1 in-waste borehole per phase to be installed as set out in the Gas Monitoring Plan dated March 2006. Gas 1, Gas 2, Gas 3, Gas 4, Gas 5, Gas 6, Gas 7,	Every 12 months	25/06/07 or date as agreed in writing with the Agency
Other leachate monitoring Parameters as required by condition 3.6.1	Leachate well	Every 3 months Every 12 months for annual parameters	from installation of the leachate wells
Other surface water monitoring Parameters as required by condition 3.6.1	SW1, SW2, SW3, SW4, SW5 and SW6	Every 3 months	25/06/07 or date as agreed in writing with the Agency
Other groundwater monitoring Parameters as required by condition 3.6.1	GW1, GW2, GW3, GW4, GW5, GW6, GW7, GW8, GW9, GW10, GW11, GW12	Every 3 months	19/08/2010

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

Table S5.3 Reporting Forms		
Media/parameter	Reporting Format	Date of Form
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	19/08/2010
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	19/08/2010
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	19/08/2010
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	19/08/2010
Waste Return	Waste Return Form RATS2E	
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	

Schedule 3 – conditions to be added

The following conditions relating to the non-hazardous landfill shall be added to the permit:

- 1.3.3 No activities authorised by this permit shall be commenced in Phase 9 unless the operator has entered into an Agreement with the Agency to secure financial provision for meeting the obligations under this permit and has provided the provision.
- 1.3.4 The operator shall give prior notice to the Agency of its intention to commence operations in Phase 9.
- 1.3.5 The Financial Provision provided under condition 1.3.3 above shall thereafter be maintained by the operator throughout the subsistence of the permit and the operator shall produce evidence of such provision whenever required by the Agency.

1.5 Energy efficiency

1.5.1 For the activities referenced A1 in schedule 1, table S1.1 the operator shall:

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

2.6.1 The activities referenced A1 in schedule 1, table S1.1 shall not be brought into operation until the measures specified in schedule 1 table S1.5 have been completed.

2.7.9 For the activities referenced A1 in schedule 1, table S1.1 where the operator proposes to construct any new cell other than the first cell, but proposes no change from the design of the most recently approved cell which could have any impact on the performance of any element of the design, no construction of the new cell shall commence until the operator has submitted a cell layout drawing and the Environment Agency has confirmed that it is satisfied with the cell layout drawing.

2.7.10 For the activities referenced A1 in schedule 1, table S1.1 where the Environment Agency has required further information under condition 2.7.8(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:

- (a) confirmed whether or not it is satisfied; or
- (b) informed the operator that it requires further information.

The following shall be added to condition 2.8.1

- (h) For the activities referenced A1 in schedule 1, table S1.1 they are non- hazardous waste, and
- (i) for the activities referenced A1 in schedule 1, table S1.1 they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm), and
- (j) for the activities referenced A1 in schedule 1, table S1.1 they are not shredded used tyres, and

- (k) for the activities referenced A1 in schedule 1, table S1.1 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
- (l) for the activities referenced A1 in schedule 1, table S1.1 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.

The following conditions relating to the non-hazardous landfill shall be added as follows:

2.8.7 For the activities referenced A1 in schedule 1, table S1.1 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.

2.11 Leachate levels

2.11.1 For the activities referenced A1 in schedule 1, table S1.1 the limits for the level of leachate listed in schedule 4 table S4.7 shall not be exceeded.

2.12 Landfill gas management

2.12.1 For the activities referenced A1 in schedule 1, table S1.1 the operator shall take appropriate measures, including, but not limited to, those specified in any approved landfill gas management plan, to:

- (a) control the migration of landfill gas.

2.13 Pests

2.13.1 For the activities referenced A1 in schedule 1, table S1.1 the activities shall not give rise to pollution or hazards from pests. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been

taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.4 Odour

3.4.1 For the activities referenced A1 in schedule 1, table S1.1 emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4.2 For the activities referenced A1 in schedule 1, table S1.1 the operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

The following shall be added to Condition 3.6.1:

- (e) For the activities referenced A1 in schedule 1, table S1.1, leachate specified in tables S4.7 and S4.8.

The following shall be added to Condition 4.1.1(d):

- (vi) For the activities referenced A1 in schedule 1, table S1.1, leachate levels, quality and quantities.

The following shall be added to Condition 4.2.1:

- (j) For the activities referenced A1 in schedule 1, table S1.1, the energy consumed at the site, reported in the format set out in schedule 5 table S5.4.

The following table shall be added to Schedule 1:

Table S1.5 Pre-operational measures	
Reference	Pre-operational measures
1	<p>The operator shall carry out background groundwater monitoring for at least 12 months, with a minimum of 12 data sets in all groundwater monitoring boreholes in accordance with Environment Agency document LFTGN02 "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water", dated February 2003.</p> <p>The operator shall use this data to derive control and trigger levels for:</p> <ul style="list-style-type: none"> • ammonia, cadmium and chloride for boreholes GW9 and GW10; <p>and these trigger levels shall be agreed in writing with the Agency. The control and trigger levels shall be derived in accordance with Environment Agency document LFTGN01 "Hydrogeological Risk Assessment for Landfills", dated March 2003.</p>
2	<p>The operator shall carry out landfill gas monitoring at boreholes Gas 4, 5, 6 and 7 to obtain at least 12 data sets that are representative of atmospheric conditions over 12 months, in accordance with Environment Agency document LFTGN03 "Guidance on the management of landfill gas", dated September 2004.</p> <p>The operator shall submit written proposals for agreement with the Environment Agency for:</p> <ul style="list-style-type: none"> • trigger levels for methane and carbon dioxide for boreholes Gas 4, 5, 6 and 7 based on this monitoring.

The following table shall be added to Schedule 3:

Permitted waste types and quantities for the activities referenced A1 in schedule 1, table S1.1	
Waste code	Description
01 01	Wastes from Mineral Excavation
01 01 02	Wastes from mineral non-metalliferous excavation
01 04	Wastes from Physical and Chemical Processing of Non-Metalliferous Minerals
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 11	Wastes 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
10 01	Wastes from power stations and other combustion plants (except 19)
10 01 24	Sands from fluidised beds
10 12	Wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
10 13	Wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 14	Waste concrete
17 01	Concrete, bricks, tiles and ceramics
17 01 01	Concrete

Permitted waste types and quantities for the activities referenced A1 in schedule 1, table S1.1	
Waste code	Description
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
17 02	Wood, glass and plastic
17 02 02	Glass
17 03	Bituminous mixtures, coal tar and tarred products
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 08	Track ballast other than those mentioned in 17 05 07
17 09	Other construction and demolition wastes
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19 01	Wastes from incineration or pyrolysis of waste
19 01 19	Sands from fluidised beds
19 02	Wastes from physico/chemical treatments of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 02 03	Premixed wastes composed only of non hazardous wastes
19 12 09	Minerals (for example sand, stones)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 13 01
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01
20 02	Garden and park wastes (including cemetery wastes)
20 02 02	Soil and stones

The following tables shall be added to Schedule 4:

Table S4.7 Leachate level limits and monitoring requirements			
Monitoring point reference/ description	Limit	Monitoring frequency	Monitoring method
Two leachate monitoring wells (as shown on drawing reference MG424/22)	1.0 m	Monthly	Monitoring to be carried out in accordance with Environment Agency document LFTGN02 "Guidance on the Monitoring of Landfill Leachate, Groundwater and Surface Water" unless otherwise agreed in writing with the Agency.

Table S4.8 Leachate– other monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Leachate well (as shown on drawing reference MG424/22)	pH, conductivity, alkalinity (as CaCO ₃), BOD, COD, DOC, TPH (C10 –C40), ammonia, antimony, arsenic, cadmium, calcium, chloride, chromium, copper, iron, lead, manganese, magnesium, mercury, nickel, potassium, selenium, sodium, sulphate, zinc	Monthly for 12 months, then Quarterly	In accordance with Environment Agency document LFTGN02 “Guidance on the Monitoring of Landfill Leachate, Groundwater and Surface Water”, dated February 2003.	None
Leachate well (as shown on drawing reference MG424/22)	Hazardous substances	Annually		Suite in accordance with Appendices 1 and 6 of Environment Agency document LFTGN01 “Hydrogeological Risk Assessments for Landfills”, dated March 2003.

The following table shall be added to Schedule 5:

Table S5.4 Performance Parameters

Parameter	Frequency of assessment	Annual total	Unit
Energy used (including for leachate treatment)	Annually		MWh of electricity

Schedule 4 – amended plan

Amended plan attached:

