



ENVIRONMENT  
AGENCY

ENVIRONMENTAL PROTECTION ACT 1990  
SECTION 37(1) (a)



WASTE MANAGEMENT LICENCE  
NOTICE OF MODIFICATION

|                                                                                         |                                                              |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|
| LICENCE REF NO:- K/94/0001A/WD                                                          | FACILITY TYPE:- Transfer Station                             |
| LICENCE HOLDER:-<br>Wiltshire Waste (Recycling) Ltd<br>Webbs Lane, Bath Road<br>Devizes | LICENSED FACILITY:-<br>Tinkfield<br>Nursteed Road<br>Devizes |

WHEREAS on the 8 July 1977 the County Council of Wiltshire issued a disposal licence in pursuance of their powers under Part I of the Control Of Pollution Act 1974 for the above named facility.

AND WHEREAS on the 29 February 1988 the licence was modified to amend conditions relating to waste types

AND WHEREAS on the 14 February 1994 the licence was substantially modified to reflect operational changes

AND WHEREAS on the 1st May 1994 the said licence fell to be treated as a waste management licence

AND WHEREAS on the 14 August 1994 the licence was modified to permit waste sorting activities

AND WHEREAS on the 1st April 1996 the powers and duties of all waste regulation authorities in England and Wales transferred to the Environment Agency by virtue of section 2 of the Environment Act 1995

NOTICE IS HEREBY GIVEN that, following its review of the licence, the Environment Agency modifies the conditions of the said licence as shown in Schedule 1 attached.

Signed [Signature] Name SD CHANDLER

Date 26 January 2000

Such Modification to take effect at midnight on the date of this Notice.

YOUR ATTENTION IS DRAWN TO THE RIGHTS OF APPEAL ATTACHED TO THIS NOTICE

## SCHEDULE 1

### MODIFIED LICENCE CONDITIONS

*Delete all conditions and revisions thereof and replace in full with:*

#### SECTION 0 DEFINITIONS AND INTERPRETATIONS

In these conditions and their interpretation, unless the context otherwise requires, the following terms have the specified meanings:

|                                          |                                                                                                                                                                                                                                                   |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>The 1990 Act:</b>                     | The Environmental Protection Act 1990.                                                                                                                                                                                                            |
| <b>The 1995 Act:</b>                     | The Environment Act 1995.                                                                                                                                                                                                                         |
| <b>The Agency:</b>                       | The Environment Agency.                                                                                                                                                                                                                           |
| <b>The Site:</b>                         | The land, structures, plant and equipment to which this licence relates being that area edged in red on drawing NG/94/01 dated 24 April 1994.                                                                                                     |
| <b>The Licence Holder:</b>               | The Licence Holder specified in this licence or other person to whom the licence has been transferred in accordance with section 40 of the 1990 Act and section 120 of the 1995 Act.                                                              |
| <b>The operator:</b>                     | A person who is in occupation of the site and has responsibility for carrying out day to day activities at the site.                                                                                                                              |
| <b>Relevant offences:</b>                | Offences within the meaning of regulation 3 of the Waste Management Licensing Regulations 1994 or any statutory provisions or regulations amending or replacing them.                                                                             |
| <b>Received:</b>                         | For waste being delivered to the site, shall mean delivered to the site and undergoing the waste acceptance procedures specified in the working plan, including storage of those wastes during those procedures prior to acceptance of the waste. |
| <b>Accepted:</b>                         | For waste being delivered to the site, shall mean accepted as waste input to the site for storage and/or processing and/or disposal under the specified waste management operations.                                                              |
| <b>Preparatory works:</b>                | Works required prior to the carrying out of the activities authorised by this licence                                                                                                                                                             |
| <b>Authorised officer of the Agency:</b> | A person authorised in writing by the Agency pursuant to section 108(1) of the 1995 Act to exercise any of the powers specified in subsection (4) of that section.                                                                                |

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| <b>Engineered:</b>         | For works specified in these conditions, means carried out and completed using the relevant engineering process specified in these conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Engineering:</b>        | For engineering works specified in these conditions, means the relevant process of design, construction or installation, quality assurance or validation or commissioning specified in these conditions.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Engineer:</b>           | For engineering works specified in these conditions, means a person who works in the relevant branch of engineering, as a qualified professional.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Engineering survey:</b> | A survey carried out in accordance with recognised or approved standards by a suitably qualified competent person.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Maintenance:</b>        | For engineering maintenance specified in these conditions, means the process of inspection, testing, repair of the relevant engineering works specified in these conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Working Plan</b>        | The working plan approved by the Agency at the time of issue of this licence and any subsequent amendments to it made in accordance with the conditions of this licence.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immediately</b>         | For carrying out of actions under the conditions, shall mean without delay and within a reasonable time, taking into account any more immediate direct action necessary to prevent or minimise risk to human health and the environment. For carrying out notifications to the Agency, shall also mean by the fastest effective means available (for example, telephone) and confirmed in writing within 1 working day (or such other time as may be agreed by the Agency within the conditions).                                                                                                                       |
| <b>Waste:</b>              | Controlled waste as defined in section 75(4) of the 1990 Act and the Controlled Waste Regulations 1992 or any statutory provisions or regulations amending or replacing them.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clinical waste:</b>     | As defined in regulation 1(2) of the Controlled Waste Regulations 1992 or any statutory provisions amending or replacing them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Special waste:</b>      | As defined by regulation 2 of the Special Waste Regulations 1996 or any statutory provisions or regulations amending or replacing them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Risk assessment:</b>    | <p>The systematic identification, analysis, estimation and evaluation within a defined <b>scope</b> of the defined <b>risks</b> of a particular activity, operation, process or design, carried out and reported by suitably qualified or competent persons, using recognised quantified or semi-quantified methods and techniques.</p> <p>Unless otherwise agreed by the Agency within these conditions, a risk assessment shall include and record the following:</p> <ul style="list-style-type: none"> <li>• definition of the <b>hazards</b> associated with an activity, operation, process or design;</li> </ul> |

- assessment of the **probability** of those **hazards** occurring;
- determination of the potential **consequences** of those hazards for defined **environmental targets or receptors**, taking into account defined **release pathways** and defined protective measures
- evaluation of the potential **magnitude** of those consequences and the **probability** of their occurrence.

**Scope of risk assessment:**

The boundaries of the **risk assessment** and the **risks** to be assessed within those boundaries, as defined in the conditions or otherwise agreed by the Agency within the conditions.

**Risk:**

A combination of the **probability** and **consequences** of occurrence of a defined **hazard**.

**Hazard:**

A property or situation that in particular circumstances could lead to harm.

**Probability:**

The quantified expression of chance, denoted either as:

the ratio or percentage of the occurrence of a particular event as one among a number of possible events; or as

the frequency of occurrence of a particular event in a given period of time.

**Consequences:**

For **risk assessments** carried out within these conditions, the adverse effects of harm as a result of realising a **hazard** which cause the quality of human health (other than health and safety of site staff or visitors to the site covered under the Health and Safety at Work Act 1974) or the environment to be impaired in the short or longer term.

**Release pathways:**

For **risk assessments** carried out within these conditions, the routes by which defined **hazards** may potentially realise their **consequences**, defined in terms of releases or emissions from the site that go beyond the site containment or boundary via one or more of the following routes, either directly or indirectly: **Land; Groundwater; Surface water; Atmosphere.**

**Environmental targets or receptors:**

For **risk assessments** carried out within these conditions, shall mean identified human and environmental populations or components, as specified in these conditions or otherwise agreed by the Agency within these conditions.

**Groundwater:**

Any water contained in underground strata.

**Surface water:**

Any lake, pond, river or watercourse whether natural or artificial.

## SECTION 1 GENERAL CONSIDERATIONS

### 1.1 SPECIFIED WASTE MANAGEMENT OPERATIONS

1. No waste management operations shall be authorised by this licence unless specified in and undertaken in accordance with the limitations in the following table:

| Specified Waste Management Operation | Restrictions on otherwise Permitted Waste Types subject to the Specified Operation | Limits on Specified Waste Management Operations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Keeping: Storage                     | None                                                                               | <p><b>Maximum storage capacity:</b><br/> <u>Degradable waste</u>; not exceeding the physical containment of concrete walled sections of waste storage bay(s) as detailed by sections EA/NG/AR2-C &amp; H of the working plan, unless held within sealed containers.<br/> <u>Brewery hops</u>; 12 cubic yards in sealed containers.<br/> <u>Shredded and unshredded wood (segregated for reuse)</u>; not exceeding the capacity restrictions of section EA/NG/AR5-G of the working plan.<br/> <u>All other permitted wastes</u>; not exceeding the physical capacities of the designated storage areas indicated on drawing EA/NG/OV-D1 and without causing obstruction to the proper operation of the site in accordance with the licence conditions.</p> <p><b>Maximum storage time:</b><br/> <u>Degradable wastes</u>; 7 days (notwithstanding the requirements for odour control).<br/> <u>Brewery hops</u>; 96 hours (notwithstanding the requirements for odour control).<br/> <u>All other permitted wastes</u>; no restriction.</p> <p>At least once every 28 days all waste storage bay(s) shall be cleared of sufficient wastes to permit inspection and maintenance by the licence holder.</p> <p><b>Permitted location of operation:</b><br/> <u>Degradable wastes and brewers hops</u>; within walled storage bays and on impermeable pavement draining to sealed tank as detailed by sections EA/NG/AR2-A &amp; C of the working plan and in accordance with condition 2.2.<br/> <u>Shredded and unshredded wood (segregated for reuse)</u>; on impermeable pavement draining to soakaway as detailed by sections EA/NG/AR5-A &amp; B of the working plan and in accordance with condition 2.2.<br/> <u>All other permitted wastes</u>; at the locations and within sealed containers as detailed by sections EA/NG/AR2-C, D &amp; E, EA/NG/AR3-C &amp; D and EA/NG/AR5-C, D &amp; F of the working plan and in accordance with condition 2.2.</p> |
| Bulking of the same waste types      | None                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Segregation of unmixed wastes        | None                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| <b>Physical Treatment:</b><br>Manual separation and sorting of wastes (including hand picking from moving belt) | None                       | <b>Permitted location of operation:</b><br><u>Degradable wastes and brewers hops</u> ; within walled storage bays and on impermeable pavement draining to sealed tank as detailed by sections EA/NG/AR2- A & C of the working plan and in accordance with condition 2.2.<br><u>Shredded and unshredded wood (segregated for reuse)</u> ; on impermeable pavement draining to soakaway as detailed by sections EA/NG/AR5-A & B of the working plan and in accordance with condition 2.2.<br><u>All other permitted wastes</u> ; at the locations and within sealed containers (where required) as detailed by sections EA/NG/AR2-C, EA/NG/AR3-C, EA/NG/AR4-C, E, F & G and EA/NG/AR5-G of the working plan. |
| Mechanical separation and sorting of wastes including:<br>Shredding; and Screening.                             | Excluding bonded asbestos. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

2. In accordance with section EA/NG/OV-L of the working plan waste disposal operations shall not continue at the site.

## 1.2 EXEMPT WASTE MANAGEMENT ACTIVITIES

Where wastes are being brought onto the site for waste management activities which are exempt from licensing under the Waste Management Licensing Regulations 1994 or any statutory provisions amending or replacing them, then those wastes shall be kept clearly segregated and identified from wastes which are being kept on the site for the specified waste management operations under these licence conditions.

## 1.3 PERMITTED WASTE TYPES AND QUANTITIES:

No wastes other than those categorised below and specified in detail in Appendix 1 - Waste Types shall be accepted. The quantities of waste accepted shall not exceed those listed below or otherwise specified in Appendix 1.

| Permitted Waste Categories                                                                    | Maximum Permitted Quantities          |
|-----------------------------------------------------------------------------------------------|---------------------------------------|
| Inert wastes                                                                                  | Combined total of 150,000 tonnes/year |
| Scrap Metal                                                                                   |                                       |
| Special Wastes (comprising bonded asbestos only)                                              |                                       |
| Degradable Commercial and Industrial Wastes (excluding inert, scrap metal and Special wastes) |                                       |

## 1.4 EXCLUSION OF WASTE TYPES WITH SPECIFIED HAZARDOUS CHARACTERISTICS

Notwithstanding the specification of permitted waste types under 1.3 above, wastes shall not be permitted which have any of the following specified characteristics:

1. Wastes which display any of the hazardous properties defined by the following Hazard Codes (as defined in Part II of Schedule 2 of The Special Waste Regulations 1996):

| Hazard Code | Hazardous Properties |
|-------------|----------------------|
| H1          | Explosive            |

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| H2   | Oxidising                                                                                                 |
| H3-A | Highly Flammable                                                                                          |
| H3-B | Flammable                                                                                                 |
| H4   | Irritant                                                                                                  |
| H5   | Harmful                                                                                                   |
| H6   | Toxic                                                                                                     |
| H8   | Corrosive                                                                                                 |
| H9   | Infectious                                                                                                |
| H10  | Teratogenic                                                                                               |
| H11  | Mutagenic                                                                                                 |
| H12  | Substances or preparations which release toxic or very toxic gases in contact with water, air or an acid. |
| H14  | Ecotoxic                                                                                                  |

2. Wastes which are of the following form and type:

| Waste Form    | Type                  |
|---------------|-----------------------|
| Powders       | Special & Non-Special |
| Sludges       | Special & Non-Special |
| Liquid wastes | Special & Non-Special |

## 1.5 HOURS OF OPERATION

The specified waste management operations authorised by this licence shall only be carried out within the times specified in section EA/NG/OV-K of the working plan.

## 1.6 MINIMUM STAFFING AND SUPERVISION

Whenever the site is open to receive waste it shall be supervised by at least one member of staff who is fully conversant with the requirements of the licence and the working plan regarding:

1. waste acceptance and control procedures;
2. operational controls and environmental monitoring;
3. maintenance;
4. record-keeping;
5. emergency action plans;
6. notifications to the Agency.

## 1.7: AVAILABILITY OF LICENCE AND WORKING PLAN

A copy of this licence and the working plan shall be kept available on site for reference when required by all site staff carrying out work under the requirements of the licence.

## **1.8 UNDERSTANDING OF LICENCE AND WORKING PLAN**

All site staff shall be, or shall work under the direct supervision of a member of staff who is, fully conversant with those aspects of the licence conditions and working plan which are relevant to their specific duties.

## **1.9 CHANGES IN TECHNICALLY COMPETENT PERSONS**

Any changes in the technically competent management of the site and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Agency in writing within 5 working days of the change in management.

### **1.10.1 NOTIFICATION OF RELEVANT CONVICTIONS**

In the event of the Licence Holder and/or any relevant person being convicted of any relevant offence (as defined in Regulation 3 of the Waste Management Licensing Regulations 1994 or any amendment to the aforementioned Regulation) and which is in addition to any already notified to the Agency, then full details shall be provided to the Agency within 14 days of conviction, whether or not the conviction is subsequently appealed. Such details shall include, in respect of each relevant person (as defined in section 74(7) of the Environmental Protection Act 1990 or any subsequent amendments to that section), the nature of the offence, the place and date of conviction, any sentence, and any fine or other penalty imposed.

### **1.10.2 NOTIFICATIONS OF APPEALS AGAINST CONVICTIONS**

In the event that the Licence Holder lodges an appeal against any such conviction, the Licence Holder shall notify the Agency of this within 14 days of the lodging. The Licence Holder shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided.

## **1.11 AMENDMENTS TO WORKING PLAN REQUIRING PRIOR NOTIFICATION**

Except where it is specified under the other conditions of this licence that the amendment of specified sections of the working plan requires the prior written consent of the Agency, the Licence Holder shall give the Agency prior written notice of any change to the working plan. Changes to the working plan shall be deemed to be incorporated in the working plan and implemented on the date specified to the Agency in the amendment notification.

## **1.12 WORKING PLAN AMENDMENTS REQUIRING PRIOR AGENCY CONSENT**

1. Any proposed change to a section of the working plan or supporting information or drawing referred to under the conditions of this licence shall not be implemented unless the Agency has given its prior written consent to it.
2. In the case of any proposed change to the working plan sections detailed in the table below (including any revision approved by the Agency in writing), the written notice shall be supported by a written risk assessment of the effect of implementing the proposed change on the risk of the site to human health and the environment.

| Working Plan Section                                       | Subsections                                                                                                |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Overview                                                   | EA/NG/OV-A, EA/NG/OV-B, EA/NG/OV-E, EA/NG/OV-F, EA/NG/OV-H, EA/NG/OV-I, EA/NG/OV-J, EA/NG/OV-K, EA/NG/OV-L |
| Area 1 - Entrance/Exit Weighbridge Office (Control Area)   | EA/NG/AR1-B, EA/NG/AR1-C, EA/NG/AR1-G                                                                      |
| Area 2 - Mixed Loads Tipping and Sorting                   | EA/NG/AR2-A, EA/NG/AR2-B, EA/NG/AR2-C, EA/NG/AR2-D, EA/NG/AR2-E, EA/NG/AR2-G, EA/NG/AR2-H                  |
| Area 3 - Soil Hardcore Tipping and Sorting                 | EA/NG/AR3-A, EA/NG/AR3-B, EA/NG/AR3-C, EA/NG/AR2-D                                                         |
| Area 4 - Primarily Inert Soil Hardcore Grading and Sorting | EA/NG/AR4-A, EA/NG/AR4-C, EA/NG/AR4-D, EA/NG/AR4-E, EA/NG/AR4-F, EA/NG/AR4-G                               |
| Area 5 - Storage and Recycling Bays                        | EA/NG/AR5-A, EA/NG/AR5-B, EA/NG/AR5-C, EA/NG/AR5-D, EA/NG/AR5-E, EA/NG/AR5-F, EA/NG/AR5-G                  |

3. Following consent, the Licence Holder shall give the Agency prior written notification of the implementation date of the change, and from that date the changed section shall be incorporated in the working plan in replacement of the previous version of that section.

### **1.13 AMENDMENTS TO SUPPORTING INFORMATION REFERENCED IN THE WORKING PLAN**

- Supporting information which is referenced in any section of the working plan shall be deemed to be part of that section if the reference is to a specific dated version of the information, and amendments to the referenced information shall be subject to the same requirements as the specified section of the working plan under the other conditions of this licence.
- Supporting information which is referenced in any section of the working plan shall be deemed to be separate from that section if the reference is to the title and other identifier, but not to a specific dated version, and amendments to the referenced information shall be subject to the same requirement to give prior written notice to the Agency as specified in conditions 1.12 and 1.13 above.

### **1.14 PROVISION OF DETAILED SITE DRAWINGS**

- Within 12 months from the date of issue of this modification, the licence holder shall submit to the Agency an accurate 1:500 scale drawing (or set of drawings) clearly showing the following:
  - the site boundary and extent of licensed area;
  - all site structures, buildings, tanks, static plant and equipment;
  - areas of impermeable surfacing;
  - areas of hardstanding;
  - roadways
  - drainage systems and infrastructure (including overflow storage lagoon if used);
  - waste storage areas and bays;
  - semi-permanently located plant and equipment (eg. Trommel, picking belt, screens);
  - landfill gas monitoring boreholes;
  - asbestos fibre monitoring locations (if circumstances required by condition no 6.3 apply)
  - boundary fencing, gates, earth banks and hedges.

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2. The foregoing details shall be drawn to reflect the standards and requirements set by this licence and those working plan sections referred to by conditions. Once approved in writing by the Agency, this drawing shall form part of the working plan and all specified waste management operations, site construction and maintenance shall be undertaken in accordance with this drawing and any revision approved in writing by the Agency.

#### **1.15 NOTIFICATION OF CHANGE OF OPERATORS OR HOLDERS DETAILS**

The following information shall be notified in writing within 5 working days to the Agency:

1. where the Licence Holder is an individual or named individuals in a partnership:
  - 1.1 the death of the Licence Holder;
  - 1.2 any steps taken with a view to the Licence Holder going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of a partnership, dissolving the partnership;
  - 1.3 any change in the operators trading name, registered name or registered office address (if different from the Licence Holder);
2. where the Licence Holder is a registered company:
  - 2.1 any change in the Licence Holders trading name, registered name or registered office address;
  - 2.2 any steps taken with a view to the Licence Holder going into administration, entering into a company voluntary arrangement or being wound up;
  - 2.3 any change in the operators trading name, registered name or registered office address (if different from the Licence Holder).

#### **1.16 NOTIFICATION OF PREPARATORY WORKS**

No preparatory works shall be undertaken unless at least 7 days notice in writing have been given to the Agency of the intention to do so. The notification shall include details of what work is being done and when.

#### **1.17 CESSATION OF WASTE MANAGEMENT OPERATIONS**

In the event that the site ceases all waste management operations either permanently or for longer than 3 months then no later than 5 working days following the cessation of waste management activities the Licence Holder shall inform the Agency in writing of the date of cessation and the planned date of recommencement. In the event that the site recommences waste management operations sooner than the notified date then the Licence Holder shall give the Agency at least 5 working days notice in writing.

#### **1.18 NOTIFICATIONS AND SUBMISSIONS TO AGENCY**

Except where otherwise specified, all notifications and submissions to the Agency under the requirements of these licence conditions:

1. shall be made in writing to the address specified by the Agency in writing at the time of issue of this licence, or as subsequently specified by written notification to the Licence Holder;

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2. shall quote the licence reference number and the name of the Licence Holder.

## **SECTION 2 SITE ENGINEERING FOR POLLUTION PREVENTION**

### **2.1 PROVISION OF ENGINEERED SITE SURFACE AND DRAINAGE SYSTEM**

1. If within 6 months from the date of issue of this modification the engineered site surface and drainage system for the site (excluding the overflow storage lagoon) has not been constructed and completed in accordance with condition 2.2 and sections EA/NG/OV-J, EA/NG/AR1-B, EA/NG/AR2-B, EA/NG/AR3- A & B, EA/NG/AR4-A & C and EA/NG/AR5-A & B of the working plan, no waste (other than shredded and unshredded wood, segregated for reuse) shall be kept or treated in any area of the site.
2. If within 9 months from the date of issue of this modification the engineered site surface and drainage system for areas used to keep and treat shredded and unshredded wood (segregated for reuse) has not been constructed and completed in accordance with condition 2.2 and sections EA/NG/OV-J and EA/NG/AR5-B, E & G of the working plan, those wastes shall not be kept or treated in any area of the site, except where:
  - (a) the licence holder can demonstrate to the Agency that construction of the site surfacing and drainage systems have not been completed due to circumstances beyond their control that they could not reasonably be expected to have foreseen;
  - (b) the Agency has received prior written notification of the need for additional time to complete works; and
  - (c) the licence holder has received written consent by the Agency for additional time;

then those wastes may be kept and treated at the site for an additional 3 months.

### **2.2 ENGINEERED SITE SURFACE AND DRAINAGE SYSTEM DESIGN, CONSTRUCTION AND MAINTENANCE PROCEDURES**

The engineered site surface and drainage systems shall be designed, constructed and maintained, in accordance with the following specified standards:

#### **2.2.1 Areas of Hardstanding**

The design, construction and maintenance of the areas of hardstanding shall be in accordance with the following specification:

1. Suitable materials and construction methods shall be utilised to produce a hard and durable surface capable of being swept by mechanical means, and withstanding the movement of loaded heavy goods vehicles (HGVs) and emplacement of containers used for waste storage at the site.
2. This surfacing shall be laid to provide appropriate falls to prevent the ponding of rain water.
3. The area of hardstanding shall be fully inspected, as a minimum, once every 7 days. All inspections and their findings shall be recorded in the site diary. Any defects or damage to the surfacing that causes ponding of rainwater shall be repaired within 7 working days of the damage being detected. All repairs shall be recorded in the site diary.

### **2.2.2 Areas of Impermeable Pavement**

The design, construction and maintenance of the areas of impermeable pavement shall be in accordance with the following specification:

1. Concrete, of a suitable thickness, density and impermeability shall be used to provide the areas of impermeable pavement at the site.
2. The construction of the impermeable pavement shall be to an engineering standard appropriate to withstand the movement of loaded HGVs and adequately support plant and equipment (including containers) used upon it without defect or deformation.
3. The impermeable pavement shall be designed and constructed in order to prevent the transmission of fluids either through the pavement or joints, or off the pavement other than via the drainage system
4. Sidewalls to the impermeable pavement shall be provided in accordance with section EA/NG/AR2-H of the working plan to contain wastes as specified by section EA/NG/AR2-C of the working plan.
5. The areas of impermeable pavement shall be fully inspected, as a minimum, once every 7 days. All inspections and their findings shall be recorded in the site diary. Any defects or damage to the pavement that could permit the transmission of fluids off or through the pavement shall be repaired within 7 working days of the damage being detected. All repairs shall be recorded in the site diary.

### **2.2.3 Drainage System**

The design, construction and maintenance of the drainage system shall be in accordance with the following specification:

1. It shall be adequately designed and constructed in order to prevent the leakage of fluids from the system, to withstand the passage of loaded HGVs over it (where such vehicle movement is expected) and to permit maintenance to ensure the unrestricted flow of liquids through the system.
2. The sealed tank(s) used to contain run-off in accordance with section EA/NG/AR2-B of the working plan shall have a capacity capable of retaining 48mm of rainfall (the M5 48hr figure) across the area of the site surfacing in question.
3. It shall not be allowed to overflow, except in accordance with section EA/NG/AR2-B of the working plan where:
  - (a) the licence holder has submitted in writing to the Agency details of the design, and specification for the construction of a storage lagoon, its proposed location and procedures for its inspection and maintenance, and these have been approved by the Agency in writing; and
  - (b) construction quality assurance of the lagoon construction has been completed in accordance with condition 2.3;

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otherwise during non-storm conditions a minimum buffer storage capacity of equivalent to 39.6mm of rainfall (the M5 24hr figure) across the area of the site surfacing in question shall be maintained within the sealed tank(s).

4. Soakaways used to deal with run-off in accordance with sections EA/NG/AR1-B, EA/NG/AR3-B and EA/NG/AR5-B of the working plan shall be constructed to be capable of dealing with an inflow of 18mm of rainfall (the factored M10 30min figure) across the area of the site surface in question.
5. The drainage system shall be fully inspected, as a minimum, once every 7 days. All inspections and their findings shall be recorded in the site diary. Any defects or damage to the drainage systems that could impair the flow or allow uncontrolled escape of liquids shall be repaired within 7 working days of detection. All repairs to the system and pumping out of the sealed tank(s) or lagoon shall be recorded in the site diary.

### **2.3 CONSTRUCTION QUALITY ASSURANCE OF ENGINEERED SITE SURFACE AND DRAINAGE SYSTEM**

#### **2.3.1 Phasing**

1. From 6 months from the date of this modification, no wastes (other than shredded and unshredded wood, segregated for reuse) shall be kept or treated in any area of the site unless construction of the engineered site surface and drainage system (including overflow storage lagoon when to be used) for the area in question has been subject to construction quality assurance in accordance with this condition.
2. From 9 months from the date of this modification (or 12 months where extension of this period is permitted) no shredded or unshredded wood (segregated for reuse) shall be kept or treated in any area of the site unless construction of the engineered site surface and drainage system for the area in question has been subject to construction quality assurance in accordance with this condition.

#### **2.3.2 Construction Quality Assurance**

Construction quality assurance for engineered site surface and drainage systems shall be in accordance with the following specification:

1. details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the engineered site surface and drainage system (including overflow storage lagoon where used) have been submitted in writing to the Agency and acknowledged in writing by the Agency;
2. the engineered site surface and drainage system (including overflow storage lagoon where used) for that area has been constructed in accordance with sections EA/NG/OV-J, EA/NG/AR1-B, EA/NG/AR2-B, EA/NG/AR3- A & B, EA/NG/AR4-A & C and EA/NG/AR5-A, B, E & G of the working plan and meets the requirements of condition 2.2;
3. the Validation Report on the construction of the engineered site surface and drainage system (including lagoon where used) has been submitted in writing to the Agency and has been acknowledged in writing by the Agency.

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## **2.4 REMOVAL OF RESIDUAL WASTES FROM SITE**

In the event that the permitted waste management operations on the site cease and the Agency has reasonable grounds to believe that they will not be resumed, all wastes remaining on the site shall be removed by the date specified in writing by the Agency.

## **SECTION 3 SITE INFRASTRUCTURE**

### **3.1 PROVISION OF SITE IDENTIFICATION BOARD**

1. No wastes shall be received at the site unless an identification board has been provided at or near the site entrance.
2. The identification board shall be inspected once every 7 days. In the event of damage or defect, the board shall be repaired or replaced within 7 working days.
3. The board shall be easily readable from outside the site entrance in daylight hours, and shall display the following information:

Site name and address;  
Licence Holder name;  
Operator name (where different to Licence Holder);  
Licence number;  
Emergency contact name and telephone number;  
Agency national numbers: 0645 333111 and 0800 807060;  
Days and hours site is open to receive waste.

### **3.2 PROVISION AND MAINTENANCE OF SECURITY**

Site security systems shall be provided and maintained at all times during the subsistence of this licence, and shall be fully documented and recorded, in accordance with section EA/NG/OV-B of the working plan. These shall be installed, operated and maintained to prevent access by humans and livestock which is not authorised either by the Licence Holder or under legal powers of entry.

## **SECTION 4 SITE OPERATIONS**

### **4.1 PREVENTION OF MUD AND DEBRIS ON ROAD**

Whenever the site is receiving or despatching wastes, measures shall be provided, operated and maintained as specified in section EA/NG/AR1-B & G of the working plan, in order to prevent the deposit or tracking of mud or debris arising from the site onto public areas outside the site.

### **4.2 REMEDIATION OF MUD AND DEBRIS ON ROAD**

In the event that mud or debris arising from the site is deposited onto public areas outside the site, the following remedial measures shall be implemented:

1. any accumulation of mud, debris or wastes evident upon the site surfacing shall be removed and the surfacing cleaned immediately;

2. cleaning arrangements shall be made immediately and those public areas effected cleaned with the minimum of delay and by no later than the end of the working day; and
3. a record shall be kept in the site diary of the cleaning of the public areas effected.

#### **4.3 FIRES ON THE SITE**

1. No wastes shall be burned on the site.
2. In the event of a fire on the site the fire action plan specified in section EA/NG/OV-F shall be implemented immediately.

#### **4.4 WASTE ACCEPTANCE PROCEDURES**

##### **4.4.1 Waste Reception**

Wastes shall only be received at the site through the site entrance as designated on drawing EA/NG/AR1-D1. All incoming waste shall be kept in the Area 1 as designated drawing EA/NG/AR1-D1 until it has been confirmed for acceptance at the site or has been placed in the designated quarantine storage area pending removal from the site.

##### **4.4.2 Waste Inspection**

All wastes received at the site shall be inspected within 1 hour to confirm their description and composition. No wastes shall be deposited, treated or otherwise or dealt with at the site until they have been inspected.

##### **4.4.3 Quarantine Storage and Rejection of Wastes**

Any unpermitted waste types incidentally accepted at the site shall be segregated, stored and removed from the site in accordance with section EA/NG/AR2-D of the working plan and the following requirements:

1. Not more than two 1100 litre sealed containers (or equivalent) shall be used for the storage of unpermitted wastes at any one time. Where such unpermitted waste comprise food wastes or other putrescible wastes likely to attract pest and scavengers an enclosed sealed container shall be used.
2. Unpermitted wastes shall be removed from the site within 96 hours of acceptance unless otherwise agreed in writing by the Agency.
3. A written record shall be kept in the site diary of the details of all loads found to contain incidental items of unpermitted waste in accordance with section EA/NG/OV-A.

#### **4.5 WASTE CONTROL PROCEDURES**

All wastes accepted at the site shall be handled, kept and recorded in accordance with the procedures specified in sections EA/NG/AR2-C and EA/NG/AR3-C & D of the working plan.

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#### **4.6 INSPECTION OF WASTES FOR DESPATCH**

All wastes despatched from the site shall be inspected prior to despatch to confirm their description and composition.

#### **4.7 MEANS OF MEASUREMENT**

The weight of all wastes accepted at and despatched from the site shall be measured using the equipment specified and maintained in accordance with section EA/NG/AR1-C of the working plan.

#### **4.8 SPECIAL REQUIREMENTS FOR HANDLING ASBESTOS BEARING WASTES**

Notwithstanding the other conditions in this licence, all asbestos bearing wastes shall be kept in accordance with the measures specified in section EA/NG/AR2-E of the working plan. No treatment of or repackaging of asbestos bearing wastes shall take place at the site except in the event of an emergency

### **SECTION 5 POLLUTION CONTROL, MONITORING AND REPORTING**

#### **5.1 LANDFILL GAS MONITORING AND SAMPLING PROGRAMME**

Monitoring and sampling of landfill gas at the site shall be carried out and recorded in accordance with the following monitoring programme:

1. Landfill gas monitoring at the site shall be carried out at the monitoring points detailed by section EA/NG/OV-I of the working plan and at the additional location specified in point 2 below.
2. From 6 months from the date of issue of this modification, an additional monitoring point shall be established and maintained within the site. Unless the Agency has approved in writing an alternative specification submitted by the licence holder, this monitoring point shall be located, designed, constructed and maintained in accordance with the specifications of Appendix 2.
3. Landfill gas monitoring at the site shall be carried out in accordance with the schedule specified in Appendix 2.

#### **5.2 MONITORING AND SAMPLING RECORDS:**

##### **5.2.1 Keeping and maintenance of records**

A written record of all landfill gas monitoring and sampling results shall be kept and maintained in the format specified in Appendix 2, unless otherwise agreed in writing by the Agency.

##### **5.2.2 Quality assurance of monitoring and sampling:**

The records shall be quality assured in accordance with the following requirements:

1. that monitoring and sampling has been undertaken by a competent person, formally trained in the use and limitations of the instrumentation and equipment in use;

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2. that the instrumentation and equipment used for monitoring and sampling is accurate to  $\pm 0.1\%$ , has a valid certificate of calibration and has been used and serviced in accordance with the manufacturers instruction;
3. that a sample of landfill gas is taken from one of the monitoring points every 12 months and is analysed at a NAMAS accredited laboratory. The analytical results shall be compared with field results made at the same time, in order to detect any errors or deviation in field results; and
4. where results at a particular monitoring point appear spurious or significantly deviate from the overall trend of results at that point, checks shall be made on field notes of results: the validity of instrument calibration certificate shall be confirmed and monitoring of that point shall be repeated.

#### **5.2.3 Submission of records:**

A copy of the quality assured records of each monitoring and sampling result shall be submitted to the Agency within 1 month of its being carried out, in the format specified in Appendix 2.

### **5.3 LANDFILL GAS GENERATION ACTION PLAN**

In the event that any results exceed the trigger levels specified in Appendix 2:

1. the results shall be notified to the Agency immediately and confirmed in writing immediately;
2. if it is likely that the concentration and/or location of the landfill gas detected represents an immediate risk of explosion the emergency plan specified in section EA/NG/OV-F shall be implemented immediately.

## **SECTION 6 AMENITY MANAGEMENT AND CONTROL**

### **6.1 PREVENTION OF RELEASES OF DUSTS, FIBRES AND PARTICULATES**

Measures shall be implemented and maintained throughout the operational life of the site, in accordance with sections EA/NG/OV-E, EA/NG/AR1-B and EA/NG/AR4-D of the working plan, to prevent and minimise the release of airborne dusts, fibres and particulates arising from the site beyond the site boundary.

### **6.2 CONTROL OF RELEASES OF DUSTS, FIBRES AND PARTICULATES**

All emissions to air from the specified waste management operations on the site shall be free from visible concentrations of dusts, fibres or particulates as are likely to cause pollution of the environment outside the site boundary, as perceived by an authorised officer of the Agency.

In the event that any dusts, fibres or particulates arising from the site are released or are likely to be released outside the site boundary in such quantities or concentrations that they are likely to cause pollution of the environment, the following actions shall be implemented:

1. likely sources of the emissions shall be identified;

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2. loose wastes shall be adequately damped down or contained to prevent further emissions beyond the site boundary;
3. further deposition or emplacement of wastes shall cease during windy conditions where they cannot be achieved without giving rise to emissions beyond the site boundary;
4. waste treatment processes shall be stopped where they cannot be achieved without giving rise to emissions beyond the site boundary.

## **6.3 PROVISION OF MONITORING SYSTEM FOR AERIAL RELEASES OF ASBESTOS FIBRES**

### **6.3.1 Provision of Monitoring Scheme**

From 6 months from the date of issue of this modification, no bonded asbestos wastes shall be accepted at the site unless the licence holder has submitted a scheme for the monitoring of aerial releases of asbestos fibres, the Agency has approved that scheme in writing and the scheme has been implemented. The scheme shall include details regarding the following:

1. location of monitoring points upwind and downwind of potential sources of emission of asbestos fibres;
2. frequency of monitoring;
3. monitoring methodology and quality assurance;
4. baseline monitoring;
5. keeping, maintenance and format of records; and
6. trigger levels and action plan.

### **6.3.2 Submission of records:**

A copy of the quality assured records of each monitoring and sampling exercise, with an interpretation of the results against background and trigger levels, shall be submitted to the Agency within 1 month of its being carried out, in the format specified in the approved monitoring scheme.

## **6.4 ASBESTOS FIBRE MONITORING ACTION PLAN**

In the event that any results exceed the trigger levels specified in the approved monitoring scheme:

1. the results shall be notified to the Agency immediately and confirmed in writing immediately;
2. the asbestos fibre monitoring action plan specified in the approved monitoring scheme shall be implemented immediately.

## **6.5 PREVENTION AND CONTROL OF ODOURS**

All emissions to air from the specified waste management operations on the site shall be free from offensive odours outside the site boundary, as perceived by an authorised officer of the Agency.

In the event that any offensive odours arising from the site are released or are likely to be released outside the site boundary in such quantities or concentrations that they are likely to cause pollution of the environment, harm to human health and/or serious detriment to the amenities of the locality, the following actions shall be implemented:

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1. the likely source of those odours shall be investigated immediately;
2. wastes found to be the source of those odours shall be removed from the site immediately or by no later than the end of that working day;
3. a written record shall be made in the site diary of the occurrence and action taken.

## **6.6 PREVENTION OF PESTS**

Adequate measures shall be carried out throughout the operational life of the site to prevent pest infestations arising on the site.

## **6.7 MONITORING AND CONTROL OF PESTS**

The site shall be inspected for evidence of pests by a competent person at least once every 7 days. In the event of any evidence of pest infestation being found, the following measures shall be taken immediately to control and eliminate those pests:

1. a qualified pest control contractor shall be engaged immediately to deal with the infestation;
2. wastes found to be attracting those pests shall be removed by the end of the working day where elimination of the infestation has proved unsuccessful;
3. a record shall be kept in the site diary of the occurrence, actions taken and of any pesticides used.

## **6.8 CONTROL OF LITTER**

1. Litter control and collection measures shall be implemented in accordance with this condition and sections EA/NG/OV-H and EA/NG/AR2-G, throughout the operational life of the site, such that any free litter within the site is collected, so as to prevent any litter escaping from the confines of the site.
2. In the event that litter does escape from the site, it shall be retrieved immediately.

# **SECTION 7 MAINTAINING AND SUBMITTING RECORDS**

## **7.1 SECURITY OF RECORDS**

All records which are required to be made under the other conditions of this licence and the working plan shall be maintained and kept secure from loss, damage or deterioration and shall be kept secure at the site office:

1. records of the quantities of waste accepted at the site;
2. records of the quantities of waste removed from the site;
3. the site diary and the records it comprises or contains; and
4. reports on any incidents or emergencies.

## **7.2 AVAILABILITY OF RECORDS**

Records which are required to be made under the other conditions of this licence and the working plan shall be made available for inspection at the place where they are kept when required by an authorised officer of the Agency.

## **7.3 RECORDING OF WASTES ACCEPTED AND REMOVED**

A record shall be kept of each load of waste accepted and each load of waste removed from site. This record shall include the following details:

1. Loads in :- Nature, waste type as specified in condition 1.3, quantity (tonnes), date received, date accepted.
2. Loads out :- Nature, waste type as specified in condition 1.3, quantity of waste removed (tonnes), date removed.

## **7.4 SUMMARY RECORDS OF WASTES ACCEPTED AND REMOVED**

A summary record of the waste types accepted and removed from the site shall be made for each quarter of the financial year, and shall be submitted to the Agency within 1 month following the end of the quarter. The summary record shall be in a format agreed by the Agency in writing, and shall include the following details:

1. Wastes accepted at the site in tonnes, broken down by waste type and nature.
2. Wastes recycled at the site in tonnes, broken down by waste type and nature.
3. Wastes sent for recycling in tonnes, broken down by waste type, nature of waste and type of facility consigned to.
4. Waste sent for disposal in tonnes, broken down by waste type, nature of waste and type of facility consigned to.

## **7.5 SITE DIARY**

A site diary shall be kept secure and shall be available for inspection at the site when required by an authorised officer of the Agency. This shall include a record of the following events:

1. start and finish of construction work and certification;
2. completion of waste management operations;
3. plant maintenance and breakdown;
4. emergencies and incidents;
5. problems encountered with waste received and action taken;
6. environmental monitoring at the site;
7. Agency inspections, findings and action taken in response;
8. operator inspections regarding litter, site security, dust etc, drainage systems, pests etc findings and actions taken in response;
9. environmental problems and remedial action; and
10. dispatch of records to the Environment Agency.

Each record shall be completed within 24 hours of the occurrence.

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## APPENDIX 1 - PERMITTED WASTE TYPES

| Waste Category                              | Permitted Waste Type                                          | UK Waste Classification Code (Draft 16) |
|---------------------------------------------|---------------------------------------------------------------|-----------------------------------------|
| Inert Wastes                                | All types                                                     | 21.00.00                                |
| Scrap Metal                                 | Ferrous metals                                                | 23.01.00                                |
|                                             | Non-ferrous metals                                            | 23.02.00                                |
|                                             | White goods and other domestic appliances                     | 23.04.01 & 23.04.02                     |
|                                             | Cable and wire                                                | 23.04.05                                |
| Degradable Commercial and Industrial Wastes | Naturally occurring rocks and soils containing organic matter | 22.01.00                                |
|                                             | Construction and demolition wastes                            | 22.02.00                                |
|                                             | Plaster and plasterboard                                      | 22.03.00                                |
|                                             | Paper and card                                                | 22.04.01                                |
|                                             | Plastics and polymers                                         | 22.04.02                                |
|                                             | Rubber                                                        | 22.04.03                                |
|                                             | Tyres                                                         | 22.04.04                                |
|                                             | Synthetic textiles                                            | 22.04.05                                |
|                                             | Mixed/unidentified textiles                                   | 22.04.06                                |
|                                             | Wood                                                          | 22.04.07                                |
|                                             | Coated or chemically treated timber                           | 22.04.08                                |
|                                             | Laminates                                                     | 22.04.09                                |
|                                             | Comingled materials separated for recycling                   | 22.05.00                                |
|                                             | Mixtures of vegetation, soil and stone                        | 22.06.05                                |
|                                             | Brewery Hops                                                  | 22.06.06                                |
| Green Wastes comprising:                    | Sawdust and wood shavings                                     | 22.06.02                                |
|                                             | Vegetation (inc. branches and trunks)                         | 22.06.03                                |
|                                             | Bark                                                          | 22.06.04                                |
| Special Wastes                              | Bonded asbestos                                               | 26.02.00                                |

## APPENDIX 2 - LANDFILL GAS MONITORING PROGRAMME

The monitoring of landfill gas and reporting of results shall be carried out in accordance with the following parameters:

### 1. Monitoring schedule:

The determinands monitored and frequency of monitoring shall be in accordance with the following table:

| DETERMINANDS               | MONITORING FREQUENCIES                                                                      | UNITS AND ACCURACIES                       | TRIGGER LEVELS        |
|----------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------|
| Methane (or flammable gas) | (Commencing from the date of this modification)                                             | % v/v, or % of lower explosive limit (LEL) | 1.0% v/v (20% of LEL) |
| Carbon dioxide             | Monitoring of all boreholes, once every 14 days reducing to once every 28 days              | % v/v                                      | 1.5% v/v              |
| Oxygen                     | should levels detected consistently remain below trigger levels in borehole 5 for 6 months. | % v/v                                      | None                  |
| Atmospheric pressure       | Frequencies to be reviewed annually*                                                        | Millibars                                  | None                  |

\*increased or decreased subject to findings of annual review of results and Agency written approval detailed in point 2.2 below.

### 2. Record and Interpretation of Results

#### 2.1 Format of records:

Results of monitoring exercises shall be kept and copies submitted to the Agency using the following format, unless otherwise agreed in writing by the Agency:

|                              |      |              |     |
|------------------------------|------|--------------|-----|
| Date:                        |      |              |     |
| Site Name:                   |      | Licence No.: |     |
| Instrumentation used:        |      | Serial No.:  |     |
| Date of last calibration:    |      |              |     |
| Monitoring by:               |      |              |     |
| Signature                    |      | Print Name   |     |
| Weather Conditions:          |      |              |     |
| Barometric Pressure: .....mb |      |              |     |
| Location                     | CH4% | CO2%         | O2% |
|                              |      |              |     |
|                              |      |              |     |
|                              |      |              |     |
|                              |      |              |     |
| Comments:                    |      |              |     |

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## 2.2 Annual Review of Results

Not less than once every 12 months (commencing from the date of this modification) a report shall be submitted by the licence holder to the Agency providing an interpretation of the results of the previous 12 months monitoring. This shall include:

1. details of all instances where trigger levels were exceeded and actions taken in response;
2. an assessment of the risk of harm to human health beyond the boundary of the site;
3. proposals for additional, or reductions to, risk management measures, resulting from the risk assessment; and
4. any proposed changes to the monitoring schedule.

## 3. Additional Monitoring Location

An additional landfill gas monitoring point, as referred to by condition 5.1 above, shall be located within the body of waste at the point indicated on figure 1 below. This monitoring point shall be constructed and maintained in accordance with the following specification, as exemplified by figure 2 below:

1. drilled by suitable methods to a diameter of 150-350mm and a depth of 5 metres, or 1 metre above any perched or permanent water level detected (any length of borehole beneath this point shall be backfilled and grouted with bentonite so as to eliminate a pathway for leachate migration);
2. fitted with a perforated plastic casing running the depth of the borehole with a diameter of 90-160mm;
3. 10mm size carbonate-free washed (fines-free) gravel shall be packed between the outer wall of the borehole and the outside of the perforated casing;
4. capped at the surface with a granular bentonite seal to prevent the ingress of air into the borehole and with a cap fitted to the plastic casing;
5. a protective cover shall be provided and maintained at all times to protect the monitoring point against vandalism and accidental damage; and
6. any damage or impairment to the efficient operation and use of the monitoring point shall be repaired within 1 month of its detection. A written record shall be kept in the site diary of any damage and repairs.

Figure 1 – Additional Landfill Gas Monitoring Borehole

Scale: 1:2500

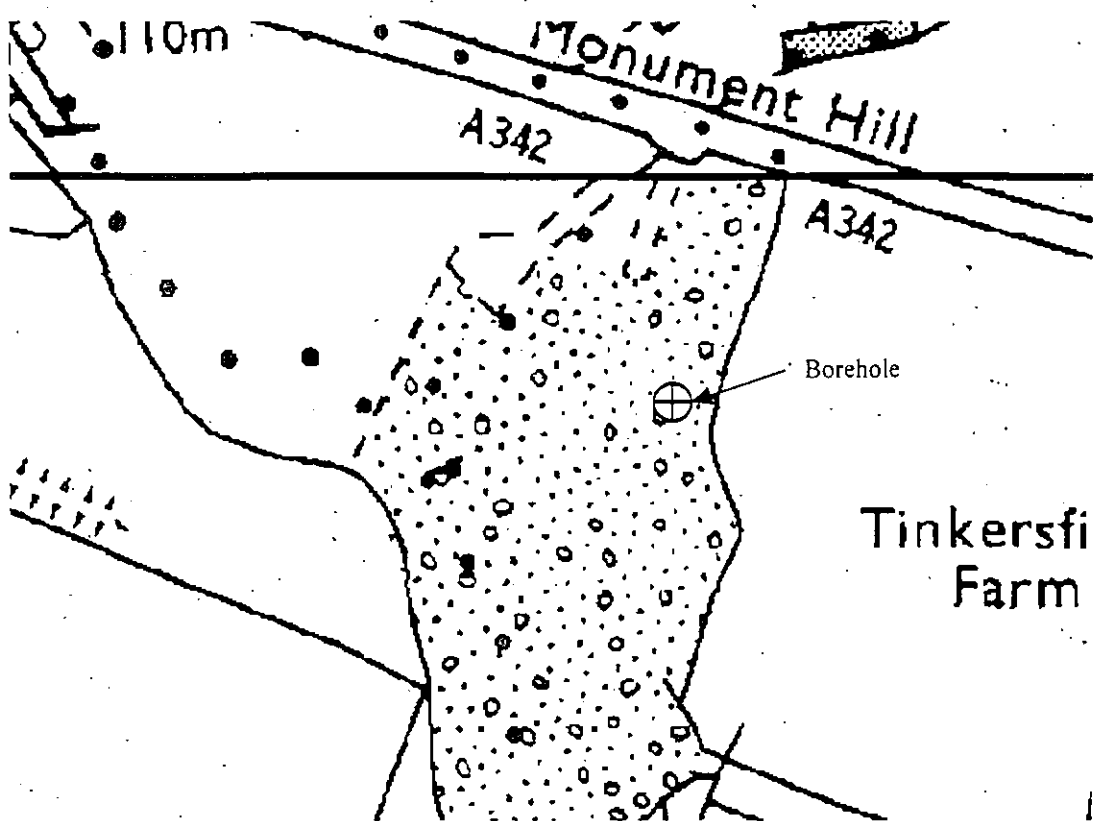
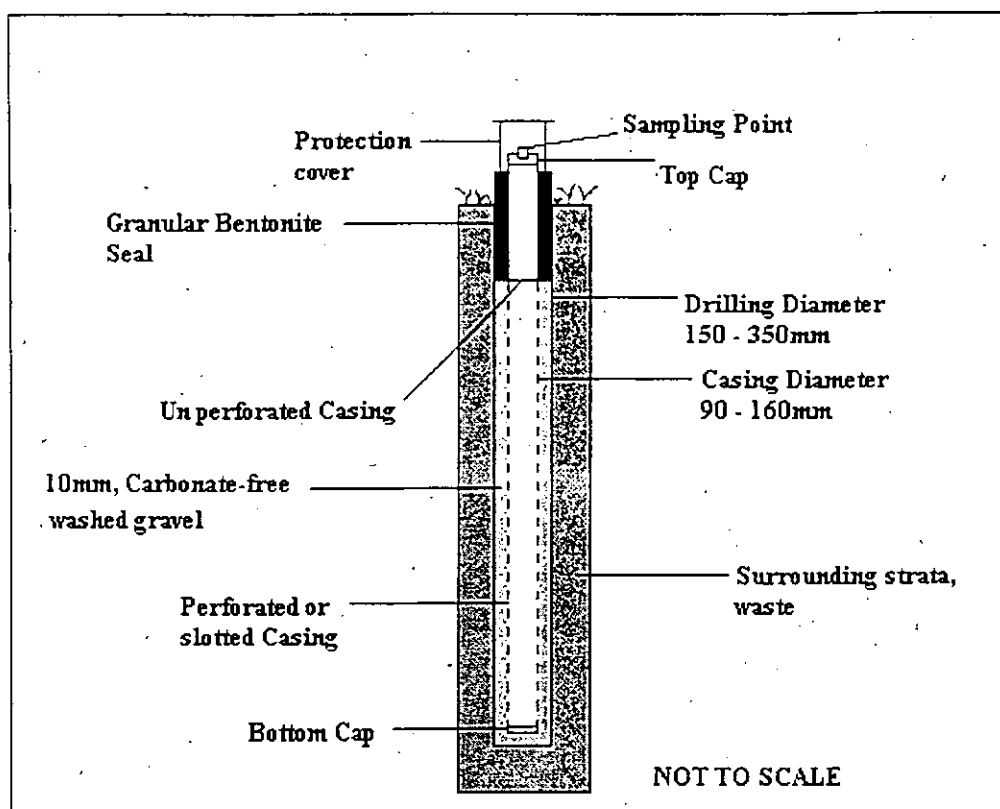


Figure 2 – Typical Landfill Gas Monitoring Borehole



Source: IWM, *The Monitoring of Landfill Gas, Second Edition*, 1998