



Environmental statement
Technical appendix H

Ground conditions
and the water environment

Document produced
in association with

DAVID JARVIS ASSOCIATES



Intended for
Lakeside EfW Ltd

Document type
Report

Date
May 2019

REPLACEMENT OF LAKESIDE EFW AND HTI GROUND CONDITIONS TECHNICAL APPENDIX

REPLACEMENT OF LAKESI DE EFW AND HTI GROUND CONDITIONS TECHNICAL APPENDIX

Revision 02
Date 17/06/2019
Made by Wendy Furgusson
Checked by Tom Smith
Approved by Paul Stubbington
Description Ground Conditions Technical Appendix

Ref 1620005898-RAM-YE-GC-RP-02

This report is produced by Ramboll at the request of the client for the purposes detailed herein. This report and accompanying documents are intended solely for the use and benefit of the client for this purpose only and may not be used by or disclosed to, in whole or in part, any other person without the express written consent of Ramboll. Ramboll neither owes nor accepts any duty to any third party and shall not be liable for any loss, damage or expense of whatsoever nature which is caused by their reliance on the information contained in this report

Ramboll UK Limited
Carlton House
Ringwood Road
Woodlands
Southampton
SO40 7HT
United Kingdom

T +44 (0) 238 081 7500
F +44 (0) 845 299 1610
www.ramboll.co.uk

CONTENTS

1.	INTRODUCTION	1
2.	LEGISLATION AND POLICY	1
2.1	National Legislation	1
2.2	National Policy and Guidance	2
2.3	Local Policy	2
3.	METHODOLOGY	3
3.1	Assessment Approach	3
3.2	Assessment Criteria	4
3.3	Consultation	4
4.	BASELINE	4
4.1	Site Description	4
4.2	Site Background	6
4.1	Geology and Hydrogeology	7
4.2	Artificial Ground	8
4.3	Ground Contamination	10
4.4	Surface and Groundwater	11
4.5	Ground Gases	12
4.6	Radon	12
4.7	Unexploded Ordnance (UXO)	12
4.8	Other Environmental Information	13
5.	EFFECTS OF THE PROPOSALS DURING CONSTRUCTION AND OPERATION	14
5.1	Conceptual Site Model	14
5.2	Qualitative Risk Assessment	18
6.	MITIGATION AND MONITORING	20
7.	RESIDUAL EFFECTS	21
8.	CUMULATIVE EFFECTS	21
9.	SUMMARY	21

FIGURES

- Figure 1 Site Location Plan
 Figure 2 Water Features
 Figure 3 Existing Ground Investigation Data

APPENDICES

Appendix A
 LIMITATIONS

Appendix B
LEGISLATION AND METHODOLOGIES

Appendix C
SIGNIFICANCE CRITERIA

Appendix D
CONSULTATION RECORDS

Appendix E
ENVIROCHECK REPORT

Appendix F
MINERALS PLAN EXTRACT

Appendix G
RISK ASSESSMENT TABLE

1. INTRODUCTION

- 1.0.1 Lakeside EfW Ltd is a joint venture between Grundon Waste Management Limited and Viridor. It operates the existing Lakeside Road Energy from Waste (EfW) facility in Colnbrook, Slough. Grundon Waste Management is the sole owner and operator of the High Temperature Incinerator (HTI) adjoined to the EfW on Lakeside Road. Lakeside EfW Ltd, Grundon Waste Management Limited and Viridor (**hereafter collectively referred to as "Lakeside EfW Ltd"**) are applying to Slough Borough Council (SBC) for full planning permission to replace the existing EfW and HTI facilities (**the "proposed development"**) at Lakeside Road with new facilities at a site to the immediate west of the existing Iver South Sludge Dewatering Centre, Colnbrook, Slough. A site location plan is shown in Figure 1.
- 1.0.2 In order to support the planning application Ramboll UK Limited (Ramboll) was appointed by Lakeside EfW Ltd to provide a ground conditions technical appendix to the ES that is being prepared by ToR in support of the planning application for the proposed development.

2. LEGISLATION AND POLICY

2.1 National Legislation

The Contaminated Land (England) Regulations 2006

- 2.1.1 The Contaminated Land (England) Regulations 2006 (SI 2006/1380) (as amended in 2012) came into force in August 2006, and consolidated previous regulations and amendments that addressed contaminated land (i.e. Part 2a of the Environmental Protection Act 1990 (EPA) as inserted by S.57 of The Environment Act 1995 and The Contaminated Land (England) Regulations 2000 (SI 2000/227)).
- 2.1.2 Statutory guidance for local authorities on how to implement the regulations, including the decision-making process on whether land is contaminated land in the legal sense, has been published by Defra and entered into force in April 2012 to support the regulations.
- 2.1.3 Under **Part 2A of the EPA Section 78A(2), "contaminated land" is defined as "land which appears... to be in such a condition, by reason of substances in, on or under the land, that:**
- i. significant harm is being caused or there is a significant possibility of such harm being caused; or
 - ii. significant pollution of controlled waters is being caused, or there is a significant possibility of **such pollution being caused"**.

Environmental Damage (Prevention and Remediation) (England) Regulations 2015'

- 2.1.4 Under the Environmental Damage Regulations land contamination may be classed as environmental damage if it creates a significant risk of harm to human health, or has serious adverse effects on the water environment or the biodiversity of protected species or habitats. It also sets out requirements for remediation (where a remediation notice is issued under these regulations) of damage to land such that **"the relevant contaminants are removed, controlled, contained or diminished so that the land no longer poses any significant risk of adverse effects on human health"**.

2.2 National Policy and Guidance

National Planning Policy Framework (NPPF) (Feb 2019)ⁱⁱ

- 2.2.1 The NPPF provides a number of policies relating to contaminated land. It indicates that the planning system should contribute to and enhance the natural and local environment by:
- i. Preventing both new and existing development from contributing to or being put at unacceptable risk from, or being adversely affected by unacceptable levels of soil, air, water or noise pollution or land instability; and
 - ii. Remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land, where appropriate.
- 2.2.2 To prevent unacceptable risks from pollution and land instability, the NPPF also considers that planning policies and decisions should ensure that new development is appropriate for its location. Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rests with the developer and/or landowner.
- 2.2.3 The NPPF states that planning policies and decisions should also ensure that:
- i. The site is suitable for its new use taking account of ground conditions and land instability, including from natural hazards or former activities such as mining, pollution arising from previous uses and any proposals for mitigation including land remediation or impacts on the natural environment arising from that remediation; and
 - ii. After remediation, as a minimum, land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990.

Contaminated Land Report CLR 11 Model Procedures for the Management of Land Contamination

- 2.2.4 This Environment Agency guidance provides the technical framework for structured decision making about land contamination. CLR 11 advocates a phased approach to risk assessment comprising:
- i. Preliminary Risk Assessment (PRA) – desk study and qualitative assessment;
 - ii. Generic Quantitative Risk Assessment (GQRA) – assessment of contaminant concentrations against generic assessment criteria; and
 - iii. Detailed Quantitative Risk Assessment (DQRA) – detailed site-specific risk assessment and development of site-specific assessment criteria.

2.3 Local Policy

Replacement Minerals Local Plan for Berkshire 2001ⁱⁱⁱ

- 2.3.1 The purpose of the Minerals Local Plan is to provide a basis for making decisions that strike the **balance between the need to produce minerals and the need to protect the environment and people's** quality of life. Planning applications for mineral extraction can often pose difficult problems, as mineral **extraction can have significant negative impacts on the environment and people's living conditions** over a long period of time. However, mineral extraction is important for economic activity on a national scale. Because of this national importance, potential mineral producing sites must be safeguarded from development that would prevent future extraction.
- 2.3.2 **The Minerals Local Plan sets out the definition of "Preferred Areas" for mineral extraction: areas where** (subject to various detailed matters as described in Chapter 5 of the plan) there will be a general

presumption in favour of extraction being allowed. This is to ensure that an appropriate quantity of available sites is preserved to allow forecast demand for minerals to be met.

2.3.3 Policy 2 of the Plan **states that planning authorities “will oppose proposals which could cause the sterilisation of mineral deposits on the proposed development site, or which would prejudice the future working of minerals on adjacent sites except where it is demonstrated that:**

- i. The mineral deposit is of no commercial interest and is unlikely to be so in the future; or
- ii. Having regard to all relevant planning considerations, there is an overriding case in favour of allowing the proposed development to proceed without prior extraction of the mineral; or
- iii. Extraction of the mineral would be subject to such strong environmental or other objection that it would be highly unlikely that it would ever be permitted in any circumstances”.

2.3.4 Policy 2A **provides additional detail by stating that “in appropriate cases, the local planning authorities will encourage the extraction of minerals prior to other more permanent forms of development taking place. Planning permission will be granted on applications for prior extraction of minerals, provided that:**

- i. Mineral extraction and restoration to an appropriate standard can be completed within a timetable that would not unreasonably prejudice the timetable for the subsequent development; and
- ii. Mineral extraction and restoration operations, or their associated traffic, would not cause unacceptable impacts on the environment or living conditions”.

Slough Local Development Framework Core Strategy 2006-2026^{iv}

2.3.5 Core Policy 8 (Sustainability and the Environment) part 3 refers to requirements in regard to pollution. The policy states the following:

“Development shall not:

- i. Give rise to unacceptable levels of pollution including air pollution, dust, odour, artificial lighting or noise;
- ii. Cause contamination or a deterioration in land, soil or water quality; and
- iii. Be located on polluted land, areas effected by air pollution or in noisy environments unless the development incorporates appropriate mitigation measures to limit the adverse effects on occupiers and other appropriate receptors”.

3. METHODOLOGY

3.1 Assessment Approach

3.1.1 The scope of this technical appendix is as follows:

- i. Present factual data with regard to the historical and environmental setting of the site and its immediate surroundings;
- ii. Formulate an initial conceptual site model (CSM) and preliminary qualitative risk assessment in relation to land contamination; and
- iii. Interpret this information in terms of potential:
 - (a) Environmental effects associated with the proposed development;
 - (b) Requirements for further work (e.g. investigation and risk assessment); and
 - (c) Mitigation requirements during construction or within the design of the project.

- 3.1.2 Limitations associated with this technical appendix are presented in Appendix A.
- 3.1.3 This technical appendix constitutes a Preliminary Investigation under British Standard 10175:2011+A2:2017 **Investigation of Potentially Contaminated Sites – Code of Practice**^v and has utilised the guidance set out in CLR 11: Model Procedures for the Management of Land Contamination^{vi} in its preparation. Legislation context and methodologies are given in Appendix B.
- 3.1.4 This technical appendix does not cover any issues other than those relating to contaminated land. Within the context of this assessment, the site is taken to be the land proposed for the construction of the replacement EfW and HTI facilities, the access road to it, plus the construction compound area

3.2 Assessment Criteria

- 3.2.1 The significance of a particular effect is dependent on the magnitude of change and the sensitivity of the receptor combined with the likelihood of that effect occurring. The classifications of consequence and probability presented in Appendix C have been used in the assessment presented in this technical appendix. Consequence and probability are then combined in order to produce a resultant risk classification as also presented in Appendix C. Any risk being identified as moderate/low risk or above has been classified as being significant for the purposes of the EIA.

3.3 Consultation

- 3.3.1 Consultation was undertaken with Slough Borough Council and the Environment Agency (EA). Responses are provided in Appendix D.
- 3.3.2 Slough Borough Council confirmed that the site is partially located on two separate sites that have been identified by the council as “low risk” (**ranked as part of the Council’s Inspection Prioritisation Procedure**) but they are not currently considered as priority sites for further investigation. The sites identified in the Slough records are Tanhouse Farm Landfill site and the clay shooting range. The Petroleum Enforcement Authority did not identify any locations for which petroleum storage records are available either within the site or within 250 m of the site boundary. The records did note the proposal to construct a 1250 m long bentonite slurry wall along the boundary of Iver South Sewage Treatment Works, toed into the London Clay Formation in order to allow the reduction of groundwater levels during construction.
- 3.3.3 The EA responded with information regarding potential risks to groundwater only. Their records confirm those already reviewed with regards to the locations and names of landfill sites at and within the vicinity of the site. They include a notice of modification to waste management licences, including one dated 2003, for the Tanhouse Landfill (sic), requesting details of a leachate management system, whereby leachate would be extracted once it reached a level of 14.74 m AOD.

4. BASELINE

4.1 Site Description

- 4.1.1 The site is centred around National Grid reference 503337N, 178009E and is split into two portions, divided by a northwest to southeast orientated ditch. A site walkover was undertaken by a Ramboll consultant in February 2019, from which the following site description is derived. Site elevations range from 20.6 m to 25.9 m Above Ordnance Datum (mAOD), with the highest levels recorded within the southwestern extent of the site, presenting an elevation change of +5.3 m towards the southwest across the site. To the south of the ditch lies an open field with scrub in which horses were set to

pasture at the time of the walkover. To the north lies an area of mixed scrub land and bushes which is operated as a part of a clay shooting club. The ditch that divides the site is heavily vegetated and demonstrated no flow in the water that was observed within it. Given the layout of ditches at the site, together with the observed topography, it is anticipated that when there is an adequate volume of water in the ditch, it would flow towards to the northwest.

- 4.1.2 To the south and west of the location of the proposed EfW building the open fields continue for a distance of up to 500 m. The route of the proposed access road crosses these fields roughly along the line of a slightly elevated ridge of land, and joins the A4 (Colnbrook bypass) to the south. A bridle path crosses the fields along this same ridge and crosses the A4 adjacent to the Colne Brook. To the north the site is bounded by the remainder of the clay shooting range land and the M4. To the east of the location of the proposed EfW building lies a sewage treatment works operated by Thames Water and further to the east, Colne Brook and a series of lakes.
- 4.1.3 **A ditch ("Ditch 2")** (see Plate 1, below, and Figure 3) was observed to be ochre in colour, indicative of iron-sulphide minerals (typically associated with acid mine drainage, and in this case potentially indicative of an upstream source of pollution). To the south of the site (and to the east of the proposed access road) a shallow depression containing water was observed (see Plate 1, below, and Figure 2). This appears to be ephemeral in its extent and was partially filled with dumped bricks. For further details on the water features at and in the vicinity of the site, see the water quality technical appendix^{vii}.
- 4.1.4 No evidence of significant land contamination was witnessed during the site walkover. No tanks or areas of spillage or vegetation die-back were observed. Fly tipping was, however, observed in a number of places including near the entrance to the sewage treatment works, by the Colne Brook immediately south of the access road to the sewage treatment works and where the bridle path crosses the A4. The locations of several boreholes/monitoring wells were identified.



Plate 1 Site Photos (from top left, clockwise): unidentified monitoring well, flytipping at junction of bridle path and A4, ditch with ochre staining, water filled depression containing dumped bricks

4.2 Site Background

- 4.2.1 Historical maps showing the history of development and occupation at and in the vicinity of the site are presented in Appendix E. Development has been very limited. Maps dating from 1876 to 1972 show the site as undeveloped arable fields. By 1972 several areas of land, including a portion of the site to the south of the northwest to southeast orientated ditch, had been excavated and were filled with water. The map labels them as being disused by this point. By 1988, the pits appear to have been filled, **with a handwritten note to the south of the site saying "landfill site", though the lack of detail in the mapping makes it difficult to ascertain the exact extent of this.**
- 4.2.2 The sewage treatment works to the east of the site first appears on the 1932 map, at which time it utilised natural filter beds for secondary waste water treatment. By the publication of the 1972 map, these beds had been replaced with formal sludge beds. The maps show that the works has undergone a number of stages of expansion and change over time.
- 4.2.3 By 1966 the M4 had been constructed to the north of the site, whilst the M25 first appears on the map of 1989.

4.1 Geology and Hydrogeology

4.1.1 The anticipated geological sequence and hydrogeological attributes of the site have been identified using information from the following sources:

- i. British Geological Survey (BGS) Geological Mapping^{viii};
- ii. BGS historical borehole logs^{viii};
- iii. BGS hydrogeological maps^{viii};
- iv. EA groundwater vulnerability mapping, aquifer maps and groundwater source protection zones^{ix};
- v. EA landfill records^x;
- vi. Envirocheck Database (see Appendix E); and
- vii. Ground investigation reports for the site (referenced within the text).

4.1.2 The geology beneath the site is presented in the Envirocheck report in Appendix E, an extract of which is presented in .

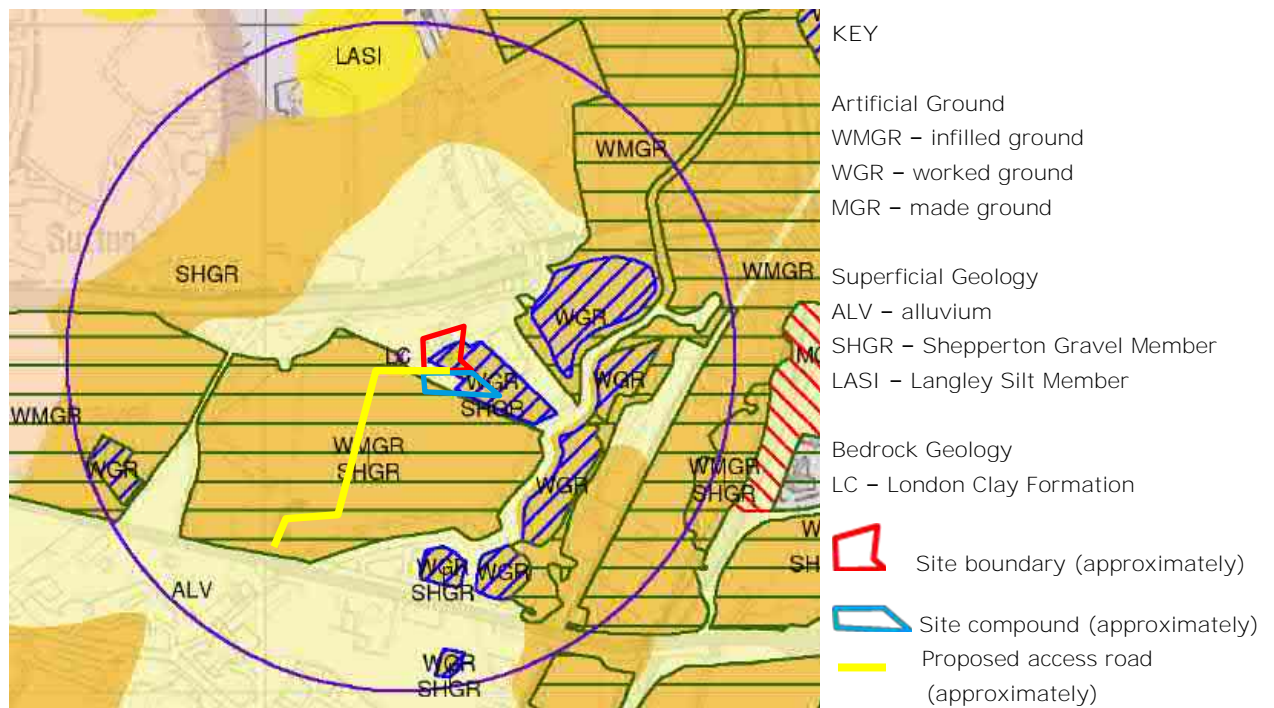


Plate 2 Site Geology

Superficial Geology

4.1.3 BGS mapping shows that the site is mostly underlain by the Shepperton Gravel Member of the Maidenhead Formation which is a strata of river terrace deposits (RTDs) consisting generally of clay and sand. The northern portion of the site is underlain by alluvium.

Bedrock Geology

4.1.4 BGS mapping shows that the site is underlain by the London Clay Formation. This formation mainly comprises bioturbated or poorly laminated, blue-grey or grey-brown, silty clay or clayey silt with some layers of sandy clay. It commonly contains thin layers of carbonate concretions and disseminated pyrite. It also includes a few thin beds of shells and fine sand partings or pockets of sand, which commonly increase towards the base and towards the top of the formation. At the base, and at some

other levels, thin beds of black rounded flint gravel occur in places. Glauconite is present in some of the sands and in some clay beds, and white mica occurs at some levels.

- 4.1.5 Beneath the London Clay Formation, at a depth of approximately 30 metres below ground level (mbgl) lie the Woolwich and Reading Formations and beneath that, the White Chalk Subgroup.

Existing Ground Investigation Data

- 4.1.6 The logs from two ground investigations^{xi,xii} undertaken by Network Rail and Heathrow Airports Ltd (HAL) within the site boundary (including access road alignment) and up to 200 m from it have been reviewed. Where logs are available they indicate a general sequence of Made Ground over alluvium, RTDs and the London Clay Formation. Locations of the ground investigation locations for which logs were reviewed are given in Figure 3. Made Ground was encountered up to depths of up to 8.8 m to the south of the dividing ditch whilst to the north Made Ground was encountered in one of the two investigation locations, only to a depth of 0.8 m. In some locations where Made Ground was recorded, it lies directly over the London Clay Formation, but in most locations it is underlain by either alluvium or RTDs indicating that there is the potential for direct contact of any contamination present within the Made Ground with water in the RTDs.

4.2 Artificial Ground

- 4.2.1 Historical maps and EA licence information (See Appendices D and E) indicate the presence of landfilling activities at the site (historically) and in the vicinity (current). Additionally, the southern half of the site is recorded as being subject to mineral extraction. Table 4.1 provides a summary of details relating to these activities, and is based upon a buffer area of 400 m from the site boundary.

Table 4.1 Summary Mineral Extraction and Landfilling Activities

Artificial Ground Type	Distance and Direction from Site	Details
Landfill sites	Underlies the southern half of the EFW part of the site and continues to the south	<p>Historical</p> <p>Name: Tanhouse Farm No 1.</p> <p>Period of operation: From 1964 to 1991</p> <p>Types of waste deposited: unclear. EA digital database lists inert, industrial, commercial and liquid sludge as being deposited.</p> <p>Envirocheck listed construction and demolition waste plus excavated natural materials. It lists household and commercial, industrial, liquid and poisonous wastes as being prohibited.</p> <p>Benefits from gas control measures - no</p> <p>Benefits from leachate control measures - no</p>
	Approximately 600 m west of the site	<p>Current – Operated by Biffa. Closed and restored</p> <p>Name: Colnbrook landfill</p> <p>Types of waste deposited: unknown</p> <p>Benefits from gas control measures - unknown</p> <p>Benefits from leachate control measures - unknown</p>
	Approximately 400 m southwest of the site	<p>Historical</p> <p>Name: Tanhouse No 2 landfill</p> <p>Period of operation: 1976 to 1991</p> <p>Types of waste deposited: industrial, commercial and household, liquid sludge</p> <p>Benefits from gas control measures - unknown</p> <p>Benefits from leachate control measures - unknown</p>

Artificial Ground Type	Distance and Direction from Site	Details
British Geological Survey (BGS) Mineral Sites	Underlies the southern half of the site and continues to the south of the site	Tanhouse Farm Gravel Pit Sand and gravel opencast excavation, extracting from the Shepperton Gravel member. Excavations ceased – no records available for period of operation.

- 4.2.2 The locations of the landfill sites are shown in Figure 3.
- 4.2.3 The Replacement Minerals Local Plan for Berkshireⁱⁱⁱ records the portion of the site to the north of the **northwest to southeast orientated ditch as being within “Preferred Area 14”, containing valley gravels** (i.e. RTDs) and having a potential yield of 150,000 tonnes (this yield includes the above noted portion of the site plus an area immediately to the west). The boundary of Preferred Area 14 is shown in Figure 3 and an extract from the Replacement Minerals Local Plan giving details of it is given in Appendix F.
- 4.2.4 Being a Preferred Area implies a general presumption that it is suitable for sand and gravel extraction, but does not imply an assumption that planning for such activities would be easily granted. There would not be sufficient time available to practicably extract this relatively small volume of mineral and meet the tight project timeframes to secure this replacement regionally important waste management infrastructure. Use of part of the Preferred Area for the proposed development rather than mineral extraction would result in the partial loss of a relatively small volume of safeguarded mineral resources or working, which is unlikely to be commercially or practicably viable for extraction in the foreseeable future and on balance would not contradict with the NPPF.
- 4.2.5 The construction will require excavation to allow installation of the building to a minimum of 5 mbgl. Where such excavation takes place within the boundary of Preferred Area 14 and removes sand and gravel, any such excavation would be subject to the policies for Preferred Areas as set out in the Minerals Local Planⁱⁱⁱ: The plan states in Section 5.26 that where **“considerable” amounts of mineral extraction take place even though they are not the main purpose of any application, “the local planning authorities will judge the mineral extraction component of any such proposals strictly in accordance with the principles laid down” in the plan.** The definition of “considerable” is unknown, as are any restrictions that may be placed on the use of any such material extracted i.e. whether it could be re-utilised on site.
- 4.2.6 Further discussion of the Preferred Area and its context from a planning point of view is included within the Planning Support Statement accompanying this planning application.
- 4.2.7 Based upon review of the documents and data sources listed above, the expected geological and hydrogeological sequence at the site is summarised in Table 4.2.

Table 4.2 Geological and Hydrogeological Summary

Strata	Estimated Thickness ** (m)	Description	Aquifer Status ^{ix}	WFD Details (Latest River Basin Cycle) ^{xiii}		
				Waterbody	Chemical Status	Quantitative Status
Made Ground	0.2-8.8	-	Not classified	-	Not classified	Not classified
Alluvium Superficial	0.3-3.05	Clay, silt, sand and gravel	Secondary A	-	Not classified	Not classified
Langley Silt Member Superficial	0.6-2.7	Yellow-brown silt to clay	Not classified	-	Not classified	Not classified

Strata	Estimated Thickness ** (m)	Description	Aquifer Status ^{ix}	WFD Details (Latest River Basin Cycle) ^{xiii}		
				Waterbody	Chemical Status	Quantitative Status
Shepperton Gravel Member Superficial	0.7-4.2	Sand and gravel	Principal	Lower Thames Gravels	Good	Good
London Clay Formation Bedrock	Recorded at full depth of most investigation locations: 30 m plus	Clay, silt and sand	Unproductive -		Not classified	Not classified

* Note that groundwater vulnerability is based upon information currently published by the UK Government at www.magic.gov.uk. Newer groundwater vulnerability classifications were produced in 2017 but have not yet been made publicly available via the Magic.gov website

** Taken from borehole and trial pit logs reviewed to date^{xi,xii}

4.3 Ground Contamination

- 4.3.1 A limited amount of information regarding ground contamination status is available within the records from two ground investigations^{xi,xii} carried out within the site boundary and up to 200 m from it.
- 4.3.2 Within the area encompassed by the historical landfill, the presence of material consistent with landfilling was recorded in the logs, including black organic clay, clinker, wood, textiles, glass, brick, concrete, roadstone, ash, bricks, plastic, tiles, metal, polystyrene, and a small number of household items such as pegs and a shuttlecock.
- 4.3.3 The Fugro report^{xi} presents a limited amount of soil analytical information covering analytical determinands including, asbestos, metals and organics. In general, the analytical results indicate very high concentrations of iron within soils though these are not untypical of the area northwest of London^{xiv}. In addition, concentrations of other metals such as lead, copper and zinc stand out but potentially are also within the ranges observed as background this close to London. Heavier end hydrocarbons are noted in a number of samples, as are polycyclic aromatic hydrocarbons, but not at significantly high concentrations. Asbestos was detected in Made Ground at three locations within borehole HEP-BH-12 (loose fibres of amosite) and borehole HEP-BH-20 (loose fibres of amosite) and trial pit HEP-TT-19 (loose fibres of chrysotile).
- 4.3.4 A high level review of the available monitoring and analytical data from HAL indicates the following:
- i. Groundwater analysis: analysis of groundwater samples indicates the presence of elevated concentrations of hydrocarbons and ammonia in certain locations within the boundary of the landfill. No dense non-aqueous phase liquids (DNAPL) or light non-aqueous phase liquids (LNAPL) were recorded in any monitoring well; and
 - ii. Soil analysis: An extensive suite of analysis has been undertaken on soil samples. Within the **database provided, the soil samples are labelled as 'liquid' though results are quoted in units per kg**. The only analyses labelled as being on soil are tests such as fraction organic carbon. **It is not possible to determine if this is because the 'liquid' results are from waste acceptance criteria or if it is reflective of their categorisation upon entry into the AGS system.**

A high level review of the data indicates the presence of hydrocarbons in a number of locations, though no exceptionally high concentrations stand out. Asbestos identification (ID) tests consistently resulted in no detection. Several samples were subjected to asbestos quantification which returned concentrations of < 0.001%.

4.4 Surface and Groundwater

- 4.4.1 Surface and groundwater bodies may act as either a receptor for contamination or may act as a pathway. Key water features at and in the vicinity of the site are detailed in the water quality technical appendix^{vii}. Two licensed groundwater abstractions are located within 1 km of the site. Details of these are presented in Table 4.3.
- 4.4.2 Groundwater monitoring undertaken as part of the HAL investigation shows that groundwater is present at shallow depths below the site, with a 0.5 m -0.8 m seasonal range in level for the EfW site and the access road, plus 0.3 m -1.59 m¹ range for the construction compound area. Construction activities will therefore encounter and need to manage significant volumes of groundwater. Data is only available for land to the north of the drainage ditch that bisects the EfW part of the site but groundwater levels are likely to be similar to the south of the ditch aswell².
- 4.4.3 Given the location of the River Thames to the south and the direction of flow of the Colne Brook, it is anticipated that groundwater is likely to flow in a southerly or south easterly direction. The water levels within the lakes to the east of the site are considered likely to be representative of groundwater levels in the study area as these surface water features and the groundwater are likely to be in hydraulic connectivity via the gravels.

Table 4.3 Licensed Groundwater Abstractions

Distance/ Direction from Site	Operator	Source	Purpose	Extraction Rates
170 m northeast	Thames Water Utilities Ltd	Envirocheck states "groundwater" The BGS Onshore Geoindex records the borehole log for this well. It is 123 m deep. It records plain casing being installed in the borehole from ground surface to 64 m below the top of the well. Water extracted from this borehole must therefore be sourced from the White Chalk Subgroup	Process water	Not recorded
950 m west	RMC Aggregates (Greater London) Ltd	White Chalk Subgroup	Mineral washing	2273 m ³ /day

¹ This excludes one reading of 5 mg/l, which is inconsistent with all other monitoring data and thus considered likely to be erroneous

² Detailed assessment of the information available should allow estimation of groundwater levels to the south of the ditch, specifically in the area of the proposed deeper excavation for the bunker, during the design stage

4.5 Ground Gases

- 4.5.1 Table 4.1 lists details of the historical landfilling that took place over part of the site and to much of the area immediately to the south of it plus along the line of the proposed access road. The presence of such landfilled material plus natural alluvium presents the potential for the decay of organic material within them which may give rise to ground gas generation.
- 4.5.2 Records of methane and carbon dioxide have been recorded in wells, both within the boundary of the landfill and in wells to the north of the landfill as part of the HAL ground investigation. Concentrations were recorded as being elevated but are well within those that might be expected from Made Ground. Concentrations from a gassing landfill would be expected to be higher than those recorded. Based on the currently available information, the site would be classified as representing a low to very low risk, however, although gas concentrations were recorded in a variety of atmospheric conditions, almost none were taken in what would be deemed low pressure conditions (i.e. < 1000 mb). Results may therefore not represent a worst-case scenario. Additionally, only limited numbers of methane records are available. It is likely that a degree of protection from ground gases will be required within the building design, details of which will need to be confirmed by further investigation and analysis of monitoring results.

4.6 Radon

- 4.6.1 Basic radon protection measures are considered necessary to be incorporated into the construction of new buildings or extensions where the action level for radon set by Public Health England (200 becquerels per cubic metre (Bq/m³)) is exceeded. These guidelines refer to residential dwellings but can be considered conservative for commercial properties. The action level for commercial properties is 300Bq/m³ and assessment of potential worker exposure is the responsibility of the occupant.
- 4.6.2 The following data sources have been reviewed to assess the potential risk posed by radon at the site of the proposed development:
- i. UK Radon risk mapping data obtained from the Health Protection Agency (HPA) Radon Map for the site^{xv}; and
 - ii. Building Research Establishment (BRE) Radon Guidance on Protective Measures for New Buildings 2015^{xvi}.
- 4.6.3 According to the UK radon map, the site is located in an area where the percentage of residential properties which have been recorded to exceed the action level for radon is less than 1%. In terms of measures to mitigate the risk, no radon protection measures are considered necessary by the BRE.

4.7 Unexploded Ordnance (UXO)

- 4.7.1 The potential risk of encountering unexploded ordnance at the site is shown in Plate 3. The bomb risk at the site, as classified by Zetica Ltd, is 'low'.

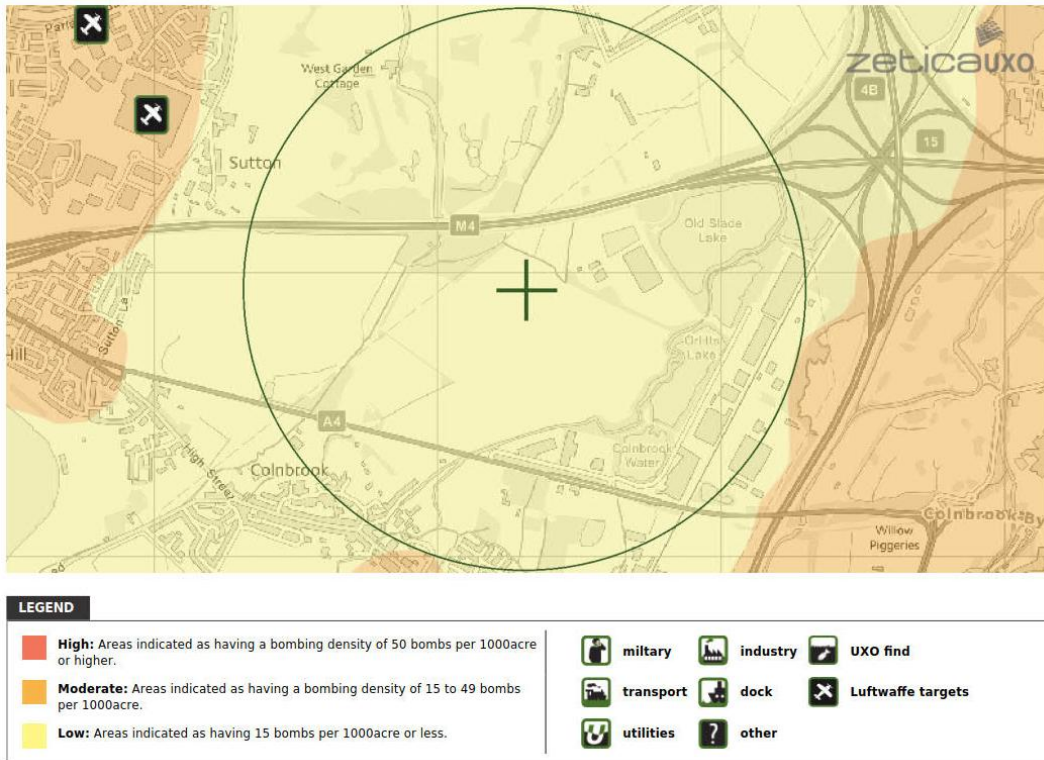


Plate 3 UXO Risk*

* Sourced from Zetica online UXO risk mapping (<https://zeticauxo.com/downloads-and-resources/risk-maps/>). Centre of EFW site is located at the + sign.

4.8 Other Environmental Information

4.8.1 Site specific environmental data was sourced from the Envirocheck database (see Appendix E). The database information has been reviewed, with a summary of records considered relevant to the site provided in Table 4.4.

Table 4.4 Selected Envirocheck Information

Issue	Number of/ Distance from Site (m)	Information
Activities subject to pollution revention and control licensing	7 501 - 1000	26 licences are in place at seven properties located within 500 m to 1000 m of the site, mainly to the south, southeast and southwest. The majority of the licences are associated with the current Lakeside energy from waste plant on Lakeside Road. Others relate to a petrol filling station and mineral and agreegregate processing. Due to the nature of the activities and their distances from the site, these are not considered significant to the proposed development.
Prosecutions related to Authorised Processes	1 501 - 1000	Land at Colnbrook Bypass, Colnbrook, Slough. Relates to operating an illegal waste transfer station. Due to distance from the site this is not considered significant to the proposed development.
Discharge consents	10 501 - 1000	Discharge into Colne Brook (or one of its tributaries) or other unspecified freshwater stream, lake, reservoir or river from site drainage or (in one case) final treated sewage effluent. Process water discharge from a vehicle maintenance depot via soakaway. Due to distance from the site these are not considered significant to the proposed development.
Pollution incidents	1 0 - 250	The nearest incident was 230 m southeast of the site, where unknown sewage was discharged into Colnbrook. The incident

Issue	Number of/ Distance from Site (m)	Information
	5 501 - 1000	occurred May 1995. All other incidents relate to unknown sewage releases between 1993 and 1997, except for one incident in November 1993 which involved release of unknown chemicals into Iver South Stw 814 S of site. Due to dates of incidents, these are not considered significant to the proposed development.
Trade directory entries	69 501 - 1000	The majority of entries are inactive. Primarily relate to Freight Forwarders, Road Haulage Services and Distribution. Some commercial vehicle servicing and petrol filling stations. Due to distance from the site this is not considered significant to the proposed development.
Fuel Stations	1 501 - 1000	
Hazardous sites (COMAHH, NNHIS etc)	None	N/A
Waste transfer and treatment facilities	1 501 - 1000	The records under this category incorporate S Grundon Waste on Lakeside Road and include both bailing and incineration of a wide variety of waste types.
Designated sites	1 0 - 250	Ancient woodland 248 m northwest of site. The site is located within adopted Green Belt. Potential effects on this woodland and implications of the site's designation are addressed within the natural heritage chapter of the Environment Statement.
Wetlands	None	N/A
Other sites of potential ecological importance	None	N/A

5. EFFECTS OF THE PROPOSALS DURING CONSTRUCTION AND OPERATION

5.1 Conceptual Site Model

5.1.1 The information presented in the previous sections of this report has been collated and evaluated to develop an initial conceptual model for the site. Further details of the legislative context and background to assessment methodologies utilised are provided in Appendix B.

Potential Sources

5.1.2 The potential contamination sources are summarised in Table 5.1.

Table 5.1 Potential Sources

	Metals/metalloids	Cyanide	Nitrates/Ammonia	Sulphates/Sulphides	Asbestos	pH	PAHs	SVOCs (excl PAHs)	TPH	VOCs	PCBs	Pesticides	Herbicides	Fertilisers	Dioxins/furans	Organoleads	Organotins	Bulk gases e.g. carbon dioxide and methane	Glycols	Phosphates	Explosives	Radioactivity	Microbiological
Mobility (I = immobile, L = low mobility, M = mobile)	L	L	M	M	I	L	L	M	L/M	M	L	M	M	M	L	L	L	M	M	M	I	M	M
Persistence (P = persistent, D = degrades)	P	P	D	P	P	P/D	P	P/D	P/D	P/D	P	D	D	D	P	P	P	P/D	P	D	P	P/D	D
Phase (S = soil, W = water, V = vapour)	S/W	S/W/V	S/W	S/W	S	S/W	S/W/V	S/W/V	S/W/V	S/W/V	S/W	S/W	S/W	S/W	S/W	S/W	S/W	W/V	S/W	S/W	S	S/W/V	S/W
ONSITE																							
Carbon in natural strata: peat, organic matter in e.g. alluvium, chalk																		x					
Waste recycling, treatment and disposal sites: landfills and other waste treatment/disposal	x			x	x	x	x		x	x					x			x					x
Rifle range	x						x																
Fly tipping	x				x				x		x												
Agricultural land			x									x	x	x									x
OFF SITE																							
Carbon in natural strata: peat, organic matter in e.g. alluvium, chalk																		x					
Sewage works and sewage farms	x	x	x	x		x			x	x								x				x	x
Agricultural land			x									x	x	x									x

Potential Pathways

- 5.1.3 In order for the potential contaminants to pose a risk to the identified receptors, there has to be a viable pathway for the contaminant. The potential pathways are summarised in Table 5.2.

Table 5.2 Potential Pathways

Receptor	Pathway	Comments	Applicable Phase	
			Cons	Op
Human health	Dermal contact	Future site users could come into direct contact with soils in soft landscaped areas. This pathway will be eliminated where buildings, hardstanding and other engineered surfaces will remove the contaminant pathway.		✓
		Construction workers have the potential to come in direct contact with soil and groundwater during site enabling works and construction activities.	✓	
	Dust/soil ingestion/inhalation Inhalation of asbestos fibres	Future site users have the potential to be impacted through inhalation and the ingestion of dust and asbestos fibres) liberated from soils in soft landscaped areas. These pathways will be eliminated where hardstanding and other engineering surfaces remove the contaminant pathway.		✓
		Construction workers may be subject to accidental soil ingestion and inhalation of dust (and asbestos fibres). This may also affect adjacent site users if dusts are blown from the site.	✓	
	Permeation of buried water supply pipes	Organic contaminants may permeate buried plastic water supply pipes and enter the water system. This may affect future site users.		✓
	Vapour inhalation	Volatiles from organic compounds could be generated from contaminants in the ground. These have the potential to migrate and build up in in buildings and confined spaces potentially affecting future site users or construction workers.	✓	✓
	Build up ground gases within buildings or confined spaces	Carbon dioxide and methane could be generated from the underlying geology, landfilled waste and/or contaminants in the ground. These have the potential to migrate and build up in in buildings and confined spaces potentially affecting future site users or construction workers.	✓	✓
Water environment	Leaching of contaminants, and migration into water environment	There is potential for rainfall infiltration, leaching and contaminant migration in open areas of the site, and in areas of potential soakaways.	✓	✓
	Creation of pathways via piling or other construction /development design	Deep foundations will be required to support the proposed development and building levels require the excavation to at least 5 mbgl to allow installation of the building itself. There is the potential for contamination within Made Ground to be mobilised via newly created pathways into the RTDs or potentially deeper strata, depending on the depth of the piles and degree of contamination present.	✓	
	Mobilisation of contaminants from sub-surface strata	Given the excavation requirements there will be the potential need to undertake dewatering. This has the potential to mobilise contamination into water in	✓	

Receptor	Pathway	Comments	Applicable Phase	
			Cons	Op
	and surface soils through dewatering and excavation activities	excavations, potentially causing contamination of water that is pumped out (and potentially discharged to a surface watercourse for disposal), groundwater and of adjacent water bodies that are in hydraulic continuity with the groundwater.		
	Mobilisation of contaminated soils directly into surface water	A number of ditches cross or border the site. The surface water drainage strategy includes attenuated discharge to surface water and mobilisation of surface contamination has the potential to enter these water courses and migrate off site.	✓	✓
Buildings and structures	Build up of ground gases within buildings or confined spaces	Carbon dioxide and/or methane gases could be generated from the underlying geology or landfilled material which have the potential to migrate and build up in buildings and confined spaces to concentrations which pose a risk of causing explosion/ignition.	✓	✓
	Damage to buried structures / services	Some contaminants could affect subsurface construction materials (note that consideration of BRE concrete classification is beyond the scope of this assessment)		✓
Flora	Plant uptake	Unlikely. Due to minimal soft landscaping.		✓

Cons – construction, Op - operation

Receptors

- 5.1.4 The site-specific receptors that could potentially be affected by the contamination hazards are summarised in Table 5.3.

Table 5.3 Potential Receptors

Receptor	Comments	Cons	Op
On site			
Human health - end users	Future users of the site once developed		✓
Human health - Ground workers	Workers involved in construction and future maintenance workers and grounds persons	✓	
Groundwater	The RTDs are a designated aquifer. The Thames Water Utilities Ltd abstraction at the sewage treatment works is not considered a receptor based on current information due to the depth of abstraction (source is the White Chalk Subgroup)	✓	✓
Surface water (including aquatic life)	Ditches that cross the site	✓	✓
Buried infrastructure and building foundations	Buildings and materials used below ground e.g. foundations, buried concrete and water supply pipes		✓
Buildings and structures	Buildings and enclosed structures on site		✓
Flora	Plants may uptake phytotoxic contaminants	✓	

Receptor	Comments	Cons	Op
Off site			
Human health - adjacent site users	Users of surrounding facilities	✓	✓
Groundwater	The RTDs are a designated aquifer	✓	✓
Surface water (including aquatic life)	Ditches that border the site plus the Horton Brook and Colne Brook	✓	✓

Cons - construction Op - operation

5.2 Qualitative Risk Assessment

- 5.2.1 Potential pollutant linkages have been identified using the source-pathway-receptor framework detailed above. An assessment of the potential significance of each linkage has then been made by consideration of the likely magnitude and mobility of the source, the sensitivity of the receptor and nature of the migration/exposure pathways.
- 5.2.2 This qualitative risk assessment has been undertaken in accordance with National House Building Council (NHBC) and EA, 2008^{xvii}, further details of which are provided in Appendix B including definition of risk categories. A table listing the potential pollutant linkages identified is presented in Appendix G. Table 5.4 summarises those potential risks from Appendix G that have been classified as potentially significant (i.e. with risk classifications of moderate/low or above).
- 5.2.3 The table **assumes, for the end user scenarios, that 'embedded mitigation' will be incorporated into the design of the proposed development to address any risks identified as potentially significant within this assessment and following interpretation of existing ground investigation information, completion of additional ground investigation and/or environmental monitoring at the site.** Such embedded mitigation might include gas protection, inclusion of hard standing, capping of landfill material where excavation into it is required.

Table 5.4 Potentially Significant Pollutant Linkages

Source - Contaminant	Pathway	Receptor	Likelihood	Consequence	Risk
Asbestos	Inhalation of fibres	Human health - Ground workers	Likely	Medium	Moderate
Bulk gases e.g. carbon dioxide and methane	Build up ground gases within buildings or confined spaces	Human health - Ground workers	Likely	Severe	High
		Human health - End users	Unlikely	Severe	Moderate/Low
		Human health - Adjacent site users	Unlikely	Severe	Moderate/Low
Cyanide	Dermal contact	Human health - Ground workers	Likely	Mild	Moderate/Low
	Dust/soil ingestion/inhalation	Human health - Ground workers	Likely	Mild	Moderate/Low
Metals/metalloids	Creation of pathways via piling or other construction activities /development design	Water bodies (groundwater)	Likely	Mild	Moderate/Low
	Dermal contact	Human health - Ground workers	Likely	Mild	Moderate/Low
	Dust/soil ingestion/inhalation	Human health - Ground workers	Likely	Mild	Moderate/Low
	Mobilisation of contaminated soils into surface water	Water bodies (surface water)	Likely	Medium	Moderate
Nitrates/Ammonia	Creation of pathways via piling or other construction activities /development design	Water bodies (groundwater)	Likely	Mild	Moderate/Low
PAHs	Creation of pathways via piling or other construction activities /development design	Water bodies (groundwater)	Likely	Mild	Moderate/Low
	Dermal contact	Human health - Ground workers	Likely	Mild	Moderate/Low
	Dust/soil ingestion/inhalation	Human health - Ground workers	Likely	Mild	Moderate/Low
	Leaching of contaminants, and migration into water environment	Water bodies	Likely	Mild	Moderate/Low
TPH	Creation of pathways via piling or other construction activities /development design	Water bodies (groundwater)	Likely	Mild	Moderate/Low
	Dermal contact	Human health - Ground workers	Likely	Mild	Moderate/Low
	Dust/soil ingestion/inhalation	Human health - Ground workers	Likely	Mild	Moderate/Low
	Leaching of contaminants, and migration into water environment	Water bodies	Likely	Mild	Moderate/Low

Notes: Should the development proposals alter significantly a review of this risk assessment may be required

- 5.2.4 In summary, a small number of potential risks have been identified that are potentially significant. These generally source from the landfill beneath part of the site and are associated with ground gases, contact of groundworkers to contaminants (including asbestos), the potential to cause contamination of the underlying aquifer by creation of pathways and runoff of contaminated sediments into nearby watercourses.

6. MITIGATION AND MONITORING

- 6.0.1 The construction of the proposed development will be undertaken under a Construction Environmental Management Plan (CEMP). A framework CEMP is provided in technical appendix C of the ES. This will be developed to manage potential environmental effects associated with ground conditions and the water environment which may occur during construction. This will incorporate a variety of best practice measures to mitigate the potential effects discussed in this chapter. At the current level of knowledge of contamination at the site it is anticipated that standard personal protective equipment (PPE) will be sufficient to provide protection to groundworkers, with the exception of asbestos which may need specific protocol and PPE.
- 6.0.2 Best practice mitigation measures will be implemented. Construction works will be carried out in line with EA Pollution Prevention Guideline (PPG) 5: Works and Maintenance in or Near Water^{xviii}. This document is no longer formally supported by the Environment Agency but is still considered to be representative of good practice. It advises that no potentially polluting activities should be carried out near:
- i. Groundwater abstraction boreholes; and
 - ii. Areas where groundwater is vulnerable (e.g. high groundwater table and thin covering of soil).
- 6.0.3 Both of these are applicable to the site. In addition to operation of the CEMP the following mitigation measures/further work will be undertaken:
- i. Additional ground investigation post planning submission and ongoing monitoring of groundwater quality and levels plus ground gas concentrations;
 - ii. Incorporation of gas protection measures into the design of the buildings within the proposed development, should gas monitoring results indicate that there is a need to do so;
 - iii. Development of a waste soils management strategy;
 - iv. Completion of a Foundation Works Risk Assessment in accordance with UK Environment Agency standards prior to construction to inform the potential risks associated with foundation types being considered or to identify mitigation measures that may be needed;
 - v. Interpretation post planning submission of existing ground investigation information with regards to existing surface and groundwater quality, leachate results;
 - vi. Minimisation of dewatering requirements through programming of excavation works to be as short as possible. The need for an environmental permit to undertake dewatering will be established and the necessary applications made as required. Co-ordination with Thames Water regarding dewatering activities should a potential risk to the deeper chalk aquifer be identified as part of the interpretation of ground investigation data and environmental permit risk assessment process;
 - vii. Development of remediation strategy (if needed) together with validation and verification documentation as needed;
 - viii. Preparation of pollutants, water and sediment management protocol to inform construction works (for example, minimising storage of hazardous chemicals on site and where storage is necessary, use anti-pollution measures such as bunded trays or leak proof containers);

- ix. Materials management strategy;
- x. Asbestos management and H&S safety plan; and
- xi. Confirmation from Slough Borough Council as to any restrictions or requirements at the site with respect to mineral extraction.

6.0.4 Regular on-site monitoring of the works will need to be undertaken by a contaminated land specialist during the construction phase. Such monitoring would include groundwater sampling, surface water inspections and materials handling observations. The detailed scope of the monitoring will be refined following detailed interpretation of the existing ground investigation data plus data from any additional ground investigation to be completed.

7. RESIDUAL EFFECTS

7.0.1 It is anticipated that with the implementation of the above measures there will be no significant residual effects.

8. CUMULATIVE EFFECTS

8.0.1 There are no cumulative effects anticipated in association with the qualifying schemes.

9. SUMMARY

9.0.1 A review of available information on the ground conditions at the site has been undertaken and this has identified potentially significant risks associated with the presence of a landfill beneath much of the site and the shallow depth at which groundwater is encountered. Specific risks are associated with:

- i. Ground gases sourced from the landfill;
- ii. Contact of groundworkers to contaminants such as asbestos and hydrocarbons;
- iii. The potential to cause contamination of the underlying aquifer by creation of pathways through excavation works and installation of foundations, particularly within the bounds of the landfill site; and
- iv. Runoff of contaminated sediments into nearby watercourses during construction.

9.0.2 These potential risks will be managed and mitigated in order to result in there being no residual risks associated with ground conditions.

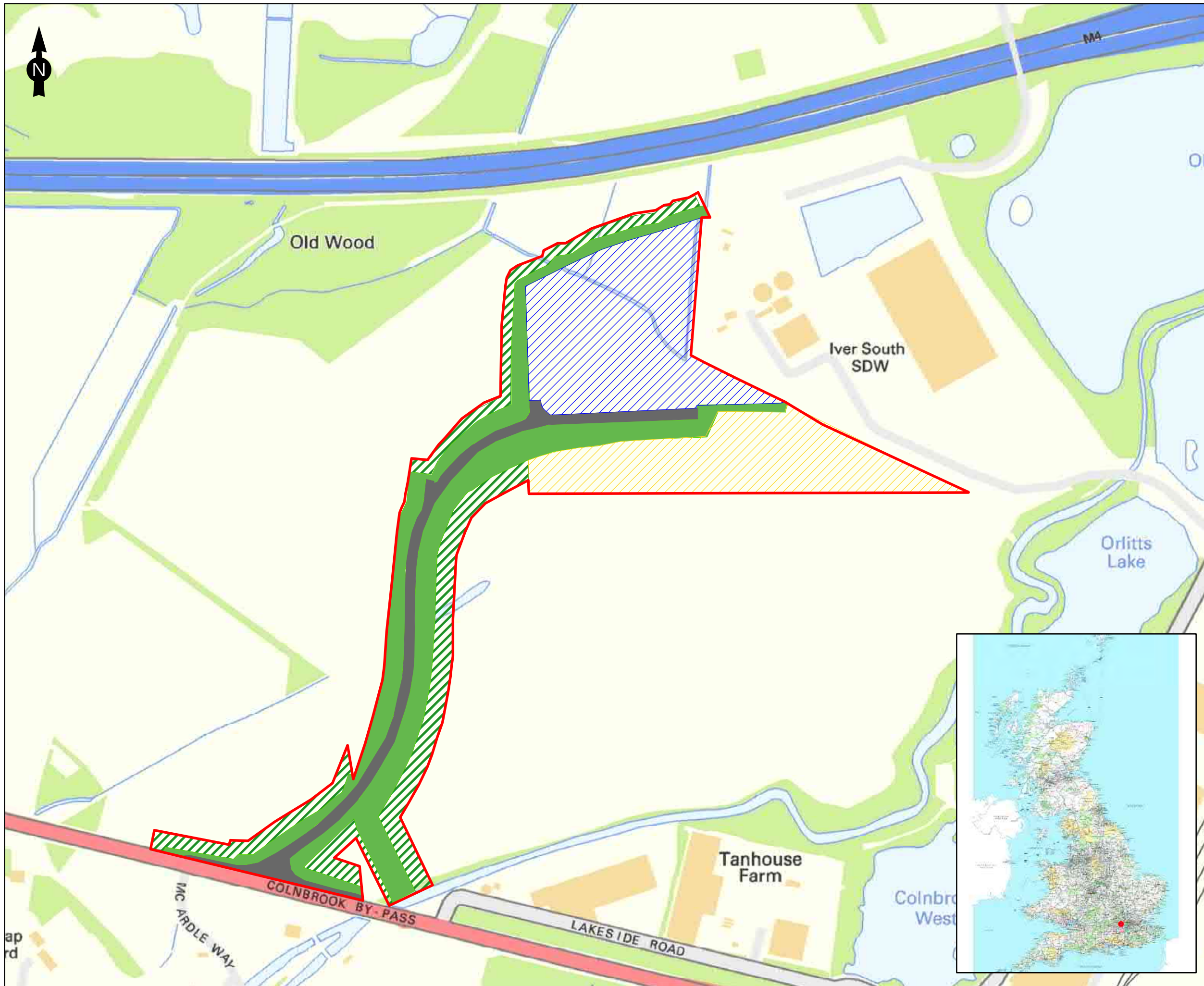
Detailed review of the existing ground investigation data will be required to inform necessary additional works (such as foundations works risk assessment), implications for design and further data needs. Additional ground investigation and monitoring will be required, which can be combined with investigations to inform the geotechnical design of the EfW plant.

FIGURES

FIGURE 1 SITE LOCATION PLAN

FIGURE 2 WATER FEATURES

FIGURE 3 EXISTING GROUND INVESTIGATION DATA

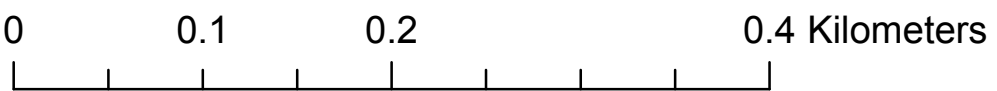


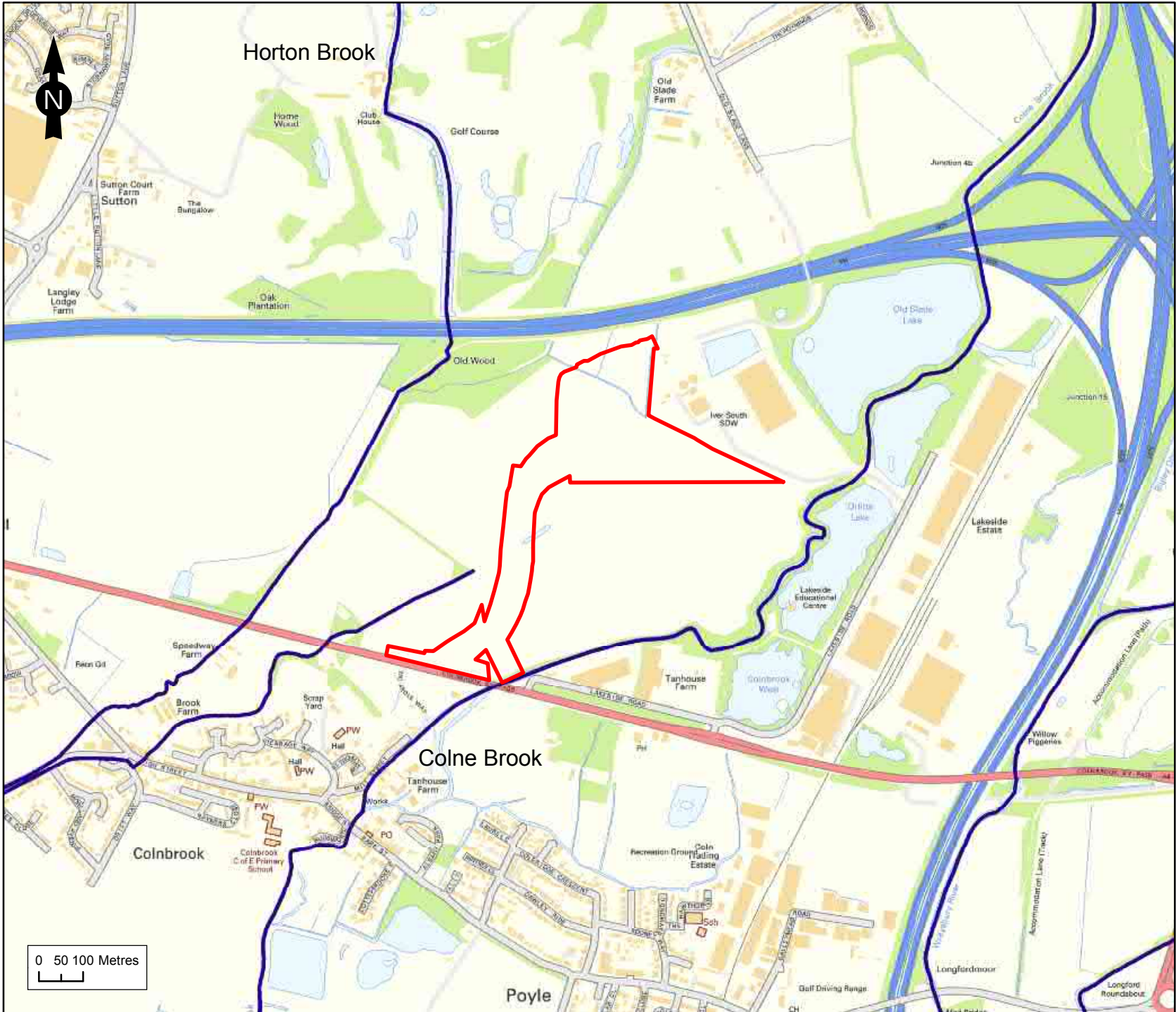
Legend

- Planning Application Boundary (13.7 ha)
- Proposed EfW and HTI Facilities (3.5 ha)
- Proposed junction with A4, access road, footpath and cycleway (1 ha)
- Temporary Construction Compound (2.5 ha)
- Batters, verges, native planting and sustainable drainage features (4 ha)
- Temporary working area - required during early stage earthwork construction. Land to be reinstated following earthworks completion (2.4 ha)



Figure Title	
Site Location and Planning Application Boundary	
Project Name	
Replacement Lakeside EfW and HTI Facilities	
Project Number	Figure No.
1620005898	1
Date	Prepared By
June 2019	JT
Scale	Issue
1:4,000 @A3	2
Client	
Lakeside EfW	



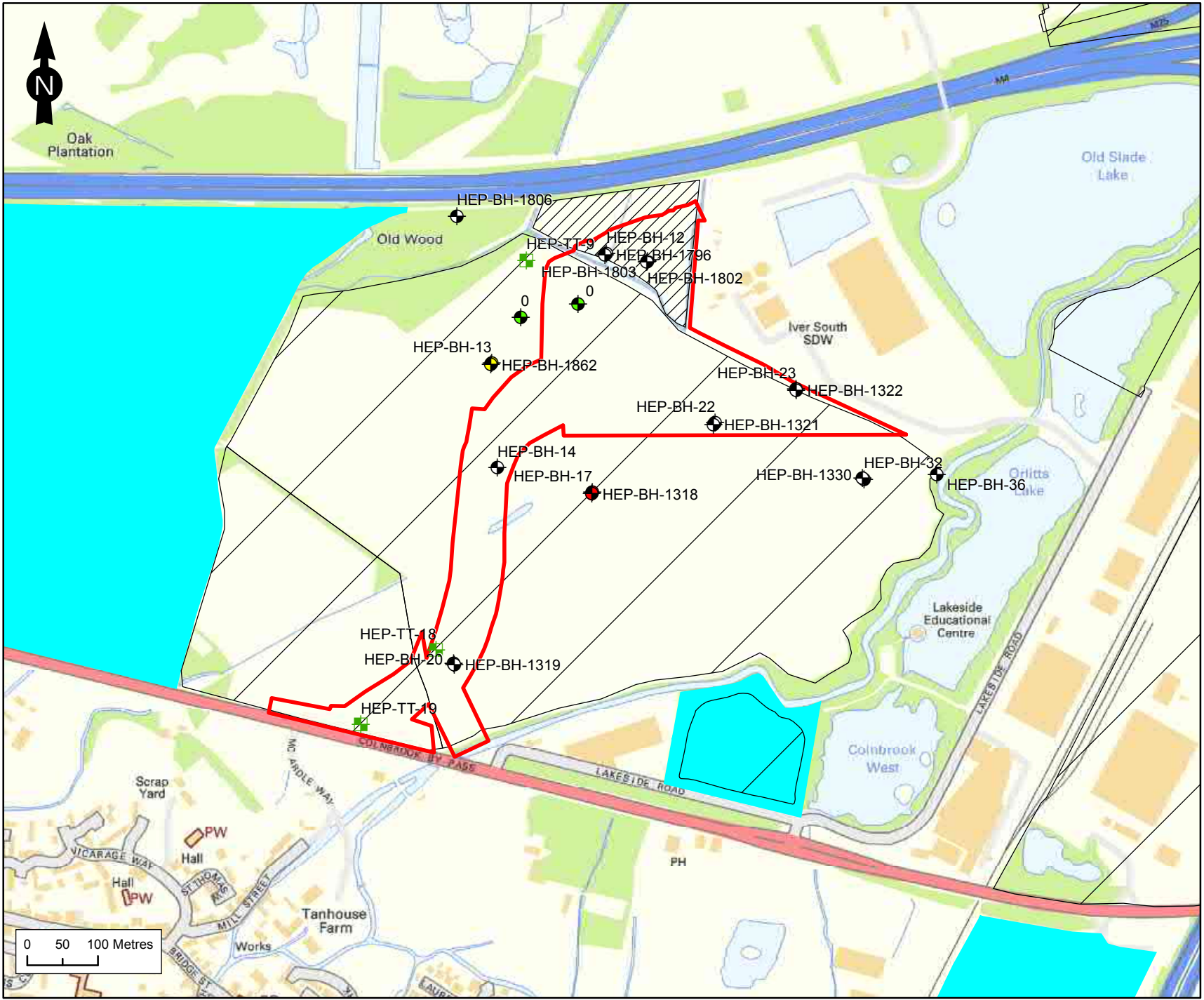


Legend

- Planning Application Boundary
- WFD Rivers and Canals

Figure Title Water Features	
Project Name Replacement of Lakeside EfW and HTI Facilities	
Project Number 1620005898	Figure No. 2
Date May 2019	Prepared By WF
Scale 1:12,072 @A4	Issue 2
Client Lakeside EfW	

Reproduced from Ordnance Survey digital map data © Crown copyright 2017. All rights reserved. Licence number 100040631
 Contains public sector information licensed under the Open Government Licence v3.0



Legend

- Planning Application Boundary
- Preferred Mineral Area 14
- Historic Landfill Sites
- Authorised Landfill Sites

HAL GI Locations

- + Cable Percussion Borehole
- Hollow Stem Auger Borehole
- Inspection Pit
- + Trial Pit

NR GI Locations

- + Cable Percussion Borehole

Figure Title
Existing Ground Investigation Data

Project Name
Replacement Lakeside EfW and HTI Facilities

Project Number 1620005898	Figure No. 3
------------------------------	-----------------

Date May 2019	Prepared By WF
------------------	-------------------

Scale 1:7,500 @A4	Issue 2
----------------------	------------

Client
Lakeside EfW



APPENDIX A LIMITATIONS

This report has been prepared for Lakeside Energy from Waste Ltd and shall not be relied upon by any third party unless that party has been granted a contractual right to rely on this report for the purpose for which it was prepared.

The findings and opinions in this report are based upon information derived from a variety of information sources. Ramboll believe these information sources to be reliable. Information from the public register was largely derived from the Envirocheck environmental database (Appendix E); information sources for this database include the Environment Agency (EA) and other statutory authorities.

This review has been prepared on the basis of the above information. Ramboll cannot accept any liability for the accuracy or otherwise of any information derived from third party sources. It should be noted that some of the aspects considered in this study are subject to change with time. Therefore, if the development is delayed or postponed for a significant period, a review should be completed to confirm that no changes have taken place, either at the site or within relevant legislation. The risk assessment detailed in the report is based on the end use specified; if this end use is changed then this risk assessment must be reviewed and amended as appropriate.

APPENDIX B LEGISLATION AND METHODOLOGIES

1. LEGISLATIVE CONTEXT

1.1.1. England

The regime for contaminated land was set out in Part 2A (ss.78A-78YC) of the Environmental Protection Act 1990 (EPA), as inserted by S.57 of The Environment Act 1995 and came into effect in England on 1st April 2000 as The Contaminated Land (England) Regulations 2000 (SI 2000/227). These regulations were subsequently revoked with the provision of The Contaminated Land (England) Regulations 2006 (SI 2006/1380) (as amended), which came into force in August 2006, and consolidated the previous regulations and amendments. Revised statutory guidance ("the Guidance") for local authorities on how to implement the regime, including the decision-making process on whether land is contaminated land in the legal sense, has been published by Defra and entered into force in April 2012.

Under Part 2A of the EPA Section 78A(2), "contaminated land" is defined as "land which appears... to be in such a condition, by reason of substances in, on or under the land, that –

- a) significant harm is being caused or there is a significant possibility of such harm being caused; or
- b) significant pollution of controlled waters is being caused, or there is a significant possibility of such pollution being caused".

1.1.2. Wales

The regime for contaminated land was set out in Part 2A (ss.78A-78YC) of the Environmental Protection Act 1990 (EPA), as inserted by S.57 of The Environment Act 1995 and came into effect in Wales on 1st July 2001 as The Contaminated Land (Wales) Regulations 2001 (WSI 2001/2197, W.157). These regulations were subsequently revoked with the provision of The Contaminated Land (Wales) Regulations 2006 (SI 2006/2989 W.278), which consolidated the previous regulations and amendments and added in provisions regarding radioactive contaminated land. These regulations came into force on 10th December 2006 and were accompanied by statutory guidance published by the Welsh Assembly Government in December 2006 ('the Guidance') for local authorities on how to implement the regime. The 2006 statutory guidance was replaced by the Contaminated Land Statutory Guidance - 2012 (WG19243), issued by the Welsh Government.

Under Part 2A of the EPA Section 78A(2), "contaminated land" is defined as "land which appears... to be in such a condition, by reason of substances in, on or under the land, that –

- a) significant harm is being caused or there is a significant possibility of such harm being caused; or
- b) pollution of controlled waters is being, or is likely to be caused" (Section 86 of the Water Act 2003 remains only partially implemented in Wales).

1.1.3. Scotland

The regime for contaminated land was set out in Part 2A (ss.78A-78YC) of the Environmental Protection Act 1990 (EPA), as inserted by S.57 of The Environment Act 1995 and came into effect in Scotland on 14th July 2000 as The Contaminated Land (Scotland) Regulations 2000 (SSI 2000/ 178). These regulations were subsequently revoked with the provision of The Contaminated Land (Scotland) Regulations 2005 (SSI 2005 /658), which came into force in April 2006 and consolidated the previous regulations and amendments and were accompanied by statutory guidance published by

the Scottish Government in May 2006 ('the Guidance') for local authorities on how to implement the regime.

Under Part 2A of the Environmental Protection Act 1990, "contaminated land" is defined in the Contaminated Land (Scotland) Regulations 2005 (as amended) as land which appears to the local authority to be in such a condition, by reason of substances in, on or under the land, that:

- a) significant harm is being caused, or there is a significant possibility of such harm being caused; or
- b) significant pollution of the water environment is being caused or there is a significant possibility of such pollution being caused.

1.1.4. Northern Ireland

The regime for Contaminated Land in Northern Ireland was set out in the Waste and Contaminated Land (Northern Ireland) Order 1997 (as amended). Part 3 of the Waste and Contaminated Land (Northern Ireland) Order 1997 contains the main legal provisions for the introduction of a contaminated land regime in Northern Ireland, but the regime is not yet in operation. It is noted that the Contaminated Land (Northern Ireland) Regulations 2006 and associated statutory guidance were published in draft for consultation in 2006, but have yet to be finalised. Under Part 3 of the 1997 Order, contaminated land is defined as,

"any land which appears to a district council in whose district it is situated to be in such a condition, by reason of substances in, on or under the land, that -

- (a) significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) pollution of waterways or underground strata is being, or is likely to be, caused.

"Significant harm" is defined in the draft guidance on risk based criteria and must be the result of a "pollutant linkage", which may be assessed using qualitative risk assessment models. The presence of a pollutant linkage relies on the Source-Pathway-Receptor concept, where all three factors must be present and potentially or actually linked for a potential risk to exist.

1.1.5. The Channel Islands

There is no formal contaminated land regime in the Channel Islands, as they are not part of the UK, and as such they usually adopt either the English or French legislation or create their own.

1.1.6. Isle of Man

There is no formal contaminated land regime in the Isle of Man, and they usually adopt a best 'practice approach' from a European country of choice on this basis.

1.1.7. Risk assessment Framework

"Significant harm" or "significant pollution of controlled waters" is defined in the Guidance on risk based criteria and must be the result of one or more relevant 'contaminant linkages' relating to the land.

The presence of a contaminant linkage relies on the Source-Pathway-Receptor concept, where all three factors must be present and potentially or actually linked for a potential risk to exist. For a risk of pollution or environmental harm to occur as a result of ground contamination, all of the following elements must be present:

- A source - a substance that is capable of causing pollution or harm;
- A receptor - something which could be adversely affected by the contaminant;
- and

- A pathway - a route by which the contaminant can reach the receptor.

If one of these elements is absent there can be no significant risk. If all are present then the magnitude of the risk is a function of the magnitude and mobility of the source, the sensitivity of the receptor and the nature of the migration pathway.

The Environment Agency Contaminated Land Report CLR 11 Model Procedures for the Management of Land Contamination provides the technical framework for structured decision making about land contamination. CLR 11 advocates a phased approach to risk assessment comprising:

- Preliminary Risk Assessment (PRA) – desk study and qualitative assessment
- Generic Quantitative Risk Assessment (GQRA) – assessment of contaminant concentrations against generic assessment criteria.
- Detailed Quantitative Risk Assessment (DQRA) – detailed site specific risk assessment and development of site-specific assessment criteria.

Each of these phases follows the same basic steps but adds site specific details and further certainty into the assessment as the stages progress. The basic steps are:

- Hazard identification and hazard assessment – development or refinement of the source-pathway-receptor conceptual model, and identification of potential pollutant linkages.
- Risk Estimation – qualitative risk estimation predicting magnitude and probability of potential consequences that may arise as a result of a hazard.
- Risk Evaluation – deciding whether a risk is unacceptable.

APPENDIX C
SIGNIFICANCE CRITERIA

Ground conditions – classification of consequence

Definition	
Classification	<p>Severe</p> <p>Highly elevated concentrations likely to result in 'significant harm' to human health as defined by the Environmental Protection Act 1990, Part 2A, if exposure occurs.</p> <p>Equivalent to Environment Agency Category 1 pollution incident including persistent and / or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce.</p> <p>Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long term maintenance of the population.</p> <p>Catastrophic damage to crops, buildings or property.</p>
	<p>Medium</p> <p>Elevated concentrations that could result in 'significant harm' to human health as defined by the Environmental Protection Act 1990, Part 2A, if exposure occurs.</p> <p>Equivalent to Environment Agency Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce.</p> <p>Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long term maintenance of the population.</p> <p>Significant damage to crops, buildings or property.</p>
	<p>Mild</p> <p>Exposure to human health unlikely to lead to 'significant harm'.</p> <p>Equivalent to Environment Agency Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce.</p> <p>Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long term maintenance of the population.</p> <p>Minor damage to crops, buildings or property.</p>
	<p>Minor</p> <p>No measurable effect on humans.</p> <p>Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems.</p> <p>Repairable effects of damage to buildings, structures and services.</p>

From: Environment Agency, NHBC and Chartered Institute of Environmental Health, 2008, Guidance for the Safe Development of Housing on Land Affected by Contamination.

Ground conditions – classification of probability*

Definition	
High likelihood	There is a pollutant linkage and an event would appear very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood	There is a pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.
Unlikely	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

From: Environment Agency, NHBC and Chartered Institute of Environmental Health, 2008, Guidance for the Safe Development of Housing on Land Affected by Contamination.

*only applies if there is a possibility of a pollutant linkage being present

Ground conditions – the classification of risk

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate / low risk	Low risk
	Low likelihood	Moderate risk	Moderate / low risk	Low risk	Very low risk
	Unlikely	Moderate / low risk	Low risk	Very low risk	Very low risk

Description of the classified risks

Very high risk

There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without remediation action OR there is evidence that severe harm to a designated receptor is already occurring. Realisation of that risk is likely to present a substantial liability to the site owner or occupier. Investigation is required as a matter of urgency and remediation works are likely to follow in the short term.

High risk

Harm is likely to arise to a designated receptor from an identified hazard at the site without remediation action. Realisation of the risk is likely to present a substantial liability to the site owner or occupier. Investigation is required as a matter of urgency to clarify the risk. Remediation works may be necessary in the short term and are likely over the longer term.

Moderate risk

It is possible that harm could arise to a designated receptor from an identified hazard. However, it is relatively unlikely that any such harm would be severe and, if any harm were to occur, it is more likely that the harm would be relatively mild. Further investigative work is normally required to clarify the risk and to determine the potential liability to the site owner / occupier. Some remediation works may be required in the longer term.

Low risk

It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely, at worst, that this harm if realised would normally be mild. It is unlikely that the site owner / occupier would face substantial liabilities from such a risk. Further investigative work (which is likely to be limited) to clarify the risk may be required. Any subsequent remediation works are likely to be relatively limited.

Very low risk

It is a low possibility that harm could arise to a designated receptor, but it is likely, at worst, that this harm if realised would normally be mild or minor.

No potential risk

There is no potential risk if no pollution linkage has been established.

From: Environment Agency, NHBC and Chartered Institute of Environmental Health, 2008, Guidance for the Safe Development of Housing on Land Affected by Contamination.

APPENDIX D
CONSULTATION RECORDS



Environmental Enquiry Report

Reference No.: EE-000784

Site Location

Proposed replacement of
Lakeside EfW and HTI
Lakeside EfW Ltd
Lakeside Road
SL3 0EG
Slough

Client

Amy Paraskeva
Ramboll
Carlton House
Ringwood Road
Woodlands
Southampton
SO40 7HT

4th April 2019

Table of Contents

1. Environmental Enquiry	3
2. Summary Report Datasheet	4
3. Site Investigation Sites	5
3.1. Detailed data for Site Investigation Sites	6
4. Potentially Contaminated Land sites	7
4.1. Detailed data for Potentially Contaminated Land sites	8
5. Slough Landfills	11
5.1. Detailed data for Slough Landfills	12
6. Superficial Sand & Gravel	13
6.1. Detailed data for Superficial Sand & Gravel	14

1. Environmental Enquiry

I wish at this point to draw your attention to the Council's disclaimer in respect of contaminated land queries, which is reproduced at the end of this report.

Slough Borough Council has published its strategy for the inspection of contaminated land as part of its duties under the contaminated land regime. The Council is reviewing map and other information sources to identify potentially contaminative historical and current land uses in order to assess the risk of contamination of land within the Borough. The Council will be inspecting those sites identified as potentially contaminated through this data review process on a risk based approach. Sites which have been designated as Contaminated under Part 2A of the Environmental Protection Act 1990 can be viewed at www.slough.gov.uk.



This enquiry site is partially located on two separate sites that have been identified as low risk, ranked as part of the Council's Inspection Prioritisation Procedure, but they are not currently considered a priority sites for further investigation.

While the Council does not at this time intend to carry out a detailed inspection of the site or any adjoining or adjacent land, this does not mean that the Council will not plan to carry out such inspection(s) at a future date, should available information reflect the need for an inspection as per the legislative guidance.

The following sections provide the detailed response to your specific enquiry:

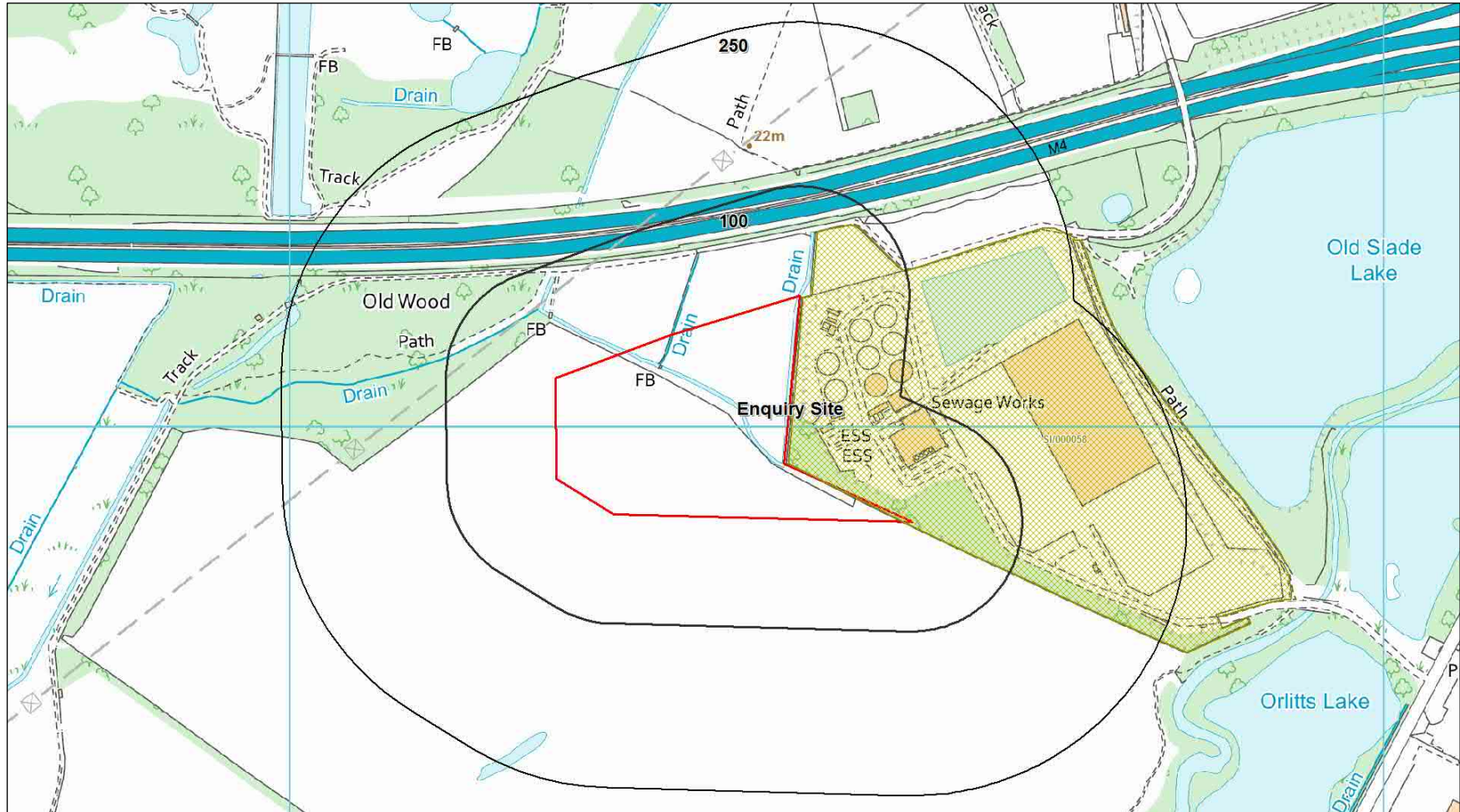
1. **Are there any contaminated land records associated with the site? If so can you provide the details of said records.**
Details of such records are provided in Sections 4 & 5 of this Report.
2. **Does the Petroleum Licensing Authority archive hold any records of petroleum storage at or in the immediate vicinity of the site, either in above ground or below ground tanks?**
The Petroleum Enforcement Authority did not identify any locations for which petroleum storage records are available.
3. **If yes, please provide the following information where available: number of tanks and capacity (including location plan); length of time tanks were in use for/present on site; what is the current status of tanks; if any leaks or spills have occurred; integrity testing records.**
No such information exists for the enquiry site or anywhere within 250m.

2. Summary Report Datasheet

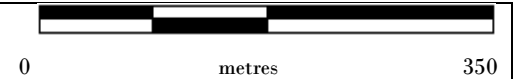
Key	Layer Name	Search Distance	No. Selected
	Site Investigation Sites	250 m	1
	Potentially Contaminated Land sites	250 m	4
	Slough Landfills	250 m	2
	Superficial Sand & Gravel	100 m	2

End of summary report


3. Site Investigation Sites



© Crown copyright and database rights (2016) OS (100019446)



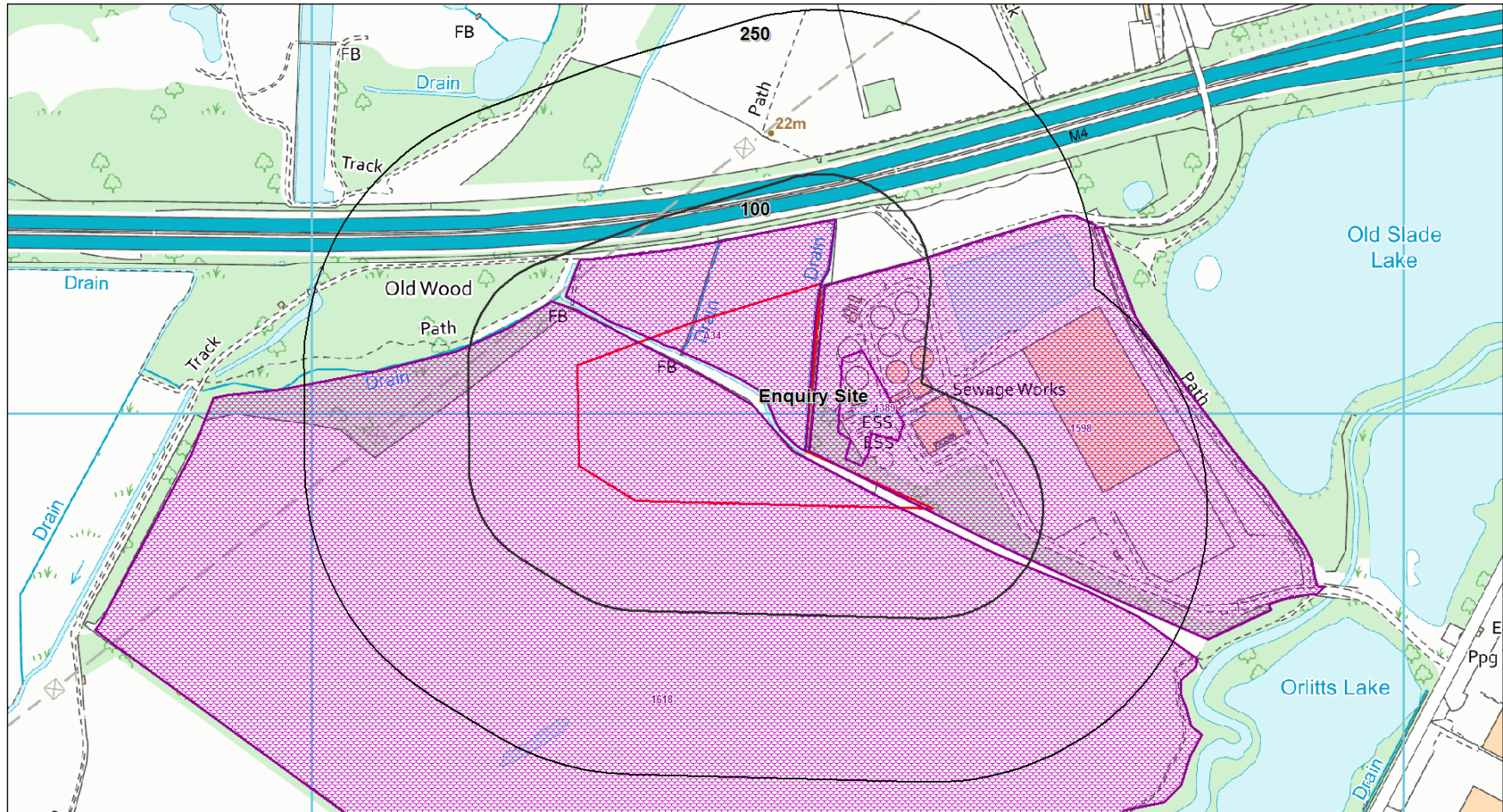
Site Investigation Sites

Regions - 

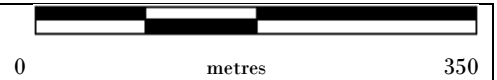
3.1. Detailed data for Site Investigation Sites

ID	Site Name	Address	Approx. distance (m)	Approx. Area (m ²)	Grid Reference
On site					
None					
Off site - Within 100m					
SI/000058	Old Slade Lane	Iver South STW	1	104414	503684, 177989
Reports available:					
<ol style="list-style-type: none"> 1. Thames Water, Perry Oaks Relocation Project – Iver South Sludge Dewatering Works Environmental Statement, March 1993. 2. Foundation and Exploration Services Limited, Report on Stage 1 Contaminated Land Assessment, Ref: B00246, September 2000. 3. Thames Water Utilities, Ground Investigation, Ref: GG1743, 1 November 2000. 4. Thames Water Utilities, Ground Investigation – Volume 1, Ref: GG1775, 5 March 2001. 5. Thames Water Utilities, Ground Investigation – Volume 2, Ref: GG1775, 5 March 2001. 6. Foundation and Exploration Services Limited, Interpretative Report on Ground Investigation, Ref: B01320, 17 January 2002. 7. Foundation and Exploration Services Limited, Interpretative Report on Ground Investigation – Addendum, Ref: B01320, 17 January 2002. 8. Binnie Black & Veatch / Costain, Noise Strategy, Ref: 47RB_A1_X_4117, 28 January 2002. 9. Binnie Black & Veatch / Costain, Waste Minimisation Strategy, Ref: 47RB_A1_X_4118, 19 March 2002. 					
Off site - Within 100 - 250m					
None					


4. Potentially Contaminated Land sites



© Crown copyright and database rights (2016) OS (100019446)



Potentially Contaminated Land sites

Regions - 

4.1. Detailed data for Potentially Contaminated Land sites

ID	Site name	Ranking	Location	Current use	Contaminative use	Approx. distance (m)	Approx. Area (m ²)	Grid Reference
On site								
1618	Tanhouse Farm (1) Landfill Site	L	Slough	Industrial or factory building -vented - 0- 50m	Waste: Landfills and other waste treatment & disposal sites	0	429937	503307, 177739
<p>Status The site was filled in between 1977 to 1989, reportedly with commercial and industrial "inert wastes".</p> <p>Site History Reference to the OS 0377NW (1971) shows there to be a disused pit, and three large bodies of water - flooded extraction pits. The OS plan of O377NE (1971) shows there to be a small body of water there on-site. Reference to the Fairey Surveys Ltd aerial photo (7/9/71. 1:0,000. Run 36 8.885) shows the most of the site to be flooded extraction workings. Earth works are in process in the south east corner of the site. Planning sources reveal that the land was originally dug for gravel during the 1960s.</p> <p>Reference to the Fairey Surveys Ltd aerial photo (27/5/76. 5,000ft. Run 7 7.618) shows the site to have been infilled with the exception of the lake (Ref 1415). It would appear that this is in the process of being infilled, due to earth works in the middle of the lake.</p> <p>Reference to the Clyde Surveys Ltd (13/6/81. 1:12,000. Run 6 2.651) shows there to be land rising of the north of the site with further wastes.</p> <p>Reference to the JA Storey & Partners aerial photo (7/10/86. 1:10,000. Run 6 2.651) shows the northern area to be infilled, though not grassed. The rest of the site to the east and west of this is grassed.</p> <p>Reference to the Aerofilms aerial photo (19/8/91. 1:10,000. Run 7 1099) shows the whole site to be grassed.</p> <p>Reference to the Aerofilms aerial photo (14/9/96. 1:0,000. Run 7 4739) shows the site to be unchanged. Planning information indicates that the site was originally filled with commercial and industrial waste in the 1970s.</p> <p>Additional Information No information available.</p> <p>Site Investigation No information available.</p> <p>Remediation Status No information available.</p>								

ID	Site name	Ranking	Location	Current use	Contaminative use	Approx. distance (m)	Approx. Area (m ²)	Grid Reference
A34	Shooting Range	L	Old Slade Lane	Industrial or factory building -vented - 0-50m	Rifle Range	0	24770	503354, 178072

Status

No information available.

Site History

The site was identified from Iver South Sewage Works desk study report by FES (August 2000) as being adjacent to northwest of sewage works.

Additional Information

No information available.

Site Investigation

No information available.

Remediation Status

No information available.

Off site - Within 100m

1598	Iver South Sewage Treatment Works	L	Old Slade Lane, Slough	Outdoor Industrial/communal Yard - on site	Sewage works and sewage farms	1	101936	503690, 177987
------	-----------------------------------	---	------------------------	--	-------------------------------	---	--------	----------------

Status

The associated sites Ref 1389 Scar and Ref 1405 Water are within the boundary of the sewage works, and these sites should all be considered together. Site operational as sewage farm since pre 1932. Under the T5 application, granted in December 2001, allows for the decommissioning of Perry Oaks sewage works and Iver Sewage Works and replacement plant to take the total capacity for both at Iver Sewage Works. In January 2002 a meeting was underway for satisfaction of planning conditions in terms of contamination and odour, noise etc. Contamination condition, condition no 41, states that any existing contamination from existing use as sewage works is to be identified and remediated as necessary.

Site History

The County Series Ordnance Survey map of 1932 for the area shows there to “natural filter beds” and “filter beds” on-site at Iver Sewage Works. The next available map, Ordnance Survey sheet 03 77 NE (1971) shows the natural filter beds to now be marked as sludge beds. The sewage works is present through to date.

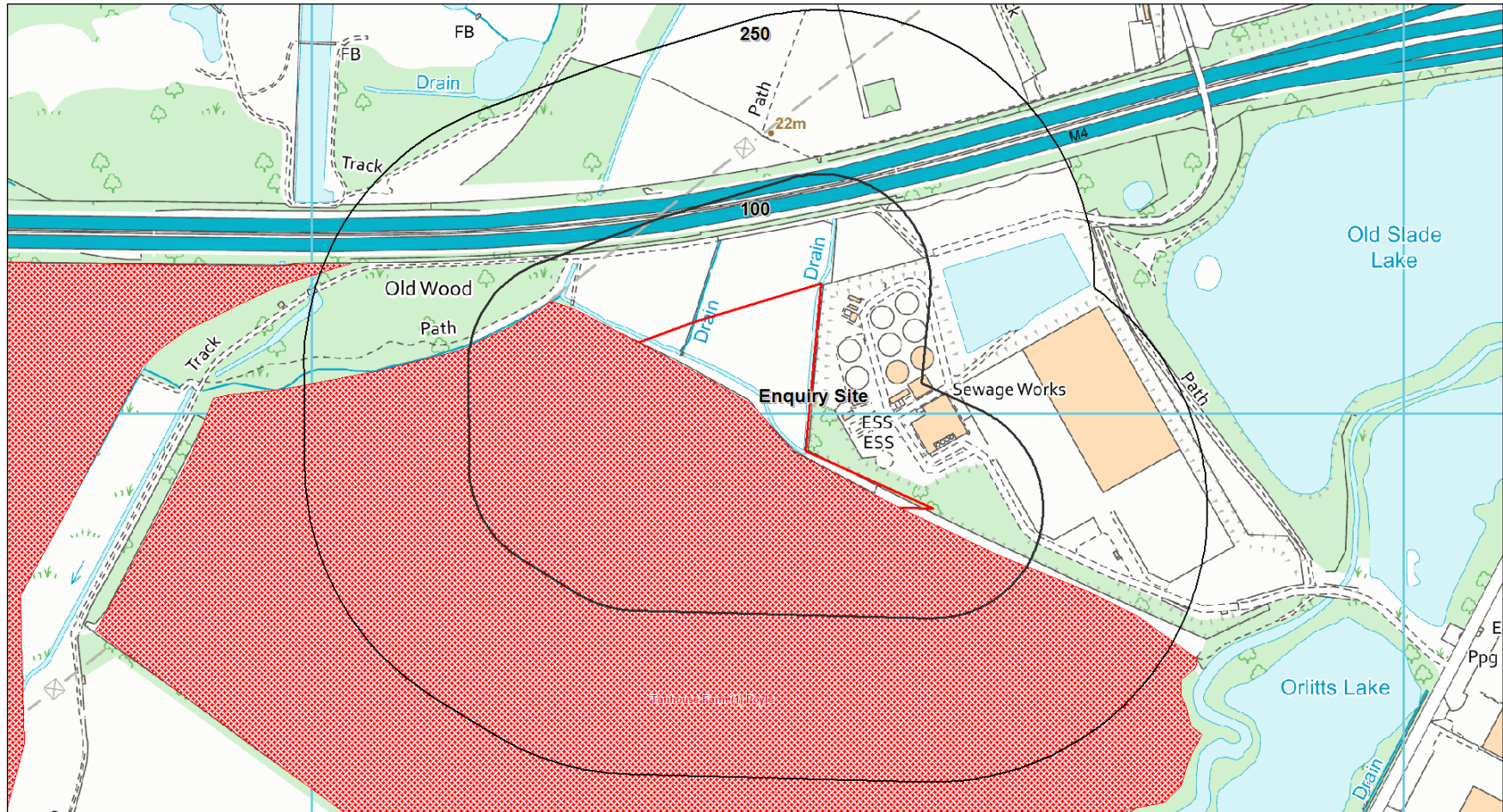
Additional Information

No information available.

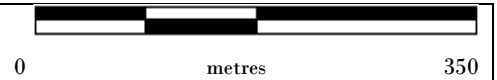
Site Investigation

ID	Site name	Ranking	Location	Current use	Contaminative use	Approx. distance (m)	Approx. Area (m ²)	Grid Reference
No information available.								
<p>Remediation Status In order to reduce ground levels need to reduce groundwater levels. Proposed to install bentonite slurry cut off wall which will surround the site 1250m in length 600mm wide, the permeability will be: 1X10-9m/s. Act as a barrier toed into the London Clay. Any surface water during construction will be collected and discharged into the pumping station to be treated at Mogden STW</p>								
1389	Iver South Sewage Works	L	Old Slade Lane	Outdoor Industrial/communal Yard - on site	Factory or works - use not specified	9	3646	503511, 178005
<p>Status This site is located within the boundary of Iver Sewage Works (ref. 1598), and is considered with that site.</p> <p>Site History The OS plan of 1971 showed there to be a Scar on-site. The Scar was not marked on Plotos 1998 map.</p> <p>Additional Information No information available.</p> <p>Site Investigation No information available.</p> <p>Remediation Status No information available.</p>								
Off site - Within 100 - 250m								
None								


5. Slough Landfills



© Crown copyright and database rights (2016) OS (100019446)



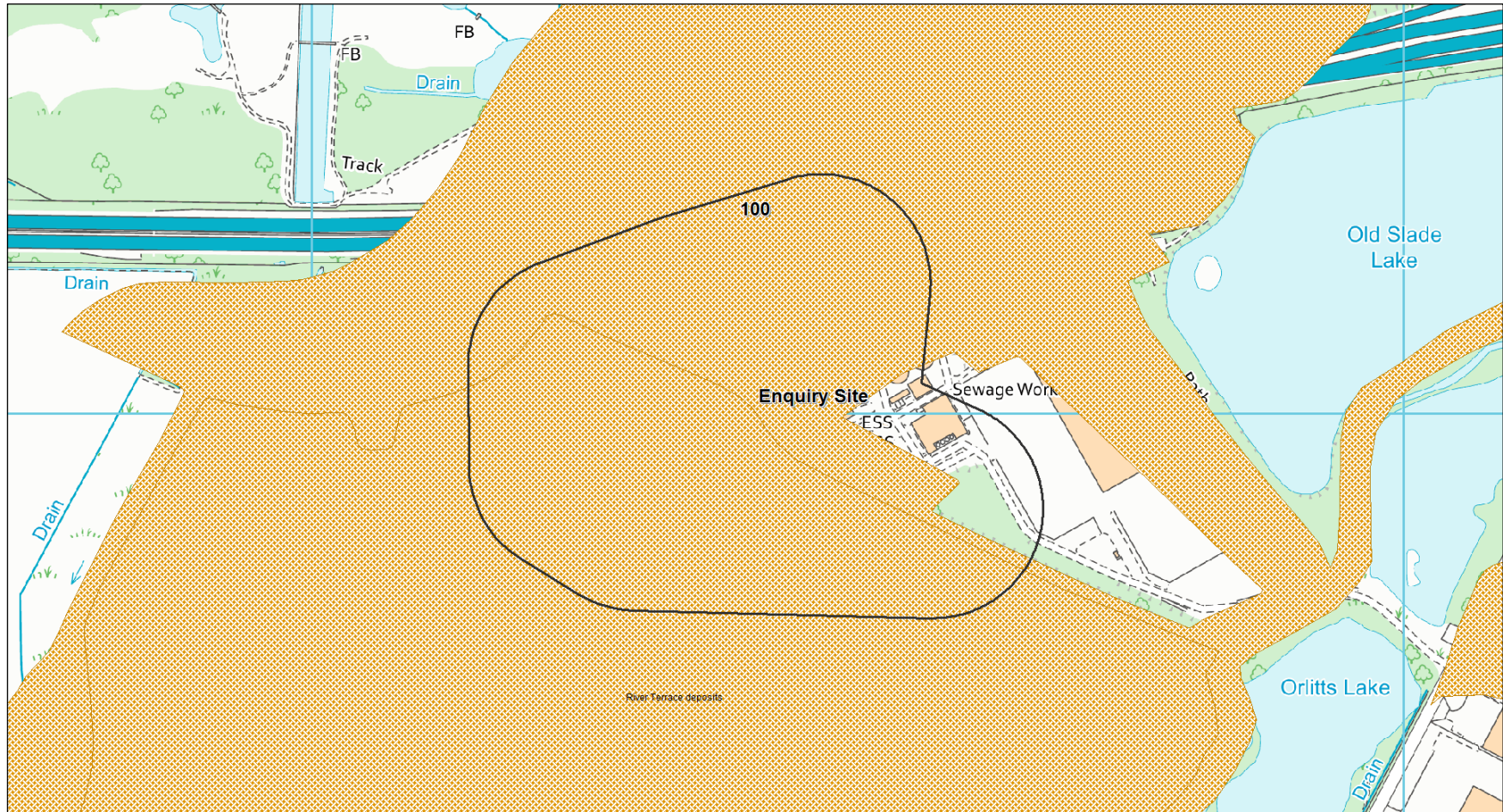
Slough Landfills

Regions - 

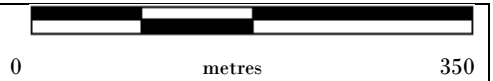
5.1. Detailed data for Slough Landfills

ID	Name	Address	Site type	Approx. distance (m)	Approx. Area (m ²)	Grid Reference
On site						
LF/000030	Tanhouse Farm (1) Poyle	No data	Landfill	0	429937	503307, 177739
Off site - Within 100m						
None						
Off site - Within 100 - 250m						
LF/000025	Sutton Lane	No data	Landfill	227	382134	502551, 177812

6. Superficial Sand & Gravel



© Crown copyright and database rights (2016) OS (100019446)



Superficial Sand & Gravel

Regions -

6.1. Detailed data for Superficial Sand & Gravel

Mineral resource	Approx. distance (m)	Approx. Area (m ²)	Grid Reference
On site			
River Terrace deposits	0	508505	503284, 177740
Sub-alluvial River Terrace deposits - Inferred resources	0	78188052	500355, 157363
Off site - Within 100m			
None			

End of report

Disclaimer

The information supplied may have been provided to the Council by third party sources, or may have been compiled from or may summarise information from such sources. It is therefore supplied on the basis that the Council does not warrant or represent the accuracy of the information or answers provided. While the information or answers are provided in good faith, they are provided on the strict understanding that neither the Council or any officer, servant or agent of the Council is legally responsible in contract or in tort, for any inaccuracies, errors or omissions arising from any cause whatsoever. In particular, it must be understood that the question of whether land is or is not “contaminated land” within the meaning of Part IIA of the Environmental Protection Act 1990 is a complex question requiring formal determination by the Council. Accordingly, the information or answers provided do not constitute any determination by the Council as to the status of the land concerned, nor any assurance or representation as to the possible or likely outcome of any such determination.

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Biffa Waste Services Limited
Colnbrook Landfill Site
Sutton Lane
Slough
Berkshire
SL3 8AB

Variation application number

EPR/BU7901IP/V005

Permit number

EPR/BU7901IP

Colnbrook Landfill Site

Permit number EPR/BU7901IP

Introductory note

This introductory note does not form a part of the notice.

The following gives notice of the variation and consolidation of this environmental permit. We have issued this variation to consolidate the original permit and subsequent variations and to update some of the conditions following a statutory review of permits in the landfill sector. We have also converted the permit into the current EPR permit format using modern conditions.

The Environment Agency has a duty, under the Environmental Permitting (England and Wales) Regulations 2010, regulation 34(1), to periodically review permits. As a result of that review we have identified a number of necessary changes we must make to your permit to reflect current legislation and best practice. These changes principally relate to:

- The addition of a standard condition for landfill gas management at all landfills ;
- A change to the hydrogeological risk assessment condition so that reviews are undertaken every 6 years rather than every 4 years;
- Standard leachate and groundwater quality monitoring tables (schedule 3); and
- A standard reporting table (schedule 4).

Schedule 1 to this notice summarises the changes we have made to this permit.

Status log of the permit		
Description	Date	Comments
Application EPR/BU7901 (reference EPR/BU7901IP/A001)	Received 06/06/2003	
Response to request for information	Emails dated 15/09/2003 and 30/09/2003, following meeting on 16/10/2003 and a letter dated 17/10/2003	Responses received 11/11/2003 and 12/11/2003.
Response to request for information regarding technical information letter	02/12/2003	Response received 23/12/2003 and Revised Gas Risk Assessment V2.1 dated 12/12/2003.
Permit EPR/BU7901 granted	05/02/2004	
Variation KP3334LR (reference EPRBU7901IP/V002)		
Planning Inspector's decision	Response dated 02/02/2006	
Variation KP3334LR (reference EPRBU7901IP/V002) determined	12/10/2006	
Variation application GP3235SJ (reference EPR/BU7901IP/V003)	Received 01/06/2005	
Response to request for further information by email	01/07/2005	Email received 21/07/2005

Status log of the permit		
Description	Date	Comments
Response to request for further information	22/07/2005	Letter dated 18/08/2005 and Risk Assessment.
Variation GP3235SJ (reference EPR/BU7901IP/V003) determined	23/11/2006	
Variation application EPRBU7901IP/V004 (billing reference DP3639UZ)	Determined 05/02/2009	
Environment Agency Landfill Sector Review 2013 / 2014 Permit reviewed Variation determined EPR/BU7901IP/V005 Permit EPR/BU7901IP Billing Ref: PP3130RA	14/01/2016	Varied and consolidated permit issued in modern condition format. Activity extended to include limited recirculation of leachate within waste.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/BU7901IP

Issued to

Biffa Waste Services Limited (“the operator”)

whose registered office is

**Coronation Road
Cressex
High Wycombe
Buckinghamshire
HP12 3TZ**

company registration number **946107**

to operate a regulated facility at

**Colnbrook Landfill Site
Sutton Lane
Slough
Berkshire
SL3 8AB**

to the extent set out in the schedules.

The notice shall take effect from 14/01/2016

Name	Date
Anne Nightingale	14/01/2016

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation. The following table summarises the latest changes to the landfill permit template, however your permit may contain more changes than this where your permit has not been varied to recent template conditions.

Condition	Description of change
1.6	Generic condition to reflect the requirements of the Waste Framework Directive.
2.6.1(a)	Added reference to a specific table to clarify what wastes are permitted by which permitted activity.
2.6.3	Added to separately identify the waste types and quantities that can be accepted for restoration.
2.9	Revised gas management condition imposed for all landfills.
3.1.1	Generic condition imposed on all activities to simplify sub-conditions
3.1.5 to 3.1.6	Revised conditions to reflect the terminology used by the Groundwater Directive for 'hazardous substances' and to require hydrogeological risk assessment reviews are submitted every 6 years rather than every 4 years.
	Sub-condition that referred to emission of 'non-hazardous pollutants' deleted. Such emissions are regulated by condition 3.2.
	Two sub-conditions that referred to limits in specific tables in schedule 3 deleted as they are now covered by 3.1.1.
3.6	Revised generic pests condition imposed on all activities.
4.2.2	Amended to ensure that information on 'annual production/ treatment' (Schedule 4, Table S4.2) is provided in February each year where annual reports may be submitted at other times of the year.
4.2.2(a)	Text expanded to clarify the details we require in an annual report.
4.2.2(h)	New condition requiring annual submission of a plan of monitoring and extraction locations with reference to monitoring tables in schedule 3
4.3.1	Generic notifications condition added.
Schedules	
Table S1.1	Amended description of the landfill activity to clarify that this includes restoration. Activity references amended to reflect changes introduced by Industrial Emissions Directive (2010/75/EU).
	Leachate storage moved from a specified activity to Directly Associated Activities.
Table S1.4	Amended to clarify that restoration is a separate part of the activity unrelated to landfill cover.
Schedule 2	Standard list of wastes added.
Schedule 3	Monitoring and compliance tables have been re-ordered so that those with compliance limits appear first. Standard monitoring frequency and parameters have been included for certain routine monitoring requirements
Table S4.1	Amended to only require regular reports of information that relate to compliance limits.
Table S4.2	Additional details of landfill gas extracted required to improve climate change data quality.
Table S4.3	Amended to include natural gas as an energy source for consistency with other sectors.
Schedule 6	Definitions added to clarify meaning of:

Condition	Description of change
	Inert waste Exceeded Hazardous substance Medicinal product Previous year Waste acceptance criteria Waste acceptance procedure

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/BU7901IP

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BU7901IP/V005 authorising,

Biffa Waste Services Limited (“the operator”),

whose registered office is

Coronation Road

Cressex

High Wycombe

Buckinghamshire

HP12 3TZ

company registration number

946107

to operate an installation at

Colnbrook Landfill Site

Sutton Lane

Slough

Berkshire

SL3 8AB

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Anne Nightingale	14/01/2016

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Finance

- 1.2.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Environment Agency dated 5 February 2004 (as may be varied by a Deed of Variation from time to time) shall be maintained by the operator throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by the Environment Agency.
- 1.2.2 The operator shall ensure that the charges it makes for the disposal of waste in the landfill cover all of the following:
- (a) the costs of setting up and operating the landfill;
 - (b) the costs of the financial provision required by condition 1.2.1; and
 - (c) the estimated costs for the closure and aftercare of the landfill.

1.3 Energy efficiency

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) Review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) Implement any appropriate measures identified by a review.

1.4 Multiple operator installations

- 1.4.1 Where the operator notifies the Environment Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operator(s) of the installation of the same information.

1.5 Efficient use of raw materials

1.5.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.6 Avoidance, recovery and disposal of wastes produced by the activities

1.6.1 The operator shall:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every four years whether changes to those measures should be made; and
- (c) take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

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

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan at schedule 7 to this permit.

2.3 Operating techniques

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

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.4 Improvement programme

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

2.5 Landfill Engineering

- 2.5.1 No construction of any new cell of the landfill shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.
- 2.5.2 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.
- 2.5.3 The construction of a new cell shall take place only in accordance with the approved construction proposals unless:
- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
 - (b) a change has otherwise been agreed in writing by the Environment Agency.
- 2.5.4 No disposal of waste shall take place in a new cell until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.
- 2.5.5 No construction of landfill infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.
- 2.5.6 The construction of the landfill infrastructure shall take place only in accordance with the approved construction proposals unless:
- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
 - (b) a change has otherwise been agreed in writing by the Environment Agency.
- 2.5.7 The operator shall submit a CQA Validation Report as soon as practicable following the construction of the relevant landfill infrastructure.
- 2.5.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.5.5 and 2.5.6 do not apply and the relevant landfill infrastructure may be constructed, provided that the construction proposals are submitted to the Environment Agency as soon as practicable.
- 2.5.9 For the purposes of conditions 2.5.1, 2.5.2, 2.5.4 and 2.5.5, 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 relevant construction proposals or CQA Validation Report, either:
- (a) confirmed whether or not it is satisfied; or
 - (b) informed the operator that it requires further information.
- 2.5.10 Where the Environment Agency has required further information under condition 2.5.9(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.

2.6 Waste acceptance

2.6.1 Wastes shall only be accepted for disposal if:

- (a) they are listed in schedule 2, table S2.1 (S2.2, S2.3) and
- (b) they are non- hazardous waste and
- (c) they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm), and
- (d) they are not shredded used tyres, and
- (e) they are not liquid waste (including waste waters but excluding sludge), and
- (f) they are not chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown, and
- (g) all the relevant waste acceptance procedures have been completed, and
- (h) they fulfil the relevant waste acceptance criteria, and
- (i) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria, and
- (j) 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,, and
- (k) they are wastes with a code beginning with 07 05 and 16 03, they shall exclude waste medicinal products and pharmaceutically active waste materials arising from their manufacture.

2.6.2 For the following activities referenced in schedule 1, table S1.1 (A3) waste shall only be accepted for treatment if:

- (a) it is of a type and quantity listed in schedule 2, table S2.2 ; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.6.3 Wastes shall only be accepted for restoration where:

- (a) they are listed in schedule 2, table S2.3 and
- (b) they are accepted in accordance with a restoration plan approved in writing by the Environment Agency.

2.6.4 For the following activities referenced in schedule 1, table S1.1 (A1 to A4 etc.) The operator shall:

- (a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and
- (b) be satisfied that the waste conforms to the requirements of condition 2.6.1.

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

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

2.6.7 The total quantity of waste that shall be deposited or recovered in the landfill shall be limited by the pre-settlement levels shown on a drawing submitted to and approved by the Environment Agency in accordance with Improvement Condition 9, Table S1.3.

2.6.8 The quantity of waste that is deposited or recovered in the landfill in any year shall not exceed the limits in schedule 1 table S1.4.

2.6.9 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.

2.7 Leachate levels

2.7.1 The limits for the level of leachate listed in schedule 3 table S3.1 shall not be exceeded.

2.8 Closure and aftercare

2.8.1 The operator shall maintain a closure and aftercare management plan.

2.9 Landfill gas management

2.9.1 The operator shall take appropriate measures, including, but not limited to, those specified in any approved landfill gas management plan, to:

- (a) collect landfill gas; and
- (b) control the migration of landfill gas.

2.9.2 The operator shall use the collected landfill gas to produce energy. If the collected landfill gas cannot be used to produce energy, the operator shall use appropriate measures to flare or treat the gas in accordance with an approved landfill gas management plan.

2.9.3 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a revised landfill gas management plan;
- (b) implement the revised landfill gas management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 The limits in Schedule 3 shall not be exceeded.

3.1.2 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.2, S3.3 and S3.6.

3.1.3 The limits given in Table S3.2 shall not be exceeded, save that compliance with an emission limit in that table shall include incorporation of the uncertainty allowance stated in Environment Agency guidance LFTGN 05 and LFTGN 08.

3.1.4 For the follow where a substance is specified in schedule 3, Table S3.6 but no limit is set for it, the concentration of such substance in any emission from the relevant emission point shall be no greater than the background concentration.

3.1.5 The operator shall prevent the input of any hazardous substances from the activities into groundwater.

3.1.6 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:

- (a) between nine and six months prior to the sixth anniversary of the granting of the permit, and

(b) between nine and six months prior to every subsequent six years after the sixth anniversary of the granting of the permit.

3.1.7 For the following activities referenced in schedule 1, table S1.1 (A2 and A3), Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

3.3.1 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 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration 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 noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring and any other actions specified in the following tables in schedule 3 to this permit:
- (a) Leachate specified in tables S3.1 and S3.11;
 - (b) Point source emissions specified in tables S3.2, S3.3 and S3.6;
 - (c) Groundwater specified in tables S3.4 and S3.9;
 - (d) Landfill gas specified in tables S3.5, S3.8 and S3.10;
 - (e) Surface water specified in table S3.12;
 - (f) Particulate matter specified in table S3.7; and
 - (g) Treated contaminated soils in table 3.13.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:
- (a) annually, and
 - (b) prior to the disposal of waste in any new cell or new development area of the landfill, and
 - (c) following closure of the landfill or part of the landfill.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. 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.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) the results of groundwater monitoring;
 - (ii) sub-surface landfill gas monitoring;

- (iii) leachate levels, quality and quantities;
- (iv) landfill gas generation and collection;
- (v) waste types and quantities;
- (vi) the specification and as built drawings of the basal, sidewall and capping engineering systems.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency, with the exception of 4.2.2(c) that must be provided by the end of February each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;
- (b) the energy consumed at the site, reported in the format set out in schedule 4 table S4.3
- (c) the annual production/treatment set out in schedule 4 table S4.2;
- (d) the topographical surveys required by condition 3.5.3 other than those submitted as part of a CQA validation report;
- (e) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;
- (f) an assessment of the settlement behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;
- (g) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey;
- (h) a plan(s) ('the monitoring and extraction point plan – MEPP') showing the locations of leachate and landfill gas extraction and all monitoring points.

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

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) using the forms specified in schedule 4 table S4.4 or other reporting format as agreed in writing with the Environment Agency; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

- 4.2.5 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
- (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) in the event of a breach of any permit condition the operator must immediately—
- (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.4 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “immediately”, in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities				
Activity reference	WFD Annex I and II operations (where applicable)	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	D5 – Specially engineered landfill; R5 – the recycling or reclamation of inorganic material and; R10 – Land treatment resulting in benefit to agriculture or ecology	Section 5.2 Part A(1) (a) , The disposal of waste in a landfill.	Landfill for non-hazardous waste and landfill restoration	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.6, as an integral part of landfilling.
A2	D8 – Biological treatment of waste	Section 5.3A(1)a Disposal of waste other than by incineration or landfill	Treatment of landfill and soil treatment leachate	From landfill leachate management system and soil treatment facility to point of entry to sewer.
A3	R 3 – Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Section 5.3A(1)a Disposal of waste other than by incineration or landfill	Biological treatment of contaminated soils	Treatment of contaminated soils, consisting of the types and quantities specified in condition 2.7.
Directly Associated Activities				
A4	R1 – use principally as a fuel to generate energy		Pre-treatment and utilisation of landfill gas for energy recovery in an appliance with a rated thermal input ≥ 3 MW but < 50 MW	Treatment and utilisation of landfill gas arising from the landfill.
A5	N/A		Flaring of landfill gas for disposal in an appliance.	Landfill gas arising from the landfill.

Table S1.1 activities				
Activity reference	WFD Annex I and II operations (where applicable)	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A6	D6 – release to water body except seas/ oceans		Discharges of site drainage from the landfill.	From surface water management system to point of entry to controlled waters.
A7	N/A		Temporary storage of waste (leachate), tankering off site and recirculation of leachate	Leachate arising from the landfill Recirculation of leachate is only to be undertaken when the site is compliant with the limits stated in Table S3.1 of this Permit.
A8	N/A		Storage of fuel for operation of plant and equipment	Fuel storage tank

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 1.2, 2.1, 2.2, 2.3, 2.4 and 2.5 in Part B of the Application Form	06/06/2003
Variation Application Documentation	The response to questions C2.1, C2.2, C2.3, C2.4, C2.5 and C2.11 in the supporting documentation of the Application	01/06/2005
Response to letter dated 22/07/2006 and Risk Assessment (No. 4B-0034-00147-01) dated August 2005	All sections of letter dated 18/08/2006 and all sections of Risk Assessment dated August 2005	18/08/2006
Colnbrook Landfill Site Noise and Vibration Management Plan 2007	All	May 2007
Biffa Waste Services Landfill Gas Management Plan Edition VI July 2014 (Final Version)	All	July 2014
Colnbrook Landfill Site Odour Management Plan (reviewed 13/03/2009)	All	13/03/2009

Table S1.2 Operating techniques		
Description	Parts	Date Received
Colnbrook Landfill Site Bird Management Plan (version 3) BMP after consultation with Environment Agency 17/03/2010	All	17/03/2010
Letter from Andy White on 28/05/2013 – removal of two perimeter gas monitoring wells	All	28/05/2013

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
5a	<p>The Operator shall carry out an investigation into the methane levels in perimeter gas monitoring boreholes PG34a (91301334), PG36r (91301336), PG37r (91301337), PG38r (91301338) and G39r (91301339) and Carbon Dioxide in boreholes PG02 (91301102) and PG35r (91301335). The objective shall be to determine the underlying cause of these elevated levels by identifying and establishing the true source(s) of such gases and their potential migration pathways, this shall include but not be limited to:</p> <ul style="list-style-type: none"> • A review of the historical site information to identify if the perimeter gas monitoring boreholes are being influenced by other gas sources other than landfill gas, • A review of the conceptual model to identify any features that could affect gas migration including an assessment of barriers, pathways and construction of the monitoring boreholes; and • A review of historical monitoring data that establish/determine predictive trends for gas concentrations within these monitoring boreholes, source identification shall be justified by appropriate trace gas analysis techniques. 	Within 3 months of the issue of this Permit Variation
5b	<p>On completion the Operator shall submit a report to the Agency detailing the outcome of the investigation including recommendations with a realistic timetable for implementation and further review. The Operator shall derive appropriate compliance, assessment levels and monitoring frequency for the above monitoring boreholes for agreement. These levels shall be based upon the outcome of the investigation and cross-referenced to measurements recorded since these monitoring boreholes were installed.</p> <p>The potential for a combination of background and landfill derived gases to migrate and result in an adverse environmental impact upon identified receptors adjacent to the installation boundary shall also be assessed and reviewed.</p>	Within 3 months of the issue of this Permit Variation

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
8	The Operator shall submit to the Environment Agency in writing for approval a restoration plan for the site which includes waste quantities, waste types and waste acceptance criteria for wastes for restoration.	Within 3 months of issue of this Permit Variation
9	The Operator shall submit a drawing showing the pre-settlement levels at the site.	Within 3 months of issue of this Permit Variation
10	<p>Review your risk assessments to identify the risk elevated leachate levels pose to:</p> <ul style="list-style-type: none"> • Groundwater; • Landfill infrastructure (including; liners, slope stability, monitoring and extraction); and • Overtopping the site perimeter. <p>Develop or revise your action plan or leachate management plan (LMP) to describe what action you will take to minimise the impact of elevated leachate levels.</p> <p>Your LMP must propose target leachate levels and a date by which you will achieve those target levels ('milestones').</p>	Within 3 months of issue of this Permit Variation

Table S1.4 Annual waste input limits	
Category	Limit Tonnes/ Year
Non-hazardous waste	300,000
Hazardous waste for treatment at the Soil Treatment Facility	35,000
Wastes for Restoration purposes	As agreed in writing subject to approval by the Environment Agency and in accordance with Improvement Condition 8, Table S1.3

Schedule 2 – List of permitted wastes

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	wastes from physical and chemical processing of metalliferous minerals
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 10
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 10	dusty and powdery wastes other than those mentioned in 01 04 07
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
01 05	drilling muds and other drilling wastes
01 05 04	freshwater drilling muds and wastes
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 06 03	sludges from on-site effluent treatment
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 02	green liquor sludge (from recovery of cooking liquor)
03 03 05	de-inking sludges from paper recycling
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
03 03 09	lime mud waste
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	Wastes from the leather, fur and textile industries
04 01	wastes from the leather and fur industry
04 01 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	wastes from the textile industry
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (for example grease, wax)
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
05 01	wastes from petroleum refining
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 06	wastes from the pyrolytic treatment of coal
05 06 04	waste from cooling columns
08	Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks
08 01	wastes from MFSU and removal of paint and varnish
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 02	wastes from MFSU of other coatings (including ceramic materials)
08 02 01	waste coating powders
08 03	wastes from MFSU of printing inks
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 18	waste printing toner other than those mentioned in 08 03 17

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
08 04	wastes from MFSU of adhesives and sealants (including water proofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
10	Wastes from thermal processes
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
10 02	wastes from the iron and steel industry
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	wastes from aluminium thermal metallurgy
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 05	wastes from zinc thermal metallurgy
10 05 01	slags from primary and secondary production
10 05 04	other particulates and dust
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 04	other particulates and dust
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	wastes from other non-ferrous thermal metallurgy
10 08 04	particulates and dust
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 14	waste binders other than those mentioned in 10 09 13

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	wastes from manufacture of glass and glass products
10 11 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
11	Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	wastes from hot galvanising processes
11 05 02	zinc ash
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 02	ferrous metal dust and particles
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
15	Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 19	plastic
16 01 20	glass
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
16 03 06	organic wastes other than those mentioned in 16 03 05
16 08	spent catalysts
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 11	waste linings and refractories
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 03	plastic
17 04	metals (including their alloys)
17 04 11	cables other than those mentioned in 17 04 10
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 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
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	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 01	wastes from incineration or pyrolysis of waste
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 03	stabilised/solidified wastes

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 04	vitrified waste and wastes from vitrification
19 04 01	vitrified waste
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 06	wastes from anaerobic treatment of waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 10	wastes from shredding of metal-containing wastes
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 04	plastic and rubber
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	Description
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning
20 03 07	bulky waste

Table S2.2 Permitted waste types for biopile soil treatment	
Limited to 35,000 tonnes of hazardous waste per year at the soil treatment facility.	
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying and physical and chemical treatment of minerals
01 05	drilling muds and other drilling wastes
01 05 05 *	oil-containing drilling muds and wastes
01 05 06 *	drilling muds and other drilling wastes containing hazardous substances
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
05 01	Wastes from petroleum refining
05 01 03 *	tank bottom sludges
05 01 05 *	oil spills
05 01 06 *	oily sludges from maintenance operations of the plant or equipment

Table S2.2 Permitted waste types for biopile soil treatment	
Limited to 35,000 tonnes of hazardous waste per year at the soil treatment facility.	
Waste code	Description
05 01 09 *	sludges from on-site effluent treatment containing hazardous substances
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03 *	soil and stones containing hazardous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05 *	dredging spoil containing hazardous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07 *	track ballast containing hazardous substances
17 05 08	track ballast other than those mentioned in 17 05 07
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 03	stabilised / solidified wastes
19 03 04 *	wastes marked as hazardous, partly stabilised other than 19 03 08
19 13	wastes from soil and groundwater remediation
19 13 01 *	solid wastes from soil remediation containing hazardous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03 *	sludges from soil remediation containing hazardous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03

Table S2.3 Permitted waste types for restoration	
Waste code	Description
To be agreed with the Agency as per Table S1.3, Improvement Condition 8	

Schedule 3 – Emissions and monitoring

Monitoring point reference/Description	Limit	Monitoring frequency	Monitoring method
Leachate compliance points C1 (91303010), C1-G (91303012), C1-H (91303011), C2 (91303020), C2-A (91303021), C3 (91303030), C3-C (91303031), C3-D (91303032), C4 (91303040), C4-E (91303041), C4-F (91303042), C5 (91303050), C5-I (91303051), C5-J (91303052), C6r (91303063), C6-K (91303061), C6-L (91303062), C7r (91303073), C7-M (91303071), C7-N (91303072), C8r (91303083), C8-O (91303081), C8-P (91303082), C9r (91303093), C9-Q (91303091), C9-R (91303092), C10r (91303103), C10-S (91303101), C10-T (91303102), C11r (91303113), C11-U (91303111), C11-V (91303112), C12 (91303120), C12-A (91303121), C12-B (91303122), C13 sump (91303130), C13 (91303131), C13 (91303132), C16 (91303160), C16-W (91303161), C16-X (91303162), C18 (91303180), C18-Y (91303181) and C18-Z (91303182) as shown on monitoring plan drawing CA180801 revision 1 dated 15/10/20.	At no time, shall the leachate level in cells 1 and 2 be permitted to exceed 4 metres above the base of the cell and in all other cells leachate levels must not exceed 16mAOD as determined at any leachate abstraction point in that cell.	Monthly	In accordance with Environment Agency document LFTGN02 (June 2014) 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water' or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.2 Point source emissions to air – emission limits and monitoring requirements						
Emission point Ref. & Location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
A1 – Flare Stack (permanent)	Oxides of Nitrogen	Landfill Gas Flares	150 mg/m ³	Hourly mean	Annually	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency. Monitoring is unnecessary where the flare is active for <10% of the year.
	CO		50 mg/m ³			
	Total VOCs		10 mg/m ³			
A2 Engines number 1 and 2 as shown on Engine and flare compound plan 12/03	Oxides of Nitrogen	Gas Utilisation Plant	650 mg/m ³	Hourly mean	Annually	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency
	CO		1500 mg/m ³			
	Total VOCs		1750 mg/m ³			
Biofilter	Total VOCs	Contaminated soil treatment facility	75 mg/m ³	-	Monthly	As agreed with the Environment Agency
	Benzene		5 mg/m ³			

Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements

Emission point Ref. & Location	Parameter	Source	Limit (incl unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
NWR0408 as shown on drawing CA231200 DATED 29/ 03/05. Receiving water – unnamed tributary of Horton Brook	Suspended Solids	Intercepted Surface Water	60 mg/l	Spot Sample	Monthly	Monitoring to be carried out in accordance with Environment Agency Guidance Document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency.
	Ammoniacal Nitrogen		2 mg/l			
	Chloride		150 mg/l			
	Iron		5 mg/l			
	pH		Min 5 ph units; and Max 9 pH units			
STF1 on Plan ref Drawing A4(040805) dated 04/08/2005. Surface water drainage collection system	Ammoniacal Nitrogen	Process water tanks in the soil treatment facility	2 mg/l	Spot Sample	Monthly	Monitoring to be carried out in accordance with Environment Agency Guidance Document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency.
	Chloride		150 mg/l			
	Iron		5 mg/l			
	Suspended Solids		60 mg/l			
	Pentachloro-phenol (PCP)		0.002 mg/l			
	Total Petroleum Hydrocarbons (TPH)		0.1 mg/l			

Table S3.4 Groundwater – emission limits and monitoring requirements

Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W02 (91302002), W02a (91302102), W03 (91302003), W03b (91302103), W04 (91302004), W05a (91302105), and W06 (91302006) (as shown on monitoring plan drawing CA180202 revision 2 dated 22/06/2007.)	Ammoniacal Nitrogen	0.5 mg/l	Spot Sample	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Chloride	150 mg/l			
	Cadmium	0.001 mg/l			
	Benzene	0.001 mg/l			
	Toluene	0.004 mg/l			
	Chromium	0.005 mg/l			
	Mecoprop	0.0001 mg/l			
W04a (91302104) (as shown on monitoring plan drawing CA180202 revision 2 dated 22/06/2007.)	Ammoniacal Nitrogen	0.7 mg/l	Spot Sample	Quarterly	
	Chloride	150 mg/l			
	Cadmium	0.005 mg/l			
	Benzene	0.001 mg/l			
	Toluene	0.004 mg/l			
	Chromium	0.005mg/l			
	Mecoprop	0.0001 mg/l			
W05 (91302005) (as shown on monitoring plan drawing CA180202 revision 2 dated 22/06/2007.)	Ammoniacal Nitrogen	1.2 mg/l	Spot Sample	Quarterly	
	Chloride	200 mg/l			
	Cadmium	0.001mg/l			
	Benzene	0.001 mg/l			
	Toluene	0.004 mg/l			

Table S3.4 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
	Chromium	0.005mg/l			As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Mecoprop	0.0001 mg/l			
W05b (91302205) (as shown on monitoring plan drawing CA180202 revision 2 dated 22/06/2007.)	Ammoniacal Nitrogen	0.5 mg/l	Spot Sample	Quarterly	
	Chloride	175 mg/l			
	Cadmium	0.001 mg/l			
	Benzene	0.001 mg/l			
	Toluene	0.004 mg/l			
	Chromium	0.005mg/l			
	Mecoprop	0.0001 mg/l			

Table S3.5 Landfill gas in external monitoring boreholes – limits and monitoring requirements

Monitoring point Ref. /description	Parameter	Limit (including units)	Monitoring frequency	Monitoring standard or method
PG01 (91301101), PG02 (91301102), PG03 (91301103), PG04 (91301104), PG05 (91301105), PG06 (91301106), PG07 (91301107), PG07a (91301307), PG07b (91301407), PG07c (91301507), PG09 (91301109), PG10 (91301110), PG10a (91301310), PG13 (91301113), PG14 (91301114), PG15a (91301315), PG15b (91301415), PG16 (91301116), PG16a (91301316), PG17 (91301117), PG18 (91301118), PG19 (91301119), PG20 (91301120), PG21 (91301121), PG22 (91301122), PG23 (91301123), PG24r (91301324), PG25 (91301125), PG26 (91301126), PG28r (91301328), PG29 (91301129), PG29a (91301329), PG30 (91301130), PG31 (91301131), PG32r (91301332), PG33 (91301133), PG35r (91301335) and PG40r (91301340).	Methane	1 %v/v	Monthly	As per LFTGN03 (June 2014) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: waterlogged frozen snow covered
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		
PG01 (91301101)	Carbon Dioxide	7.1 % v/v		
PG03 (91301103)	Carbon Dioxide	13.5 % v/v		
PG04 (91301104)	Carbon Dioxide	4.9 % v/v		
PG05 (91301105)	Carbon Dioxide	7.5 % v/v		
PG06 (91301106)	Carbon Dioxide	4.1 % v/v		

Table S3.5 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	Parameter	Limit (including units)	Monitoring frequency	Monitoring standard or method
PG07 (91301107)	Carbon Dioxide	2.8 % v/v		<p>As per LFTGN03 (June 2014) or such other subsequent guidance as may be agreed in writing with the Environment Agency.</p> <p>Record whether the ground is: waterlogged frozen snow covered</p>
PG07a (91301307)	Carbon Dioxide	5.7 % v/v		
PG07b (91301407)	Carbon Dioxide	8.3 % v/v		
PG07c (91301507)	Carbon Dioxide	7.4% v/v		
PG09 (91301109)	Carbon Dioxide	2.6% v/v		
PG10 (91301110)	Carbon Dioxide	4.8 % v/v		
PG10a (91301310)	Carbon Dioxide	3.0 % v/v		
PG13 (91301113)	Carbon Dioxide	2.4% v/v		
PG14 (91301114)	Carbon Dioxide	1.8 % v/v		
PG15a (91301315)	Carbon Dioxide	3.2 % v/v		
PG15b (91301415)	Carbon Dioxide	1.1 % v/v		
PG16 (91301116)	Carbon Dioxide	2.8 % v/v		
PG16a (91301316)	Carbon Dioxide	3.8 % v/v		
PG17 (91301117)	Carbon Dioxide	2.9 % v/v		
PG18 (91301118)	Carbon Dioxide	4.0 % v/v		
PG19 (91301119)	Carbon Dioxide	3.8 % v/v		
PG20 (91301120)	Carbon Dioxide	3.0 % v/v		
PG21 (91301121)	Carbon Dioxide	3.7 % v/v		
PG22 (91301122)	Carbon Dioxide	3.6 % v/v		
PG23 (91301123)	Carbon Dioxide	3.4 % v/v		
PG24r (91301324)	Carbon Dioxide	6.4 % v/v		
PG25 (91301125)	Carbon Dioxide	4.7 % v/v		

Table S3.5 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	Parameter	Limit (including units)	Monitoring frequency	Monitoring standard or method
PG26 (91301126)	Carbon Dioxide	3.1 % v/v		As per LFTGN03 (June 2014) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: waterlogged frozen snow covered
PG28r (91301328)	Carbon Dioxide	5.6 % v/v		
PG29 (91301129)	Carbon Dioxide	2.4 % v/v		
PG29a (91301329)	Carbon Dioxide	7.8 % v/v		
PG30 (91301130)	Carbon Dioxide	3.8 % v/v		
PG31 (91301131)	Carbon Dioxide	5.4 % v/v		
PG32r (91301332)	Carbon Dioxide	4.4 % v/v		
PG33 (91301133)	Carbon Dioxide	5.5 % v/v		
PG40r (91301340)	Carbon Dioxide	4.5 % v/v		
PG02 (91301102), PG34a (91301334), PG35r (91301335), PG36r (91301336), PG37r (91301337), PG38r (91301338) and G39r (91301339).	Carbon Dioxide	Determined in accordance with improvement programme in Schedule 1, Table S1.3 – Improvement Condition 5		

Table S3.6 Point source emissions to sewer, effluent treatment plant or by tankering or other transfer off-site – emission limits and monitoring requirements

Emission point Ref. & Location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
S1 (91306001). At existing point of entry to sewer on Sutton Lane.	Settleable Solids	Leachate effluent treatment plant	None set	Spot sample	Quarterly	Monitoring to be carried out in accordance with Environment Agency Guidance Document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency.
	COD					
	Saponifiable oil or grease					
	Unsaponifiable oil or grease					
	Sulphide					
	Cyanide					
	Ammoniacal Nitrogen					
	Sulphate					
	Available Chlorine					
	Rapidly Settleable Solids					
	Phosphate					
	Chromium					
	Copper					
	Lead					
	Nickel					
	Silver					
	Zinc					
Phenol						
Dissolved Methane						
pH						
Temperature						

Table S3.7 Particulate matter in ambient air - monitoring requirements					
Monitoring Point Ref. /Description	Parameter	Limit	Reference Period	Monitoring Frequency	Monitoring Standard or Method
D1, D2, D3, D5, D5, D6, D7 and D8	Dust	-	-	Twice per year	In accordance with Agency Guidance 'M17 - Monitoring of Particulate Matter in ambient air around waste facilities), or any subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.8 Landfill gas emissions from capped surfaces for cells that have accepted non hazardous biodegradable waste – monitoring requirements			
Monitoring point Ref. /description	Parameter	Monitoring frequency	Monitoring Standard or method
Permanently capped zone	Methane concentration	Every 12 months	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Temporarily capped zone	Methane concentration	Every 12 months	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Whole site	Total methane emission	As agreed with the Environment Agency	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Uncapped areas	Methane concentration	Every 12 months	As agreed with the Environment Agency based on the wording of revised LFTGN 07 or landfill sector guidance or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.9 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method
Up gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011), or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances	Annually for first six years of operation	
Down or cross gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011), or such other subsequent guidance as may be agreed in writing with the Environment Agency. After the initial 6 year monitoring period for hazardous substances, if the results of quarterly or annual monitoring suggest an increase in contamination, the operator shall also undertake a full leachate hazardous substances screen.
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances detected in leachate	Annually for first six years of operation then every two years	
MEPP	Base of monitoring point (mAoD)	Annually	

Table S3.10 Landfill gas – other monitoring requirements

Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
In waste gas monitoring boreholes or sealed leachate wells or sacrificial gas extraction system	Methane Carbon Dioxide Oxygen Carbon Monoxide Differential pressure Atmospheric pressure	Monthly until gas extraction commences	Calibrated handheld monitoring instrument	<p>For cells or phases which have no active gas extraction.</p> <p>Gas extraction system shall be installed and extraction commenced once monitoring shows onset of methane production in waste at a rate that can be sustainably extracted.</p> <p>Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring.</p>
	Hydrogen sulphide	Quarterly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (v3 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	<p>For cells or phases which have no active gas extraction.</p> <p>Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring.</p> <p>Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans</p>

Table S3.10 Landfill gas – other monitoring requirements

Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Gas collection system at well control valve, manifolds (if applicable) and strategic points on gas system	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Gas flow rate or suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Fortnightly	Calibrated handheld monitoring instrument	Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken. Where the concentration of carbon monoxide exceeds 100ppm then further investigation shall be undertake Record the ambient air temperature and whether the ground is: waterlogged frozen snow covered
Gas collection system at well control valve	Hydrogen sulphide	Six monthly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (v3 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans

Table S3.10 Landfill gas – other monitoring requirements

Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Output to flare or LFG Utilisation Compound	Trace gas	Annually	Trace gas analysis in accordance with LFTGN04 (v3 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency [or a trace gas characterisation method agreed with the Environment Agency].	The concentration of trace gas components shall be assessed against the assumptions made in the Landfill gas risk assessment and dispersion modelling.
Output to flare or LFG Utilisation Compound	Methane Carbon Dioxide Oxygen Gas flow rate Suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Weekly		Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken.
A1 – Flare stack (permanent)	Temperature	Weekly	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency.	
Gas engine A1, A2, post turbo	NOx and CO	Quarterly	In accordance with Appendix C of LFTGN08, (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	Where monitoring using hand-held, electrochemical equipment indicates an exceedance of the emissions standards specified in Table S3.2, these shall be used as action levels and the operator shall investigate the cause and take appropriate measures to reduce emissions.

Table S3.10 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Biofilter	Total Petroleum Hydrocarbons (TPH) Toluene Ethyl Benzene Xylene Polycyclic Aromatic Hydrocarbons (PAH)	Monthly	As agreed in writing with the Environment Agency.	

Table S3.11 Leachate – other monitoring requirements				
Monitoring point reference or description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Operational Cells or Phases (Any cell or phases that do not have a final engineered cap agreed in accordance with condition 2.5)			At leachate compliance point as listed in table S3.1. As specified in Environment Agency Guidance TGN02 (February 2003) and Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) with one sampling point per cell / phase or such other subsequent guidance as may be agreed in writing with the Environment Agency.	None
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese	Quarterly		
MEPP	Hazardous substances	Annually		
MEPP	Depth to base (mAoD)	Annually		
Non Operational Cells or Phases (Any cell or phases that have a final engineered cap agreed in accordance with condition 2.5)				
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese	Annually		
MEPP	Hazardous substances	Once every four years		
MEPP	Depth to base (mAoD)	Annually	None	

Table S3.12 Surface water – other monitoring requirements

Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
MEPP	Ammoniacal nitrogen Chloride Suspended Solids Visual Oil and Grease pH electrical conductivity	Monthly	Spot Sample	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003) and Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, (Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.13 Other monitoring requirements – Contaminated Soil from Soil Treatment

Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Soil biopiles as shown on Drawing No. A4 CA232101 dated 04.08.2005.	Total Petroleum Hydrocarbons (TPH) Polycyclic Aromatic Hydrocarbons (PAHs) Pentachlorophenol (PCP) ^{Note 1} Total Volatile Organic Compounds (VOCs) and pH	Each completed batch of treated soil shall be sampled.	To be agreed with the Environment Agency	Laboratory must be accredited to MCERTs the analysis specified Samples to be obtained using standard sampling procedures as per BS 812

Note 1 Only if PCP contaminated soils are received for treatment

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data		
Parameter	Reporting period	Period ends
Leachate level As specified by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Point source emission to air As specified by schedule 3, table S3.2	Every 12 months	31 December
Point source emission to water (other than sewer) As specified by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Emission to groundwater As specified by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December
Landfill gas in external monitoring boreholes As specified by schedule 3, table S3.5	Every 3 months	31 March, 30 June, 30 September, 31 December
Point source emission to sewer, effluent treatment plant, tankering or other off site transfer As specified by schedule 3, table S3.6	Every 3 months	31 March, 30 June, 30 September, 31 December
Particulate matter in ambient air. As required by schedule 3, table S3.7	Every 6 months	30 June, 31 December
Emission of landfill gas from capped surfaces As specified by schedule 3, table S3.8	Every 12 months	31 December
Other groundwater monitoring As specified by schedule 3, table S3.9	Every 3 months	31 March, 30 June, 30 September, 31 December
Other Landfill gas monitoring As specified by schedule 3, table S3.10	Every 3 months	31 March, 30 June, 30 September, 31 December
Trace gas monitoring	Every 12 months	31 December
Other leachate monitoring As specified by schedule 3, table S3.11	Every 12 months	31 December

Table S4.1 Reporting of monitoring data		
Parameter	Reporting period	Period ends
Other surface water monitoring As specified by schedule 3, table S3.12	Every 12 months	31 December
Meteorological data Landfill Directive, annex III, section 2	Every 12 months	31 December
Other monitoring As specified by Schedule 3, table S3.13	Every 12 months	31 December

* - where the reporting period is 12 months, you may submit this information as part of the 'annual report' required by condition 4.2.2.

Table S4.2: Annual production/treatment	
Leachate: Disposed of off site; Disposed of to any onsite effluent treatment plant; Recirculated into the waste mass.	Cubic metres/year
Landfill gas: combustion in flares; combustion in gas engines; Other methods of gas utilisation. Average methane content entering the landfill gas utilisation or treatment compound (based on the annual average of Table S3.10 monitoring) Methane generation rate (50%ile from a representative model)	Normalised cubic metres/year % methane v/v m ³ /hr

Table S4.3 Performance Parameters			
Parameter	Frequency of assessment	Annual total	Unit
Energy used (including for leachate treatment)	Annually		MWh of electricity or natural gas

Table S4.4 Reporting Forms		
Media/parameter	Reporting Format	Date of Form
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	05/08/2015

Table S4.4 Reporting Forms		
Media/parameter	Reporting Format	Date of Form
Air	Form Air 1 or other reporting format to be agreed in writing with the Environment Agency	05/08/2015
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	05/08/2015
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	05/08/2015
Sewer	Form Sewer 1 or other reporting format to be agreed in writing with the Environment Agency	05/08/2015
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	05/08/2015
Particulate matter	Form Particulate 1 or other reporting format to be agreed in writing with the Environment Agency	05/08/2015
Waste Return	Waste Return Form RATS2E	05/08/2015
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	05/08/2015

Schedule 5 – Notification

This page outlines the information that the operator must provide.

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

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

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and Time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

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

Part B to be supplied as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

“annually” means once every year.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

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

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

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

(a) “Cell layout drawing” means: A drawing or drawings of the proposed new cell that illustrate(s) in sufficient detail:

- (i) the location of the new cell on the site;
- (ii) the proposed level (Above Ordnance Datum) of the base of the excavation;
- (iii) the proposed finished levels of all containment and leachate drainage layers;
- (iv) the positions of leachate management infrastructure; and
- (v) the positions of landfill gas infrastructure (if appropriate).

(b) A detailed written explanation of any minor design changes from the most recently approved cell that result from the new cell layout. This would include, for example:

- (i) changes to slope length and gradient within the cell;
- (ii) new leachate or landfill gas infrastructure construction design;
- (iii) slope stability issues such as new basal excavation level; and/or
- (iv) depth of waste.

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

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

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- “As-built” plans and sections of the works;
- Copies of the site engineer’s daily records;
- Records of any problems or non-compliances and the solution applied;

- Any other site specific information considered relevant to proving the integrity of the New Cell or Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations 2010, SI 2010 No.675. Words and expressions used in this permit which are also used in those Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“exceeded” means that a value is above a permitted limit, or where a range of values or a minimum value is set as a permitted limit it means a value outside that range or below the minimum value, whichever is applicable.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous substances” as defined by the Environmental Permitting (England and Wales) Regulations 2010, SI 2010 No.675, schedule 22 and listed in our Hydrogeological risk assessment guidance, annex J to our H1 risk assessment guidance.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

“Landfill Infrastructure” means any specified element of the:

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

within the site.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

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

“LFTGN 05” means Environment Agency Guidance for monitoring enclosed landfill gas flares.

“LFTGN 07” means Environment Agency Guidance on monitoring landfill gas surface emissions.

“LFTGN 08” means Environment Agency Guidance for monitoring landfill gas engines.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"inert waste" means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater

"Medicinal product" means any medicine licensed by the Medicines and Healthcare products Regulatory Agency (MHRA) or their predecessors under the Medicines Act 1968, section 130.

"M2" means Environment Agency Guidance Monitoring of stack emissions to air.

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

- groundwater under-drainage system;
- permanent geophysical leak location system;
- leak detection layer;
- sub-grade;
- barriers;
- liners;
- leachate collection system;
- leachate abstraction system;
- separation bund/layer;
- cell or area surface water drainage system;
- side wall subgrade and containment systems;

for the New Cell.

"MEPP" Monitoring and extraction point plan, required by condition 4.2.2(h) to specify extraction points and routine monitoring locations.

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"No impact" means that the change made to the construction process will not affect the agreed design criteria, specification or performance in a way that has a negative effect.

"Pests" means Birds, Vermin and Insects.

"Previous year" means the 12 month period preceding the month the annual report is submitted in.

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

"Relevant waste acceptance procedures" means the procedure for the acceptance of waste at landfills and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

"Relevant waste acceptance criteria" means the waste acceptance criteria and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

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

'Sustainably extracted' means where suction can be applied to the extraction wells such that a flow rate of landfill gas, with a methane content capable of either being combusted, or treated by bio-oxidation, can be extracted without increasing the risk of air ingress to the waste or inducing aerobic degradation within the waste.

"Waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

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

Where the following terms appear in the waste code list in Tables S2.1, S2.2 or S2.3 they have the meaning given below:

'hazardous substance' means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008;

'heavy metal' means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances;

'polychlorinated biphenyls and polychlorinated terphenyls' ('PCBs') means PCBs as defined in Article 2(a) of Council Directive 96/59/EC'.

Article 2(a) says that 'PCBs' means:

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight;

'transition metals' means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances;

'stabilisation' means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste;

'solidification' means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste;

'partly stabilised wastes' means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

END OF PERMIT

Permit Number: BU7901IP Operator: Biffa Waste Services Limited

Facility: Colnbrook Landfill Form Number: Air 1/ 05/08/2015

Reporting of emissions to air for the period from to

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: BU7901IP Operator: Biffa Waste Services Limited
 Facility: Colnbrook Landfill Form Number: Water1 / 05/08/2015

Reporting of emissions to water (other than to sewer) and land for the period from to

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
 (Authorised to sign as representative of Operator)

Date.....

Permit Number: BU7901IP Operator: Biffa Waste Services Limited

Facility: Colnbrook Landfill Form Number: Sewer1 /05/08/2015

Reporting of emissions to sewer for the period from to

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: BU7901IP Operator: Biffa Waste Services Limited
 Facility: Colnbrook Landfill Form Number: Leachate 1 / 05/08/2015

Reporting of leachate monitoring for the period from to

Monitoring Point	Substance / Parameter	Compliance limit	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed Date.....
 (Authorised to sign as representative of Operator)

Permit Number: BU7901IP Operator: Biffa Waste Services Limited
 Facility: Colnbrook Landfill Form Number: Groundwater1 / 05/08/2015

Reporting of groundwater monitoring for the period from to

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
 (Authorised to sign as representative of Operator)

Date.....

Permit Number: BU7901IP Operator: Biffa Waste Services Limited

Facility: Colnbrook Landfill Form Number: LFG1 / 05/08/2015

Reporting of landfill gas monitoring for the period from to

Monitoring Point	Substance / Parameter	Compliance limit	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: BU7901IP Operator: Biffa Waste Services Limited

Facility: Colnbrook Landfill Form Number: Particulate1 / 05/08/2015

Reporting of particulates for the period from to

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit with introductory note

Pollution Prevention and Control Regulations 2000
Landfill Regulations 2002

Biffa Waste Services Ltd
Colnbrook Landfill Site
Sutton Lane
Slough
Berkshire
SL3 8AB

Permit number
BU 7901

Contents

Introductory note	ii
Permit	1
Conditions	3
1 General	3
2 Operating conditions	6
3 Records	20
4 Reporting	21
5 Notifications	22
6 Interpretation	24
Schedule 1 - Notification of abnormal emissions	27
Schedule 2 - Reporting of monitoring data	28
Schedule 3 - Forms to be used	29
Schedule 4 - Reporting of performance data	33
Schedule 5 - Site Plan	34

Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 6 of the Landfill (England and Wales) Regulations 2002 (S.I.2002 No.1559) ("the Landfill Regulations") and Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No.1973), as amended, ("the PPC Regulations") to operate an installation carrying out activities covered by the description in Section 5.2 A(1)(a) in Part 1 to Schedule 1 of the PPC Regulations, to the extent authorised by the Permit:

- (a) The disposal of waste in a landfill receiving more than 10 tonnes of waste in any day or with a total capacity of more than 25,000 tonnes, excluding disposals in landfills taking only inert waste.

There may be some activities on the installation to which BAT applies because they are not Landfill activities. Therefore, in some sections of the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the installation, to prevent and where that is not practicable to reduce emissions. The conditions do not explain what BAT is. In determining BAT, the Operator should pay particular attention to the appropriate Horizontal guidance (H1 to H4) and other relevant guidance

Colnbrook landfill is a former sand and gravel pit excavated partly within the floodplain of the River Thames to the east of Slough. It is situated close to the intersection of the M4 and M25 motorways. A non-technical description of the installation is given in the Application. The installation as shown on map reference HRA – Figure 2.

Note that the Permit requires the submission of certain information to the Agency (see Sections 4 and 5). In addition, the Agency has the power to seek further information at any time under regulation 28 to the PPC Regulations provided that it acts reasonably.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
Not Applicable		

Other activities may take place on the site of this installation which are not regulated under this Permit or any other PPC Permit referred to in the Table above and below. These activities include:

Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue
RMC Environmental Services	EAWML 83084	1 st May 1994

Public Registers

Considerable information relating to Permits including the Application is available on public registers in accordance with the requirements of the PPC Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security.

Variations to the Permit

This Permit may be varied in the future (by the Agency serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, it must submit a formal Application. The Status Log within the Introductory Note to any such Variation Notice will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made by the Operator. For the application to be successful, the Operator must be able to demonstrate to the Agency that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made jointly by the existing and proposed holders. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit. As the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed holder is also considered to be "a fit and proper person" as required by the PPC Regulations.

Talking to us

Please quote the Permit Number if you contact the Agency about this Permit.

To give a Notification under condition 5.1.2, the Operator should use the Incident Hotline telephone number (0800 80 70 60) or any other number notified in writing to the Operator by the Agency for that purpose.

Status Log

Detail	Date	Comment
Application BU7901	Received 6th June 2003	
Response to request for information - e mail dated 15.09.03 and 30.09.03, following meeting on the 16.10.03 and letter dated 17.10.03	Letters received 11.11.03 and 12.11.03	
Response to request for information regarding technical information letter dated 02.12.03	Letter received 23.12.03 and Revised Gas Risk Assessment Version 2.1 dated 12 th December 2003.	
Response to Schedule 4 Part 1 Notice	<i>Not Applicable</i>	
Request to extend determination	Letters dated 5.10.03, 7.11.03 and 8.12.03	
Permit BU7901	Determined 5 th February 2004	

End of introductory Note.

This page is left intentionally blank

Permit

Pollution Prevention and Control
Regulations 2000
Landfill Regulations 2002



**ENVIRONMENT
AGENCY**

Permit

Permit number
BU7901

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations (SI 2000 No 1973), and Regulation 6 of the Landfill (England and Wales) Regulations (S.I.2002 No.1559) hereby authorises

Biffa Waste Services Limited("the Operator"),

whose Registered Office is

**Coronation Road
Cressex
High Wycombe
Buckinghamshire**

HP12 3T

Company registration number 946107

to operate an installation at

**Colnbrook Landfill Site
Sutton Lane
Slough
Berkshire
SL3 8AB**

to the extent authorised by and subject to the conditions of this Permit.

The landfill authorised by this Permit is for the disposal of non-hazardous waste.

Signed	Date
	5 th February 2004

JM **Jean Matthews, Environment Management Team Leader**
Authorised to sign on behalf of the Agency



Conditions

1 General

1.1 Permitted Activities

- 1.1.1 The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1.1.1.

Table 1.1.1

Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 5.2(a), The disposal of waste in a landfill	Landfill for non-hazardous waste (landfill classification under the Landfill Regulations 2002)	Disposal of non- hazardous wastes, consisting of the types and quantities specified in condition 2.1.2, as an integral part of landfilling.
Leachate management	Storage and treatment of leachate	Leachate arising from the Permitted landfill
Landfill gas management	Flaring and utilisation of landfill gas for energy recovery	Landfill gas arising from the Permitted landfill
Water discharges to controlled waters	Discharge of site drainage	From surface water management system to points of entry to controlled waters
Leachate discharges to foul sewers	Discharge of leachate from the landfill.	From leachate management system to point of entry to sewer

- 1.1.2 Where waste on site is subjected to activities that are exempt from control under the Waste Management Licensing Regulations 1994 then the wastes controlled under condition 1.1.1, above, shall be clearly identified and kept separate from such exempt waste activities and a record shall be kept of where such exempt activities are conducted.

1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in red on the Site Plan Figure 2 dated May 2003 at Schedule 5 to this Permit.

1.3 Overarching Management Condition

- 1.3.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain a management system, organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

1.4 Improvement Programme

- 1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Agency within 14 days of the completion of each such requirement.

Reference	Requirement	Date
1a	Submit arrangements for leachate treatment, leachate storage and a connection point for the treated leachate to the foul sewer system.	By 30th April 2004
1b	Provide construction specification and method statement for operation and maintenance of leachate treatment plant and storage facilities.	By 30 th April 2004
1c	Establish and maintain arrangements for leachate treatment, temporary storage and disposal of leachate as approved by the Agency in writing.	By 31 st December 2004
2	Install groundwater monitoring boreholes at minimum 100 metre spacing along the downgradient (southern and eastern boundaries) of the installation and commence monitoring	By 31 st August 2004
3	Introduce routine quarterly analysis for a representative range of List 1 metals and PAH compounds in respect of leachate and groundwater monitoring and condition 2.1.1 shall be read as if they contained a reference to this quarterly analysis. Review existing analytical suites and sampling schedules and amend and implement in accordance with EA guidance LFTGN02 and agreed in writing with the Agency. Condition 2.1.1 shall be read as if they contained a reference to the revised analytical suite and schedules referred to above.	Immediately following date of issue of Permit
4	Supplement existing network of peripheral landfill gas monitoring boreholes to establish a minimum 50 metre spacing around the installation boundary	By 31 st August 2004

- 1.4.2 Where the Operator fails to comply with any requirement by the date specified in Table 1.4.1 it shall send written notification of such failure to the Agency within 14 days of such date.

1.5 Minor Operational Changes

- 1.5.1 The Operator shall seek the Agency's written agreement to any minor operational changes under condition 2.1.1 of this Permit by sending to the Agency: written notice of the details of the proposed change including an assessment of its possible effects (including waste production) on risks to the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.

- 1.5.2 Any such change shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.
- 1.5.3 When the qualification "unless otherwise agreed in writing" is used elsewhere in this Permit, the Operator shall seek such agreement by sending to the Agency written notice of the details of the proposed method(s) or techniques.
- 1.5.4 Any such method(s) or techniques shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation using that method or technique, and relevant provisions in the Application shall be deemed to be amended.

1.6 Pre-Operational Conditions

- 1.6.1 No disposal of wastes shall take place in any area of the Permitted Installation where waste deposit commences after the issue of this Permit unless:
 - 1.6.1.1 prior to the commencement of construction of that area the operator has submitted to the Agency in writing the detailed design and the construction quality assurance (CQA) programme for the pre-operational engineering of the barriers, liners and leachate collection layer for that area and that it is confirmed in writing by the Agency that these are in conformance with the relevant specifications set out in section 2 of Part B of the Application and the additional requirements specified in condition 1.6.1.2 and
 - 1.6.1.2 the operator has demonstrated compliance with the Landfill Regulations (Schedule 2) through the provision of a compacted clay (minimum 500mm depth) or artificial basal sealing liner in addition to the natural geological barrier and granular leachate collection layer (minimum 300mm depth) and
 - 1.6.1.3 the operator has notified the Agency in writing of any changes in the detailed design and the CQA programme that are made during the construction, and within 5 working days of those changes having been made and that the Agency has agreed in writing that these are in conformance with the relevant specifications set out in Part B of the Application ; and
 - 1.6.1.4 the pre-operational engineering and infrastructure of the barriers and liners and the leachate collection layer have been completed and validated in accordance with the documented CQA procedures, and
 - 1.6.1.5 the operator has submitted the validation report in writing to the Agency; and
 - 1.6.1.6 the Agency has inspected the area to ensure that it complies with the relevant conditions of the landfill permit, and has confirmed in writing that it has no objection to that area becoming operational

1.7 Off-site Conditions

- 1.7.1 There are no off-site conditions.

2 Operating conditions

2.1 Landfilling Controls

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

Table 2.1.1: Operating techniques

Description	Parts	Date Received
Application	The response to questions 1.2, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Form	Application: 6th June 2003

- 2.1.2 Wastes shall only be accepted for disposal on the site if they are:
- 2.1.2.1 non-hazardous or inert and
- 2.1.2.2 they do not include any of the following:
- liquid wastes (including waste waters but excluding sludge).
 - waste which in the conditions of landfill is explosive, corrosive, oxidising, highly flammable or flammable
 - hospital and other clinical infectious wastes from medical or veterinary establishments
 - 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
 - whole used tyres (other than tyres used as engineering materials, bicycle tyres and tyres with an outside diameter of more than 1400mm).
 - from 16th July 2006, shredded used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm).
 - any waste which does not fulfil the relevant waste acceptance criteria
 - waste which has been diluted or mixed solely to meet the relevant waste acceptance criteria
 - with effect from a date specified in any Regulations but if no date is specified no later than 31st March 2007, wastes which have not 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.
- And
- 2.1.2.3 they are in accordance with the list of waste types and quantities, as described in the application.
- 2.1.2.4 The operator of the landfill shall visually inspect the waste at the entrance to the landfill and at the point of the deposit and shall satisfy himself that it conforms to the description provided in the documentation submitted by the holder.
- 2.1.2.5 The operator shall ensure that if representative samples are taken for analysis, the operator shall retain the samples and results of any analysis for at least one month.
- 2.1.2.6 The operator on accepting each delivery of waste shall provide a written receipt to the person delivering it.
- 2.1.2.7 The operator shall ensure that the landfill is secured to prevent free access to the site and the gates of the landfill must be locked outside operating hours.

- 2.1.3 The total quantity of waste that shall be deposited in the landfill shall not exceed 4 million cubic metres
- 2.1.4 The quantity of waste that is deposited in the landfill in any year shall not exceed the limits in Table 2.1.2 below.

Category	Limit Tonnes/ Year	Comments
Hazardous Waste	0	
Non Hazardous Waste	300,000	Including inert wastes
Stable, non-reactive hazardous waste	0	

- 2.1.5 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, origin, date of delivery, the identity of the producer (or in the case of municipal waste, the collector) of any waste that is received for disposal or recovery at the Permitted Installation.
- 2.1.6 The Operator shall record the quantity of waste deposited within the landfill.

2.2 Emissions

2.2.1 Emissions to Air, (excluding Odour, Noise or Vibration) from Specified Points

- 2.2.1.1 Part 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.
- 2.2.1.2 Emissions to air from the emission points in Table 2.2.1 shall only arise from the sources specified in that Table.

Emission point reference or description	Source	Location of emission point
Landfill gas flare	Deposited wastes Colnbrook Landfill	To be approved in writing by the Agency prior to installation.
Landfill gas engine(s)	Deposited wastes Colnbrook Landfill	To be approved in writing by the Agency prior to installation.

- 2.2.1.3 The limits for emissions to air for the parameter(s) and emission point(s) set out in Table 2.2.2 shall not be exceeded.

Table 2.2.2 Emission limits to air and monitoring				
Emission point description	Parameter	Limit (mg/m ³ /day)	Monitoring frequency	Monitoring method
Landfill Gas Flare	Nitrogen Oxides (NO _x)	150	Annually	Chemiluminescence
Landfill Gas Flare	Carbon Monoxide (CO)	50	Annually	Non-Dispersive Infra red analysis
Landfill Gas Flare	Total Volatile Organic Compounds (VOC's)	10	Annually	Extractive sampling and FID analysis
Landfill Gas Flare	Non Methane Volatile Organic Compounds (NMVOC's)	5	Annually	Extractive sampling onto sorbent, extraction by CS ₂ , analysis by GC with appropriate detector
Landfill Gas Engine(s)	Nitrogen Oxides (NO _x)	650	Annually	Extractive sampling and Chemiluminescence
Landfill Gas Engine(s)	Carbon Monoxide (CO)	1500	Annually	Extractive sampling and non-dispersive Infra red analysis
Landfill Gas Engine(s)	Total Volatile Organic Compounds (VOC's)	1750	Annually	Extractive sampling and FID analysis
Landfill Gas Engine(s)	Non Methane Volatile Organic Compounds (NMVOC's)	150	Annually	Extractive sampling onto sorbent, extraction by CS ₂ , analysis by GC with appropriate detector

2.2.2 Emissions to water (other than groundwater), from specified points

2.2.2.1 Part 2.2.2 of this Permit shall not apply to releases of odour, noise or vibration or to releases to groundwater.

Emissions to Water (other than to Sewer)

2.2.2.2 Conditions 2.2.2.3-4 shall not apply to emissions to sewer.

2.2.2.3 No emission from the Permitted Installation shall be made to water except via the surface water drainage collection system.

Table 2.2.4: Emission point to water

Emission Point Reference or description	Source	Receiving Water
NWR0408	Intercepted surface water	Un-named tributary of Horton Brook

2.2.2.4 The limits for the emissions in receiving water for the parameters and monitoring points set out in Table 2.2.5 shall not be exceeded.

Table 2.2.5 : Surface water quality control levels

Parameters with frequency of monitoring	SW01	SW02	SW03	SW04	Consented Discharge NWR0408
Plan reference: Environmental monitoring locations, Drawing No. 1 Rev. 2 dated 9 th May 2003					
Ammoniacal Nitrogen (mg/l) - monthly	2	2	2	2	2
Chloride (mg./l) - monthly	150	150	150	150	150
Iron (mg./l) - monthly	5	5	5	5	5

2.2.2.5 Where a substance is specified in Table 2.2.5 but no limit is set for it, the concentration of such substance at the relevant monitoring point shall be no greater than the background concentration

Emissions to sewer

2.2.2.6 Emissions to sewer from the specified emission points in Table 2.2.7 shall only arise from the emission points specified in that Table.

Table 2.2.7 Emission points to sewer

Emission point reference or description	Source	Sewer
S1 At existing point of entry to sewer on Sutton Lane.	Discharge from leachate effluent treatment plant	Thames Water plc

2.2.2.7 The limits for the emissions to sewer for the parameters set out in Table 2.2.8 shall not be exceeded.

Table 2.2.8 : Emission limits and monitoring frequency to sewer

Emission point reference	Substance	Limit	Monitoring frequency	Monitoring method
S1 Entry to sewer	Settleable Solids	1000mg/l	Monthly	To be approved in writing with the Agency
	COD	1500mg/l	Monthly	To be approved in writing with the Agency
	Saponifiable Oil or Grease	300mg/l	Monthly	To be approved in writing with the Agency
	Unsaponifiable Oil or Grease	50mg/l	Monthly	To be approved in writing with the Agency
	Sulphide	1mg/l	Monthly	To be approved in writing with the Agency
	Cyanide	5mg/l	Monthly	To be approved in writing with the Agency
	Ammoniacal Nitrogen	200mg/l	Monthly	To be approved in writing with the Agency
	Sulphate	1800mg/l	Monthly	To be approved in writing with the Agency
	Available Chlorine	50mg/l	Monthly	To be approved in writing with the Agency
	Rapidly Settleable Solids	100mg/l	Monthly	To be approved in writing with the Agency
	Phosphate	15mg/l	Monthly	To be approved in writing with the Agency
	Chromium	3mg/l	Monthly	To be approved in writing with the Agency
	Copper	3mg/l	Monthly	To be approved in writing with the Agency
	Lead	3mg/l	Monthly	To be approved in writing with the Agency
	Nickel	2mg/l	Monthly	To be approved in writing with the Agency
	Silver	2mg/l	Monthly	To be approved in writing with the Agency
	Zinc	3mg/l	Monthly	To be approved in writing with the Agency
	Phenol	10mg/l	Monthly	To be approved in writing with the Agency
	Dissolved Methane	0.1mg/l	Monthly	To be approved in writing with the Agency
	pH	6-11	Monthly	To be approved in writing with the Agency
Temperature	43°C	Monthly	To be approved in writing with the Agency	

2.2.2.8 Where a substance is specified in Table 2.2.8 but no limit is set for it, the concentration of such substance in emissions to sewer from the relevant emission point shall be no greater than the background concentration.

- 2.2.2.9 Where a monitoring method is to be approved by the Agency the Operator shall use its best endeavours to achieve this prior to monitoring commencing, pending any such approval the monitoring must be carried out using best available recognised methods.

2.2.3 Emissions to groundwater

- 2.2.3.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).
- 2.2.3.2 No emission from within the Permitted Installation shall give rise to the introduction into groundwater of any substance in List II (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)) so as to cause pollution (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).
- 2.2.3.3 For substances other than those in List I or II (as defined in the Groundwater Regulations 1998 (SI 1998 No.2746)), the Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce emissions to groundwater from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.
- 2.2.3.4 The Operator shall carry out monitoring of the parameters listed in Table 2.2.10, at the specified monitoring points and at least at the frequencies specified in that Table.
- 2.2.3.5 The trigger levels for emissions into groundwater for the parameter(s) and monitoring point(s) set out in Table 2.2.10 shall not be exceeded.

Table 2.2.10: The trigger levels for emissions into groundwater								
Parameters with frequency of monitoring	Monitoring Points (Plan reference Environmental Monitoring Locations, Drawing No. 1 Rev. 2 dated 9 th May 2003)							
	W01	W02	W03	W04	W05	W06	W07	W08
Ammoniacal Nitrogen (mg/l) - quarterly	25	10	20	15	3	2	2	5
Chloride (mg/l) - quarterly	175	150	150	150	150	250	150	200
Cadmium (ug/l) - quarterly	5	5	5	5	5	5	5	5
Mecoprop (ug/l) - quarterly	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

- 2.2.3.6 Subject to the terms of this condition, the activities of disposal, or tipping for the purpose of disposal, of waste, that are authorised by this landfill permit shall cease 3½ years from date of issue of this Permit, unless by that date the operator has submitted to the Agency a written review on the Hydrogeological Risk Assessment submitted as part of the original Application for the permit.

The Risk Assessment review shall include a review of the responses in Section 1.2.1 to 1.2.10 of Part B of that original application. The written review shall show that the specified date, the level of risk to groundwater meets the terms of the Groundwater Regulations 1998.

Within six months of receipt of the written review the Agency shall reply in writing to the operator either confirming that the above requirements have been met and authorising continuation of disposal activities or that activities of disposal or tipping for the purpose of disposal of waste authorised by this permit shall cease until the operator can show that the level of risk to groundwater meets the terms of the Groundwater Regulations 1998.

In the event that the continuation of activities is authorised in accordance with this condition beyond 4 years following the date of granting of this Permit, they shall cease on every fourth anniversary thereafter, unless, by each of those dates, the operator has submitted to the Agency a further written review of the Hydrogeological Risk Assessment which shows that, on the specified dates, the level of risk to groundwater meets the terms of the Groundwater Regulations.

The reviews submitted to the Agency shall include the results of any investigations and reviews carried out, and, in particular, reviews of the following aspects of the Hydrogeological Risk Assessment :

Recommendations of the essential technical precautions which must be taken, paying particular attention to the nature and concentration of the substances present in the matter being disposed of or tipped, the characteristics of the receiving environment and the proximity of the water catchment areas, in particular those for drinking, thermal and mineral water;

Recommendations of the technical precautions necessary:

- i In the case where groundwater is considered to be permanently unsuitable for other uses, to ensure that no substance in list I can reach other aquatic ecosystems or harm other ecosystems, to ensure that the presence of any list I substance once discharged into the groundwater will not impede exploitation of ground resources and to prevent pollution of groundwater by list II substances; and
- ii in the case where groundwater is not considered to be permanently unsuitable for other uses, to prevent any discharges into groundwater of substances in list I and to prevent any pollution of groundwater by substances in list II.

2.2.4 Fugitive emissions of substances to air

2.2.4.1 The Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce fugitive emissions of substances to air (e.g. dust, litter) from the Permitted Installation in particular from:

- storage areas
- buildings
- pipes, valves and other transfer systems
- open surfaces;

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.4.2 The Operator shall use all appropriate measures so as to prevent or where that is not practicable to reduce emissions of litter and dust from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.4.3 The Operator shall carry out monitoring of the parameters listed in Table 2.2.11 below, at the specified monitoring points and at least at the frequencies specified in that Table.

2.2.4.4 The limits for particulate matter emissions into air for the parameters set out in Table 2.2.11 shall not be exceeded.

Table 2.2.11 Dust emission limits into air

Parameters and frequency of monitoring	Emission Limit	Monitoring Point
Dust – 6 monthly	10mg/ m ³	To be approved in writing with the agency

2.2.5 Fugitive emissions of substances to water and sewer

2.2.5.1 Subject to condition 2.2.5.2 below, the Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce fugitive emissions (e.g. contaminated runoff, leachate) of substances to water (other than Groundwater) and sewer from the Permitted Installation in particular from:

- all structures under or over ground
- surfacing
- bunding
- storage areas

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5.2 There shall be no release to water that would cause a breach of an EQS established by the UK Government to implement the Dangerous Substances Directive 76/464/EEC.

2.2.5.3 The leachate levels within the installation shall be monitored from the date of issue of this Permit at monthly intervals at the abstraction point and two additional points within each Cell. **The head of leachate shall not be permitted to exceed 1 metre above the basal liner throughout the operational phase of each Cell and throughout the subsequent post-operational period whilst active landfill gas management is taking place. The head of leachate shall not be permitted to exceed 16 metres AOD at any time following the cessation of landfilling operations and prior to discontinuation of landfill gas abstraction..**

2.2.5.4 The leachate quality shall be assessed quarterly in accordance with EA guidance "Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water – LFTGN02" or as otherwise agreed by the Agency for a representative range of List 1 and List 2 substances. The following trigger levels shall apply:

Table 2.2.12 Leachate quality control levels

Substance	Trigger Level – mg/l
Ammoniacal nitrogen	631
Chloride	2,670
Cadmium	0.005
Ethyl benzene	0.057
Napthalene	0.012
Mecoprop	0.019
Toluene	0.211

2.2.6 Odour

2.2.6.1 The Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:

- limiting the use of odorous materials
- restricting odorous activities
- controlling the storage conditions of odorous materials
- controlling processing parameters to minimise the generation of odour
- optimising the performance of abatement systems
- timely monitoring, inspection and maintenance
- employing, where appropriate, an approved odour management plan

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.6.2 All emissions to air from the installation shall be free from offensive odour as perceived by an Authorised Officer of the Agency outside of the installation boundary except that the Operator shall not be taken to have breached this condition if the Operator has ensured that all appropriate measures are taken or where that is not practicable, to reduce, such odorous emissions.

2.2.7 Emissions to Land

2.2.7.1 This Part 2.2.7 of this Permit shall not apply to emissions to groundwater.

- 2.2.7.2 No emission from the Permitted installation shall be made to land.
- 2.2.7.3 Subsurface landfill gas emissions shall be controlled and monitored weekly at the peripheral locations specified in Table 2.2.13

Table 2.2.13 Landfill gas trigger levels

Emission point reference/description	Parameter	Trigger
Peripheral Landfill gas monitoring boreholes PG01 to PG40 (Dwg No. 1 Appendix L)	Methane	1.0%
Peripheral Landfill gas monitoring boreholes PG01 to PG40 (Dwg No. 1 Appendix L)	Carbon Dioxide	1.5%

- 2.2.7.4 The Operator shall notify the Agency, as soon as reasonably practicable, of any information concerning the state of the Site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.

2.3 Management (and Fit and Proper Person for Specified Waste Management Activities (SWMAs)).

- 2.3.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

Training

- 2.3.2 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.3.3 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to carry out their duties.
- 2.3.4 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

Maintenance

- 2.3.5 All plant and equipment used in operating the Permitted Installation, the failure of which could lead to an adverse impact on the environment, shall be maintained in good operating condition.
- 2.3.6 The Operator shall maintain a record of relevant plant and equipment covered by condition 2.3.5 and for such plant and equipment:
- 2.3.6.1 a written or electronic maintenance programme; and
 - 2.3.6.2 records of its maintenance.

Incidents and Complaints

- 2.3.7 The Operator shall maintain and implement written procedures for:
- 2.3.7.1 taking prompt remedial action, investigating and reporting actual or potential non-compliance with operating procedures or emission limits and if such event occur;

- 2.3.7.2 investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short term and long term remedial measures and near misses) and prompt implementation of appropriate actions; and
- 2.3.7.3 ensuring that detailed records are made of all such actions and investigations.
- 2.3.8 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.

Fit and Proper Person

- 2.3.9 Where Regulation 4 of the Regulations applies to a relevant activity/associated activity carried on at the Permitted Installation, as authorised under condition 1.1.1,
- 2.3.9.1 any changes in technically competent management 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. Technically competent management and technical competence shall be as prescribed under Section 74 of the Environmental Protection Act 1990.
- 2.3.9.2 in the event of the Operator and/or any relevant person being convicted of any relevant offence 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; and
- 2.3.9.3 In the event that the Operator and/or any relevant person lodges an appeal against any such conviction, the Operator shall notify the Agency of this within 14 days of the lodging. The Operator shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided; and
- 2.3.9.4 The financial provision for meeting the obligations under this Permit set out in the Agreement made between the Operator and the Agency on the date of this permit shall be maintained by the Operator throughout the subsistence of this Permit and the Operator shall produce evidence of such provision whenever required by the Agency.
- 2.3.9.5 The operator shall ensure that the charges it makes for the disposal of waste in the landfill covers all of the following
- (a) the costs of setting up and operating the landfill;
 - (b) the costs of the financial provision required by condition 2.3.9.4; and
 - (c) the estimated costs for the closure and after-care of the landfill site for a period of at least 30 years from its closure.

2.4 Efficient use of raw materials

- 2.4.1 The Operator shall

- 2.4.1.1 maintain the raw materials table or description submitted in response to Section 2.4 of the Application and in particular consider on a periodic basis whether there are suitable alternative materials to reduce environmental impact;
- 2.4.1.2 carry out periodic waste minimisation audits and water use efficiency audits. If such an audit has not been carried out in the 2 years prior to the issue of this Permit, then the first such audit shall take place within 2 years of its issue. The methodology used and an action plan for increasing the efficiency of the use of raw materials or water shall be submitted to the Agency within 2 months of completion of each such audit and a review of the audit and a description of progress made against the action plan shall be submitted to the Agency at least every 4 years thereafter; and
- 2.4.1.3 ensure that incoming water use is directly measured and recorded.

2.5 Waste Storage and Handling

No condition applies except as covered by the requirements in 2.1.1.

2.6 Waste recovery or disposal

- 2.6.1 Waste produced at the Permitted Installation shall be recycled or recovered unless technically and/or economically impossible.
- 2.6.2 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, composition, origin, destination (including whether this is a recovery or disposal operation) and where relevant removal date of any waste that is produced at the Permitted Installation.

2.7 Energy Efficiency

- 2.7.1 The Operator shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year, by 31 January each year, providing the information listed in Table S4.1 at Schedule 4.
- 2.7.2 The Operator shall maintain and update annually an energy management system which shall include, in particular, the monitoring of energy flows and targeting of areas for improving energy efficiency.
- 2.7.3 The Operator shall design, maintain and operate the Permitted Installation so as to secure energy efficiency, taking into account relevant guidance including the Agency's Energy Efficiency Horizontal Guidance Note H2 as from time to time amended. Energy efficiency shall be secured in particular by:
- ensuring that the appropriate operating and maintenance systems are in place;
 - ensuring that all plant is adequately insulated to minimise energy loss or gain;
 - ensuring that all appropriate containment methods, (e.g. seals and self-closing doors) are employed and maintained to minimise energy loss;
 - employing appropriate basic controls, such as simple sensors and timers, to avoid unnecessary discharge of heated water or air;
 - where building services constitute more than 5% of the total energy consumption of the installation, identifying and employing the appropriate energy efficiency techniques for building services, having regard in particular to the Building services part of the Agency's Energy Efficiency Horizontal Guidance Note H2; and
 - maintaining and implementing an energy efficiency plan which identifies energy saving techniques that are applicable to the activities and their associated environmental benefit

and prioritises them, having regard to the appraisal method in the Agency's Energy Efficiency Horizontal Guidance Note H2.

2.8 Accident prevention and control

- 2.8.1 The Operator shall maintain and implement when necessary the accident management plan submitted or described in response to Section 2.4.4 of the Application. The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the Agency notified of the results of the review within 2 months of its completion.

2.9 Noise and Vibration

- 2.9.1 The Permitted Installation shall be designed, operated and maintained so as to avoid reasonable cause for annoyance from noise or vibration, in particular by:
- equipment maintenance e.g. fans, pumps, motors, conveyors and mobile plant;
 - use and maintenance of appropriate attenuation e.g. silencers, barriers, enclosures;
 - timing and location of noisy activities and vehicle movements;
 - periodic checking of noise emissions, either qualitatively or quantitatively; and
 - maintenance of building fabric.

Provided always that the techniques used by the operator shall be no less effective than those described in the application, where relevant

2.10 On Site Monitoring

- 2.10.1 The Operator shall maintain and implement an emissions monitoring programme which ensures that emissions are monitored from the specified points, for the parameters listed in and to the frequencies and methods described in Tables 2.2.2, 2.2.5, 2.2.8, 2.2.10, 2.2.11, 2.2.12, 2.2.13 unless otherwise agreed in writing, and that the results of such monitoring are assessed. The programme shall ensure that monitoring is carried out under an appropriate range of operating conditions.
- 2.10.2 The Operator shall notify the Agency at least 14 days in advance of undertaking monitoring and/or spot sampling, where such notification has been requested in writing by the Agency.
- 2.10.3 The Operator shall maintain records of all monitoring taken or carried out (this includes records of the taking and analysis of samples instrument measurements (periodic and continual), calibrations, examinations, tests and surveys) and any assessment or evaluation made on the basis of such data.
- 2.10.4 There shall be provided:
- 2.10.4.1 safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2 to this Permit, unless otherwise specified in that Schedule; and
- 2.10.4.2 safe means of access to other sampling/monitoring points when required by the Agency.

2.11 Closure, Aftercare and Decommissioning

- 2.11.1 The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

Table 2.11.1: Closure, Aftercare and Decommissioning techniques

Description	Parts	Date Received
Application	The response to questions 2.5 In Part B of the application form	6 th June 2003

- 2.11.2 Where the above Table refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the later document(s) shall prevail to the extent of such conflict.
- 2.11.3 In respect of activities on the installation which are not Listed in Section 5.2 (a or b) of Part 1 of Schedule 1 of the PPC Regulations, the Operator shall maintain and operate the Permitted activities so as to prevent or minimise any pollution risk, including the generation of waste, on closure and decommissioning in particular by:
- 2.11.3.1 attention to the design of new plant or equipment;
 - 2.11.3.2 the maintenance of a record of any events which have, or might have, impacted on the condition of the site along with any further investigation or remediation work carried out.; and
 - 2.11.3.3 the maintenance of a site closure plan to demonstrate that the installation can be decommissioned avoiding any pollution risk and returning the site of operation to a satisfactory state.
- 2.11.4 Notwithstanding condition 2.11.1 of this Permit, the Operator shall carry out a full review of the Site Closure Plan at least every 4 years.
- 2.11.5 The site closure plan shall be implemented on final cessation or decommissioning of the Permitted activities or part thereof.
- 2.11.6 The Operator shall give at least 30 days written notice to the Agency before implementing the site closure plan.

2.12 Multiple Operator installations

- 2.12.1 This is not a multi-Operator installation.

2.13 Transfer to effluent treatment plant

- 2.13.1 Transfers to the effluent treatment plant shall occur only from the points specified in Table 2.13.1 and transfers from those points shall arise only from the source and shall be released only to the treatment plant specified in that Table.

Table 2.13.1 Transfer points to effluent treatment plant

Transfer point description/identifier	Source	Effluent Treatment Plant
Leachate abstraction points (Permit App Fig. 2)	Cells 1 to 18	To be provided

3 Records

- 3.1.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:-
- 3.1.1.1 be made available for inspection by the Agency at any reasonable time
 - 3.1.1.2 be supplied to the Agency on demand and without charge
 - 3.1.1.3 be legible
 - 3.1.1.4 be made as soon as reasonably practicable
 - 3.1.1.5 indicate any amendments which have been made and shall include the original record wherever possible; and
 - 3.1.1.6 be retained at the Permitted Installation, or other location agreed by the Agency in writing, for a minimum period of 4 years from the date when the records were made, unless otherwise agreed in writing.

4 Reporting

- 4.1.1 All reports and written and or oral notifications required by this Permit and notifications required by Regulation 16 of the PPC Regulations shall be made or sent to the Agency using the contact details notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall, unless otherwise agreed in writing, submit reports of the monitoring and assessment carried out under condition 2.10, as follows:
 - 4.1.2.1 in respect of the parameters and emission points specified in Table S2 to Schedule 2.
 - 4.1.2.2 for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 3;
 - 4.1.2.3 giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - 4.1.2.4 to the Agency within 28 days of the end of the reporting period.
- 4.1.3 No condition
- 4.1.4 The Operator shall review fugitive emissions, having regard to the application of the most appropriate measures to prevent pollution, on an annual basis, or such other period as shall be agreed in writing by the Agency, and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them within 3 months of the end of such period.
- 4.1.5 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.6 The Operator shall, within 6 months of receipt of written notice from the Agency, submit to the Agency a report assessing whether all appropriate preventive measures continue to be taken against pollution at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by the Operator, that may provide environmental improvement
- 4.1.7 The Operator shall review all monitoring data required by this permit on an annual basis and shall submit a summary report to the Agency within three months of the end of each year.

5 Notifications

- 5.1.1 The Operator shall notify the Agency **without delay** of:-
- 5.1.1.1 the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
- 5.1.1.2 the detection of any fugitive emission which has caused, is causing or may cause significant adverse environmental effect; unless the quantity emitted is so trivial that it would be incapable of causing significant adverse environmental effect;
- 5.1.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution; and
- 5.1.1.4 any accident which has caused, is causing or has the potential to cause significant pollution.
- 5.1.1.5 the refusal or rejection of incoming waste.
- 5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1, by sending:-
- 5.1.2.1 the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
- 5.1.2.2 the more detailed information listed in Part B of that Schedule as soon as practicable thereafter; and such information shall be in accordance with that Schedule
- 5.1.3 The Operator shall give prior written notification to the Agency of the following events and in the specified timescales
- 5.1.3.1 As soon as practicable prior to the permanent cessation of the landfill disposal operations,
- 5.1.3.2 as soon as practicable prior to the cessation of the operation of the landfill disposal operations, for a period likely to exceed 1 month
- 5.1.3.3 at least 14 days prior to the resumption of the landfill disposal operations after a cessation.
- 5.1.4 The Operator shall notify the Agency, as soon as practicable, of any information concerning the state of the site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.
- 5.1.5 Operator shall notify the following matters to the Agency in writing within 14 days of their occurrence:
- 5.1.6 where the Operator is a registered company:
- any change in the Operator's trading name, registered name or registered office address;
 - any change to particulars of the Operator's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary)
 - any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up;
- 5.1.7 Where the Operator has entered into a Climate Change Agreement with the Government, the Operator shall notify the Agency within one month of:
- 5.1.7.1 a decision by the Secretary of State not to re-certify that Agreement
- 5.1.7.2 a decision by either the Operator or the Secretary of State to terminate that agreement
- 5.1.7.3 any subsequent decision by the Secretary of State to re-certify such an Agreement

- 5.1.8 Where the Operator has entered into a Direct Participant Agreement in the Emissions Trading Scheme which covers emissions relating to the energy consumption of the activities, the Operator shall notify the Agency within one month of:
 - 5.1.8.1 a decision by the Operator to withdraw from or the Secretary of State to terminate that agreement
 - 5.1.8.2 a failure to comply with an annual target under that Agreement at the end of the trading compliance period.

6 Interpretation

6.1.1 In this Permit, the following expressions shall have the following meanings:

"*Application*" means the application for this Permit, together with any response to a notice served under Schedule 4 to the PPC Regulations and any operational change agreed under the conditions of this Permit.

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

"*background concentration*" means such concentration of that substance as is present in:

- water supplied to the site; or
- where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
- where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation onto the site.

"BAT" means best available techniques means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these purposes: "available techniques" means "those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the operator"; "best" means "in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole" and "techniques" "includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.". In addition, Schedule 2 of the PPC Regulations has effect in relation to the determination of BAT. Note again, the possibility of excluding references to BAT.

"Fugitive emission" means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.1.3, 2.2.2.4, 2.2.2.5, 2.2.2.8 or 2.2.2.9 of this Permit"

"Groundwater" means all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

" $L_{Aeq,T}$ " means the equivalent continuous A-weighted sound pressure level in dB determined over time period, T

" $L_{A90,T}$ " means the A weighted sound pressure level in dB exceeded for 90% of the time period, T

" L_{AFmax} " means the maximum A weighted sound level measurement in dB measured with a fast time weighting

"The Landfill Regulations" means the Landfill (England and Wales) Regulations SI 2002 No. 1559 and words and expressions defined in the Landfill Regulations shall have the same meanings when used in this Permit, save to the extent that they are specifically defined in this Permit.

"Monitoring" includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys

"Permitted Installation" means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

"PPC Regulations" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 (as amended) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit

"Sewer" means sewer within the meaning of section 219(1) of the Water Industry Act 1991.

"Staff" includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

"Year" means calendar year ending 31 December.

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

6.1.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means;

Interpretation

- 6.1.3.1 in relation to gases from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- 6.1.3.2 in relation to gases from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.
- 6.1.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

Schedule 1 - Notification of abnormal emissions

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

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

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

Part A

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission	
Time and date of the emission	

Substance[s] emitted	Media	Best estimate of the quantity or the rate of emission	time during which the emission took place
	eg air		
	eg groundwater		

Measures taken, or intended to be taken, to stop the emission	
---	--

Part B

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Biffa Waste Services Ltd

Schedule 2 - Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 of this Permit, are listed below.

Table S2: Reporting of monitoring data			
Parameter	Emission point	Reporting period	Period begins
Oxides of nitrogen mg/m ³ /day	Flare(s) & Engine(s)	Annually	From date of issue of permit
Carbon monoxide mg/m ³ /day	Flare(s) & Engine(s)	Annually	From date of issue of permit
Total VOCs mg/m ³ /day	Flare(s) & Engine(s)	Annually	From date of issue of permit
Non methane VOCs mg/m ³ /day	Flare(s) & Engine(s)	Annually	From date of issue of permit
Ammoniacal nitrogen mg/l	N/WR0408, SW01-04	Monthly	From date of issue of permit
Chloride mg/l	N/WR0408, SW01-04	Monthly	From date of issue of permit
Iron mg/l	N/WR0408, SW01-04	Monthly	From date of issue of permit
Suspended solids mg/l	Existing point of entry to sewer (S1)	Monthly	From date of issue of permit
COD mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Saponifiable Oil or Grease mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Unsaponifiable Oil or Grease mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Sulphide mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Cyanide mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Ammoniacal nitrogen mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Sulphate mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Available Chlorine mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Rapidly Settleable Solids mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Phosphate mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Chromium mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Copper mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Lead mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Nickel mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Silver mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Zinc mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Phenol mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
Dissolved methane mg/l	Existing point of entry to sewer	Monthly	From date of issue of permit
pH	Existing point of entry to sewer	Monthly	From date of issue of permit
Temperature °C	Existing point of entry to sewer	Monthly	From date of issue of permit
Ammoniacal Nitrogen mg/l	W01 to W08	Quarterly	From date of issue of permit
Chloride mg/l	W01 to W08	Quarterly	From date of issue of permit
Cadmium ug/l	W01 to W08	Quarterly	From date of issue of permit
Mecoprop ug/l	W01 to W08	Quarterly	From date of issue of permit
Methane %	PG01 to PG40	Weekly	From date of issue of permit
Carbon dioxide %	PG01 to PG40	Weekly	From date of issue of permit

Schedule 3 - Forms to be used

Media/parameter	Form Number	Date of Form
Controlled Water	W1	25/04/03
Surface Water	None Provided. Reporting format to be agreed in writing with the Agency	
Groundwater	None Provided. Reporting format to be agreed in writing with the Agency.	
Landfill Gas	None Provided. Reporting format to be agreed in writing with the Agency.	
Waste/Raw Material Return	R1	25/04/03
Waste Summary	WMS1	25/04/03
Landfill Body	None provided. Reporting format to be agreed in writing with the Agency.	

Schedule 3 - Form W1

Releases to Controlled Waters

Operator: Biffa Waste Services Limited

Permitted Installation: Colnbrook Landfill, Sutton Lane, Slough, Berkshire, SL3 8AB

Results for month.....

Reporting Form W1		
Substance	Measured Release	Emission limit
Suspended solids mg/l (measured after drying at 105°C)		-
Visible oil and/or grease		-
Ammoniacal Nitrogen		-
Chloride		-
Sulphate		-

Schedule 3 – Form R1

Waste/Raw Material Return

Return for Year.....

Operator: Biffa Waste Services Limited

Permitted Installation: Colnbrook Landfill, Sutton Lane, Slough, Berkshire, SL3 8AB

Reporting Form R1			
Parameter	Raw Materials Used	Quantity Used on Permitted Installation	Quantity to Waste
Clay (cubic metres or tonnes)			
HDPE Pipework (tonnes)			
Gravel/Aggregate (tonnes)			
Water (litres)			

Reporting Form R1, Part B: Wastes leaving permitted installation for DISPOSAL			
Waste Description	Site	County	Tonnes

Reporting Form R1, Part C: Wastes leaving permitted installation for RECYCLING/RECLAMATION			
Waste Description	Site	County	Tonnes

Schedule 3 – Form WS1

Waste Summary Return – Separate Sheet

Schedule 4 - Reporting of performance data

Data required to be recorded and reported by Condition 2.7.1.

Table S4.1: Energy consumption

	Delivered, MWh	Primary, MWh	% of total
Electricity*			
Gas			
Oil			
Other			

*specify conversion factor of primary source to delivered energy

Schedule 5 - Site Plan

"Reproduced from the Ordnance Survey map with the permission of the Controller of Her Majesty's Stationery Office ©Crown Copyright 2000. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings."

Site Plan Figure 2 dated May 2003

END OF PERMIT



ENVIRONMENTAL PROTECTION ACT 1990
SECTION 43

WASTE MANAGEMENT LICENCE
NOTICE OF MODIFICATION

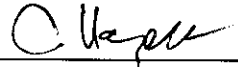
LICENCE REF No: WDA 193M (EAWML 83085)	FACILITY TYPE: Landfill
LICENCE HOLDER: S Grndon (Waste) Ltd. Lakeside Road Colnbrook Slough SL3 0EG	LICENSED FACILITY: Area 22 Tanhouse Landfill A4 Colnbrook Bypass Colnbrook Slough SL3 0EG
Company Reg No: 503618	

WHEREAS on the 24th July 1989 Buckinghamshire County Council issued a waste disposal licence (now to be treated as a waste management licence) in pursuance of its powers under Part 1 of the Control of Pollution Act 1974 for the above named facility to you.

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 ("the Agency") by virtue of section 2 of the Environment Act 1995

AND WHEREAS on the 30th May 1991, 31st March 1994 and 17th May 1994 the licence was subject to modification

NOTICE IS HEREBY GIVEN that the Agency modifies the conditions of the said licence in accordance with Section 37(1)(b) of the Environmental Protection Act 1990 and as set out in the Schedule attached to this notice.

Signed 

Name: Chris Hazelton
Environment Management Team Leader
Section 1 (Berks. & Hants.)

Dated: 22nd September 2003

This modification shall take effect on 23rd September 2003 at 00.01 hours



SCHEDULE – CONDITIONS RELATING TO THIS MODIFICATION

Modification of conditions under section 37 (1) (b) as follows:

Delete existing condition 18

Add new condition 18

18 . A scheme for the abstraction and treatment of leachate from any part of the site shall be submitted to the Environment Agency within 3 months of the date of this modification and agreed in writing by the Environment Agency. This scheme shall include, by reference to Ordnance Datum, the point at which leachate abstraction shall commence and the proposed method of treatment or disposal. The standing level of leachate in any cell shall not exceed the trigger level of 15.74m AOD. The control level at which leachate abstraction shall commence referred to in this condition, shall be 14.74m AOD.

EXPLANATORY NOTES - including rights of appeal.

RIGHTS OF APPEAL

Section 43(1) of the Environmental Protection Act 1990 provides that:

Where, except in pursuance of a direction given by the Secretary of State, the conditions of a licence are modified, the licence holder may appeal from the decision to the Secretary of State.

Therefore, if you feel aggrieved by the decision detailed on the attached notice, you may obtain the appropriate form on which to give written notice of an appeal from :-

The Planning Inspectorate
Room 4/19 Eagle Wing
Temple Quay House
2 The Square
Temple Quay
Bristol
BS1 6PN

Tel: 0117 372 8812
Fax: 0117 372 6093

This notice of appeal should be accompanied by the following information:

- A statement of the grounds of appeal;
- A copy of any application to modify the licence
- A copy of the licence;
- A copy of any correspondence relevant to the appeal;

A copy of any other document relevant to the appeal including, in particular, any relevant consent, determination, notice, planning permission, established use certificate or certificate of lawful use or development and

A statement indicating whether you wish the appeal to be in the form of a hearing or on the basis of written representations.

You are also required to serve a copy of your notice of appeal, together with copies of any the above documents that have accompanied your notice of appeal, on the Environment Agency (at the address overleaf). You should appeal within 6 months of the date that this notice takes effect but the Secretary of State may allow notice of appeal to be given after the expiry of this time period.



BUCKINGHAMSHIRE COUNTY COUNCIL

**CONTROL OF POLLUTION ACT 1974 -
PART 1. (Waste on Land)**

DISPOSAL LICENCE

NO. :WDA/283

DATES OF LICENCE MODIFICATIONS	
1. <u>14.9.90</u>	6. _____
2. <u>3.7.91</u>	7. _____
3. <u>5.3.92</u>	8. _____
4. <u>16.11.93</u>	9. _____
5. _____	10. _____

Buckinghamshire County Council,
Waste Disposal Unit,
County Engineer's Dept.,
5th Floor,
County Hall,
Aylesbury,
Bucks. HP20 1UY

Telephone: Aylesbury 395000

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act 1974

Part 1 - Waste On Land

IN PURSUANCE of its powers under the Control of Pollution Act 1974, the Buckinghamshire County Council, being the Waste Disposal Authority for the County of Buckinghamshire, hereby grants a Disposal Licence to:

HALL AGGREGATES ^{(South East) Ltd} (THAMES VALLEY) LTD, RMC HOUSE, ^{High Street, Feltham,} LAVENDER
^{Middlesex, TW 13 4HA}
~~PARK ROAD, WEST BYFLEET, SURREY KT14 6LZ~~

For the disposal of controlled waste on land at:

COLNBROOK LANDFILL, SUTTON LANE, COLNBROOK, BUCKS

shown edged red on the plan attached hereto, the subject of Planning Permission SBD/916/81 dated 10 January 1983.

The method of disposal to be by the technique known as:

LANDFILL

Subject to the following conditions:

1. No deposit of waste shall take place unless previously a working plan, giving details of the proposed conduct of operations at the site has been submitted to the Waste Disposal Authority and the licence holder shall notify the Waste Disposal Authority of any proposed change in the actual conduct of operations from the proposals shown in the plan, as altered by any previously notified changes at least one month before the proposed change is implemented, unless otherwise agreed.

- ~~2. The following types of waste may be deposited at the site but shall not exceed the quantities stated:~~

(a) Commercial Wastes as defined in Section 30 of the Control of Pollution Act 1974 and in Schedule 4 of the Collection and Disposal of Waste Regulations 1988;

(b) Industrial Wastes as defined in Section 30 of the Control of Pollution Act 1974 and in Schedule 3 of the Collection and Disposal of Waste Regulations 1988;

provided that the source of the waste is from the following categories:

Commercial Waste

(i) All waste types
(Classified as Type C1) 300 cubic metres/day

Industrial Waste

(i) Waste arising from tunnelling or from any other excavation.
(Classified as Type A) 1000 cubic metres/day

(ii) Waste arising from works of construction or demolition, including waste arising from work preparatory thereto.
(Classified as Type A). 1000 cubic metres/week

(iii) Waste, defined as industrial waste, from sources other than (i) and (ii) above. (Subject to condition 4).
(Classified as Type B1) 550 cubic metres/day

and shall consist of clean dry materials from the list detailed in Appendix 1.

~~The total volume of waste deposited in any day shall not exceed~~

~~1500 cubic metres.~~

Insert new Condition 2 (amended 17-9-90)

3. The following types of difficult waste may be deposited at the site but shall not exceed the quantities stated:

<u>Group Code</u>	<u>Waste</u>	<u>Type of cubic metres/day</u>	<u>Quantity</u>
E10	Non-toxic compounds of iron		6
E90	Other non-toxic metal compounds		6
J20	Slag (non-toxic)		6
J60	Metal scrap		60
L20	Plastic scrap (manufacturing and finished product)		60
L30	Rubber scrap (including tyres)		6
L50	Synthetic adhesive waste		6
L60	Ion exchange resin waste		6
N11	Cosmetic products in retail containers (excluding aerosols))	
N13	Cosmetic products in bulk and production containers (excluding aerosols))	6
Q10	Used filter materials		6
Q20	Contaminated rubbish		18
Q30	Empty used containers		6
R70	Tar, pitch and bitumen waste		6
R80	Paint waste (solid)		6
S50	Soap and other stearates		6

The site may only accept waste in this category provided that the average daily deposit rate of other wastes has exceeded 200 cubic metres per day, or as otherwise agreed in writing by the Waste Disposal Authority.

4. The deposit of the following types of waste shall be prohibited:
- (i) Any category of waste or type of waste not listed above or in Appendix 1.

- (ii) Any sewage or sewage sludge other than sewage sludge deposited onto land for agricultural purposes.
- (iii) Any clinical waste.
- (iv) Any liquid waste, other than the re-absorption of leachate generated within the site.
- (v) Any waste with a flash point below 40°C unless specially agreed in writing with the Waste Disposal Authority.
- (vi) Any waste which either in itself or in conjunction with any other material already deposited is likely to give rise to danger by fire or explosion or by the release of dangerous fumes or gases.
- (vii) Any waste subject to the Control of Pollution (Special Waste) Regulations 1980.
- (viii) Any contaminated soils or materials excavated from sources where contamination is to be expected, unless previously agreed in writing with the Waste Disposal Authority. Soil shall be treated as being contaminated if the concentration of any element or compound exceeds its maximum normal concentration range in soil. (Ref: Kelly RT (1979) "Site Investigation and Material Problems"; Society of Chemical Industry).

9.3.92 Insert 4(ix) Any putrescible household wastes as would normally be collected by the Waste Collection Authority.

Site Preparation and Works

5. No deposit of waste shall take place unless a road has first been provided within the site. This shall be constructed and shall, as a

minimum, run from the site entrance to the wheel cleaning facility as detailed in the Working Plan Ref: LS/CO/4. It shall have a hard surface of concrete and be capable of being swept and taking loaded commercial vehicles without deformation. The constructed road shall be not less than 100 metres in length. It shall be inspected daily and maintained. Any damage shall be repaired without undue delay or within twenty-eight days if so requested by an authorised officer of the Waste Disposal Authority.

6. No deposit of waste shall take place unless a suitable wheel-cleaning facility has been provided to a specification and at a location as detailed in the working plan. It shall be properly maintained and used. Except during dry weather all vehicles using the site shall be directed to use the wheel cleaning facilities provided. If mud is nevertheless deposited on the highway it shall be cleared with the minimum of delay and in any event the highway shall be inspected and cleaned as necessary during and at the end of each working day.
7. No deposit of waste shall take place unless a site control office has been provided at a location detailed in the working plan. All vehicles shall report to the site control office before discharging their load.
8. No deposit shall take place unless a site identification board of durable material and finish has been displayed at the site entrance. It shall provide information in accordance with Diagram 2 of the Statement of Intent.

The lettering used shall be a minimum of 2.5 cms (1 inch) in height.

The identification board shall be maintained in a legible condition.

9. No deposit of waste shall take place unless tanks used for the storage of polluting liquid including fuel oil have been situated on an impermeable base and surrounded by a bund wall. The capacity of the bund shall be not less than 110% of the volume of the tanks. All draw and fill pipes shall be within the curtilage of the bund. All tanks shall be labelled to show their contents.
10. No deposit of waste shall take place into any part of the site, other than designated floodplain as shown on Plan LS/C0/1, unless it has been engineered, in accordance with a scheme detailed in the working plan, to minimise the ingress of ground water or egress of leachate. The lining of each cell shall at all times be in accordance with the following criteria:
- (i) The minimum thickness of the side walls, measured normal to the surface of the seal, shall not be less than two metres.
 - (ii) The minimum crest width of the side walls shall be two metres.
 - (iii) The base of any cell shall consist of not less than three metres of in situ basal clay.
 - (iv) The permeability of any in situ or recompacted clay forming the lining (side walls and base) of the site shall not exceed 1×10^{-7} cm/sec.
 - (v) The side walls shall be keyed into the basal clay to a minimum depth of one metre.
 - (vi) The side walls of any cell shall remain stable at all times.

11. No deposit of waste shall take place into any cell unless the specific approval, in writing, to commence infilling that cell has been given by the Waste Disposal Authority. Approval will not be given unless the licence holder can demonstrate, by detailed written submission, that the following minimum level of control has been achieved for the engineering operation.

- (i) Before work commences representative samples of the materials proposed for the lining or capping of the site shall be tested in an approved soils laboratory to ensure that it is capable of obtaining a permeability upon recompaction of not greater than that required by Condition 10. Not less than one sample per 5,000 square metres surface area of each cell shall be tested for each materially different clay proposed to line or cap the site. From these results a specification shall be prepared for each material proposed to be used for lining or capping the cell to achieve the requirements of Condition 10.

This shall relate as a minimum to:

- (a) The thickness of each layer of recompacted clay.
- (b) The moisture content at which the clay is to be worked (not usually outside the range of 2% below or 5% above the plastic limit).
- (c) The dry density and maximum air voids to be achieved (not above 5% air voids).

- (d) The type of equipment required to achieve the necessary compactive effort.
- (e) The number of passes of the equipment required.
- (f) The daily testing of the current working area for compliance, which should as a minimum include in situ bulk density, moisture content, remoulded shear strength and at a lesser but specified frequency permeability.
- (g) The level of supervision (a competent engineer will be required).

The specification shall be agreed with the Waste Disposal Authority before lining work commences.

- (ii) Upon completion of engineering works for each cell, not less than one permeability test per 5,000 square metres surface area of each cell shall be carried out on the recompacted clay liner to confirm that the permeability required by Condition 10 has been achieved. The results of all tests carried out during or after completion of the works shall be forwarded to the Waste Disposal Authority before approval to commence infilling the cell is sought.

In the event that the measured permeability of any sample taken from the recompacted clay is in excess of the maximum permeability allowed by Condition 10, the liner shall be reworked and resampled until the necessary maximum permeability is achieved.

Moisture content, dry density and Atterberg limits (Liquid and Plastic Limits) shall be measured in accordance with BS1377:1975 and permeabilities by the falling head method (Manual of Soil Testing : K.H. Head Vol. 3).

12. No deposit shall take place in any cell until it has been dewatered to the satisfaction of and in a manner specifically approved by the Waste Disposal Authority. No discharge of clean or contaminated water to any land, lake or watercourse shall be made without a formal consent from Thames Water Authority. No discharge shall be made from any cell other than with the specific written agreement of the Waste Disposal Authority.

13. No deposit of waste, other than clean, naturally occurring excavated material, shall be made in areas designated as floodplain as shown on plan LS/CO/1.


14. No deposit of waste, other than as required by condition 13, shall be made unless each phase of the site has been divided into cells as detailed in the working plan. The design of each cell shall have due regard to the rate of infill and will ensure that the cell will be filled and sealed before the deposited waste reaches field capacity. The base of each cell shall be graded towards its centre and channels of not less than 0.3 metre width, constructed of suitable drainage material, placed on the base of the cell radiating from the lowest point.

15. No deposit shall take place, other than as required by condition 13, until the area of the site to be filled has been divided into hydraulically independent areas and a leachate monitoring well constructed in each

add new condition as MOD dated 15.11.93

area. Each well shall be seated on approved in situ clays at the lowest point of the cell and constructed of 1 metre diameter perforated concrete rings surrounded by 1 metre of clean hardcore. The height of the well shall be increased to keep it above the height of the fill and shall be adequately protected against unauthorised access. The well shall be reduced in diameter as it passes through the clay cap, overburden, subsoils and top soils, with a suitable taper ring and shall be imperforate through these layers. It shall be protected against surface water penetration by sealing with clay to final ground level and shall be finished with manhole cover and frame.

16. No deposit of waste shall be made in Phase 2 of the site as shown in Plan LS/CO/1 unless a clay sealing trench has been constructed in accordance with the details in the working plan and Plan Ref: LS/CO/6 between points A and D on the Plan.
17. No deposit of waste shall be made until lined boreholes have been provided adjacent to the site for monitoring the ground water. A minimum of eight boreholes shall be provided at locations as shown on Plan Ref: LS/CO/5 as detailed in the working plan. The boreholes shall be constructed to a specification as detailed in the working plan but shall as a minimum extend one metre into the basal clay; have a liner with an internal diameter of four inches and have at least ten per cent open slot. The boreholes shall be maintained in good working order. Access to the boreholes shall be maintained to enable an authorised officer of the Waste Disposal Authority to sample on a routine basis.
18. No deposit of waste shall be made until landfill gas migration monitoring boreholes have been provided. The boreholes shall be provided at



locations as shown on Plan Ref: LS/CO/5 and as detailed in the working plan. The boreholes shall be constructed to a specification as detailed in the working plan but shall as a minimum extend half a metre into the basal clay; have an internal diameter of two inches; and have at least ten per cent open slot. The boreholes and access thereto shall be maintained to enable sampling on a routine basis.

19. No deposit of waste shall take place until surface drainage water from surrounding higher land has been diverted from the site.

20. No deposit shall take place until suitable facilities have been provided for storing and maintaining equipment used on the site.

21. No deposit of waste shall take place unless subsidiary site roads have been provided as follows:

(a) Spine road

(b) Other roads to the tipping face

These shall be regularly inspected and maintained to ensure the independent passage of vehicles without damage to the understructure; they will be reasonably level and free from deep depression and items obviously liable to damage tyres.

22. No deposit shall take place unless sufficient screens or other apparatus has been provided at locations as detailed in the working plan, to prevent paper or other material from being blown by the wind away from the site. Any such paper, or other materials which have been blown from the site or from vehicles using the site shall, with the minimum delay, be collected and returned to the site.

23. No deposit shall take place until gates and perimeter fencing have been provided as detailed in the working plan. They shall be regularly inspected and maintained. Any damage shall be repaired without undue delay or within fourteen days if so requested by an authorised officer of the Waste Disposal Authority. All reasonable precautions shall be taken to prevent unauthorised access to the site.
24. No deposit of commercial waste or putrescible industrial waste shall take place unless efficient bird (gull) deterrent measures are in operation in accordance with a scheme detailed in the working plan. The scheme shall be agreed, before implementation, with the Waste Disposal Authority. A record shall be kept, on a daily basis, of the bird deterrent measures utilised on site and their effectiveness. The record shall include the total number of gulls attracted to the site each day. The records shall be maintained on site and made available upon request by any authorised officer of the Waste Disposal Authority.
25. No deposit shall take place other than during daylight, unless suitable lighting is provided. The site shall only be operative during the following hours:
- Weekdays 0730 to 1730
- Saturdays 0730 to 1230
- Sundays and Bank Holidays normally closed unless specifically agreed by the Waste Disposal Authority.

Site Operation

26. The site shall be adequately manned and supervised during work hours. When staff are not available the site shall be adequately secured to

prevent the unauthorised deposit of waste. If unauthorised wastes are nevertheless deposited they shall be examined by a competent person and if it appears that any of it consists of a material not allowed by Conditions 2 or 3, the Waste Disposal Authority shall be immediately informed by telephone. All such action as the Authority may require to dispose safely of such material shall be taken.

27. Solid waste shall be compacted and formed into a layer as soon as possible after deposit and not later than at the end of the working day on which the waste is received. The depth of a layer of waste shall not, after initial compaction, exceed 2.5 metres (8 feet).
28. The layer of waste shall be formed in one or other of the ways described in Condition 29 below, using suitable compaction equipment with a blade or some other appropriate levelling device.
29. Waste shall either (a) be deposited on the surface of the site behind the face and partially compacted by a tractor or other compacting machine before being pushed over the face or it shall (b) be deposited on the ground forming the base of the site, or on a previous covered layer in front of the face and shall be formed into a compacted layer by being pushed upwards and driven over by a tractor or other compacting machine.
30. Before covering, working faces and flanks shall be compacted to form gradients not steeper than 1 in 3 by driving a tractor up and down.
31. Waste deposited other than that which is wholly non-putrescible shall, subject to the traction needs of vehicles operating at the working face,

be covered progressively with suitable non-putrescible or stabilised material throughout the working period each day, so that by the end of the working day exposed surfaces, including the flanks, shall have been covered to a depth of not less than 15 cms (6 inches). The face shall also be compacted, graded and so covered at the end of the working week.

32. All necessary action shall be taken to ensure that an adequate supply of suitable covering material is maintained. The supply shall constitute at least 15% by volume of the solid waste input.
33. Before any waste is deposited a stockpile of covering material (either imported or pre-dug) equivalent to one week's requirement shall be established and maintained in an appropriate position on the site for use as a buffer stock.
34. All large articles such as crates and hollow containers likely to cause voids shall be crushed, broken up or flattened and covered each day by other wastes in such a position that they are not within 1 metre (3 feet) of the surface or 2 metres (6 feet) of the flanks or face.
35. Waste other than inert material shall not be deposited in water.
36. The site shall be maintained in a tidy condition; tins, hollow vessels or other loose debris shall not be left lying on or about the site or the access thereto, or against screens and fences and shall be removed not less frequently than once each week and disposed of in a suitable manner.

37. The standing level of leachate in any cell shall at no time exceed 2 metres in depth. Excess leachate produced shall be collected in a lagoon, constructed to a similar standard as that required by Conditions 10 and 11, at a location as detailed in Plan LS/CO/6 and as detailed in the working plan. It shall be held so as to cause no contamination of clean surface water or groundwater and shall be treated and/or disposed of at all times in accordance with a scheme detailed in the working plan. A record shall be kept of the quantities collected and disposed of. The discharge of any leachate or contaminated surface water from the site shall be prohibited unless in accordance with a National Rivers Authority (Thames Region) consent. *Add new condition as MOO dated 15.11.92*
38. No waste material shall be burnt within the boundaries of the site. A fire at the site shall be regarded as an emergency and immediate action shall be taken to extinguish it. All outbreaks of fire shall be notified forthwith to the Waste Disposal Authority.
39. Precautions shall be taken to deal effectively with any vermin and insects on the site. The entire site shall be inspected as routine and disinfection measures applied as necessary. A record shall be kept at the site of such measures.
40. Site roads shall in dry weather be sprayed with water, or other suitable chemicals in accordance with the working plan, to suppress dust.
41. Rubber waste shall not be concentrated in any one part of the landfill and not more than one vehicle load shall be deposited in any one place.

42. Material once deposited in the landfill and covered shall not be disturbed or picked over, except with the consent in writing of the Waste Disposal Authority.
43. Each layer of waste and covering material shall be laid to a fall to encourage surface water run-off.
44. Until final restoration, completed areas of the landfill shall be graded and maintained in a tidy condition and, where necessary, action shall be taken to control or destroy weeds.
45. The final layer deposited shall be kept free of materials likely to interfere with the capping operations. The site shall then be progressively capped with clay to a depth on compaction of not less than one metre to achieve a maximum permeability of 1×10^{-7} cm/sec. The cap shall be applied in accordance with the Specification as required by Condition 11(i). Permeability measurements shall be carried out randomly over the cap at a sampling density of one sample per 5,000 square metres of cap. The cap shall be sealed into the clay walls along their whole length and shall be capable of minimising the ingress of rainfall. It shall be protected from excessive drying or cracking by covering with sub-soils as soon as practicable after its construction. The cap should be applied as soon as possible after the completion of infilling in any cell and in any event within 6 months of that date.
46. Gulls shall not be allowed to settle on site. In the event that bird deterrent measures become ineffective any areas of the site remaining uncovered shall be immediately covered with suitable inert material and the deposit of putrescible material shall cease. The effectiveness of

bird deterrent measure shall be regularly reviewed and improved alternative measures implemented if necessary. Any proposed changes shall be agreed with the Waste Disposal Authority before implementation and incorporated in the working plan.

47. Leachate wells shall be inspected monthly and the liquid level measured and recorded. A record of the measured level shall be maintained in a site register and shall be available for inspection by any authorised officer of the Waste Disposal Authority upon request. A tabulated summary of recorded levels shall be forwarded to the Waste Disposal Authority, of measurements taken from the wells, during January each year. These measurements shall be related to Ordnance Datum or as may otherwise be agreed with the Waste Disposal Authority. The contents of the wells shall be sampled and analysed in accordance with a schedule detailed in the working plan and the results forwarded to the Waste Disposal Authority without undue delay.

48. Water monitoring boreholes shall be sampled and analysed in accordance with a scheme detailed in the working plan. This shall provide, as a minimum, for monthly monitoring. Results of analyses undertaken shall be forwarded to the Waste Disposal Authority without undue delay. Analyses undertaken on site shall be forwarded within twenty one days of sampling and laboratory analyses as soon as they are available, but in any event within sixty days of sampling.

~~49. Precautions shall be taken to deal effectively with any landfill gas that may be produced on the site. Landfill gas shall not be allowed to migrate from the site, or from within the sphere of influence of any gas control system for the site, at concentrations in excess of 1% flammable~~

~~gas (methane) or 0.5% carbon dioxide as measured in any subsurface probe or borehole. The presence of the constituent gases of landfill gas in the surrounding land, prior to the infilling with waste, shall be notified to the Waste Disposal Authority and shall be taken into account when determining the efficiency of daily landfill gas control measures adopted on site.~~

Insert new Condition 49 (amended 9.3.92)

50. Landfill gas monitoring boreholes shall be sampled at least once every month in accordance with a scheme detailed in the working plan. Boreholes at fifty metre spacings shall be sampled at weekly intervals when infilling approaches within 250 metres of the boreholes. Measurements shall be taken of methane (expressed as the percentage of the lower explosive limit or percentage methane as applicable) and carbon dioxide (expressed as percentage) and the results recorded. The results of each monitoring exercise shall be forwarded to the Waste Disposal Authority within seven working days following each such exercise or as may otherwise be agreed with the Waste Disposal Authority and detailed in the Working Plan.
51. If objectionable odours arising from the operation of the site become detectable beyond the site boundaries, the licence holder shall take immediate action to reduce these odour emissions to a level where the loss of amenity caused is eliminated.
52. A record shall be kept of the types, quantities and source (District for Shire Counties or Borough for Metropolitan Counties) of waste deposited. A quarterly return shall be made to the Waste Disposal Authority for each of the three month periods commencing January, April, July and October of each year. A return consisting of a summary of recorded

Information shall be submitted within 28 days of the last day of the respective period and shall provide the following information expressed in terms of the weight in tonnes or volume in cubic metres on forms as detailed in Appendix 1.

Waste input categorised by District/Borough as follows:

Inert Waste (Type A)

Industrial Waste (Type B1)

Commercial Waste (Type C1)

Difficult Waste (Type R) including details by DoE Code on a separate sheet

Insert new Condition 52 (amended 9.3.92)

53. The terms of the Disposal Licence shall be made known to any person who is given responsibility for the management or control of the site and a copy of this licence and the working plan shall be displayed at the site control office.
54. The operator shall provide free of charge any samples or analysis of any solid, liquid or gaseous substance applicable to the site or disposal operation which the Waste Disposal Authority may reasonably request.
55. Not less than 14 days notice shall be given to the Waste Disposal Authority of the date on which landfilling is to commence or recommence in the event of a temporary cessation for a period in excess of three months.
56. Any temporary cessation of operation, for a period in excess of three months, shall be notified to the Waste Disposal Authority.

57. All necessary action shall be taken, in accordance with Health and Safety Executive Guidance Note GS 6, to ensure that the proximity of overhead electric lines presents no hazard.

DATED THIS *Fifteenth*

DAY OF *November* 1989

County Hall
Aylesbury
Bucks

W.A. Slatel
.....
County Engineer for the
Buckinghamshire County Council

WASTE CATEGORIES**Solid Inert Waste**

Material which either does not decompose or decomposes only very slowly. It consists of clean, dry materials from the following list which are not mixed with other materials.

- Subsoil
- Topsoil
- Hardcore
- Brickwork
- Stone
- Concrete
- Clay, chalk, gravel, hassocks, ragstone
- Plaster
- Ash, Clinker (excluding incinerator residues)
- Coal, Coke
- Sand (including clean foundry and moulding sand)
- Silica
- Cement
- Builder's Rubble
- Excavated Road Metal (well weathered)

Solid Degradable Waste

Material which may decompose slowly, but is only slightly soluble in water. It consists of clean, dry materials from the following list which are not mixed with other materials.

- Wood (including sawdust)
- Paper (including oiled and tarred paper)
- Cardboard and Fibreboard
- Wood products (hardboard, chipboard etc)
- Plastics (including thermoplastics and thermosetting plastic)
- Plasterboard
- Glass, Pottery, China, Enamels, Ceramics, Mica and abrasives
- Metal (iron, steel, aluminium, brass, copper, tin, zinc, gold) (other than swarf or dust)
- Leather (excluding leather processing waste)
- Wool, cotton linen, hemp, sisal, hessian, string, rope, and other natural or man-made fibre (excluding asbestos)
- Cork, ebonite, kapok
- Trees, bushes
- Garden and horticultural waste (excluding chemicals or liquids)
- Shot blasting residues
- Slag
- Boiler scale
- Carbon, kieselguhr, diatomaceous earth
- Oxides of iron, magnesium, zinc, aluminium, copper and titanium
- Hydroxides of iron and calcium
- Calcium carbonate, calcium sulphate

Solid Putrescible Waste

Material which may decompose and may consist in part of soluble matter which could cause pollution if allowed to enter ground or surface water systems. It consists of dry materials from the following list which do not contain a hazardous quantity or hazardous concentration of any poisonous, noxious or polluting substance.

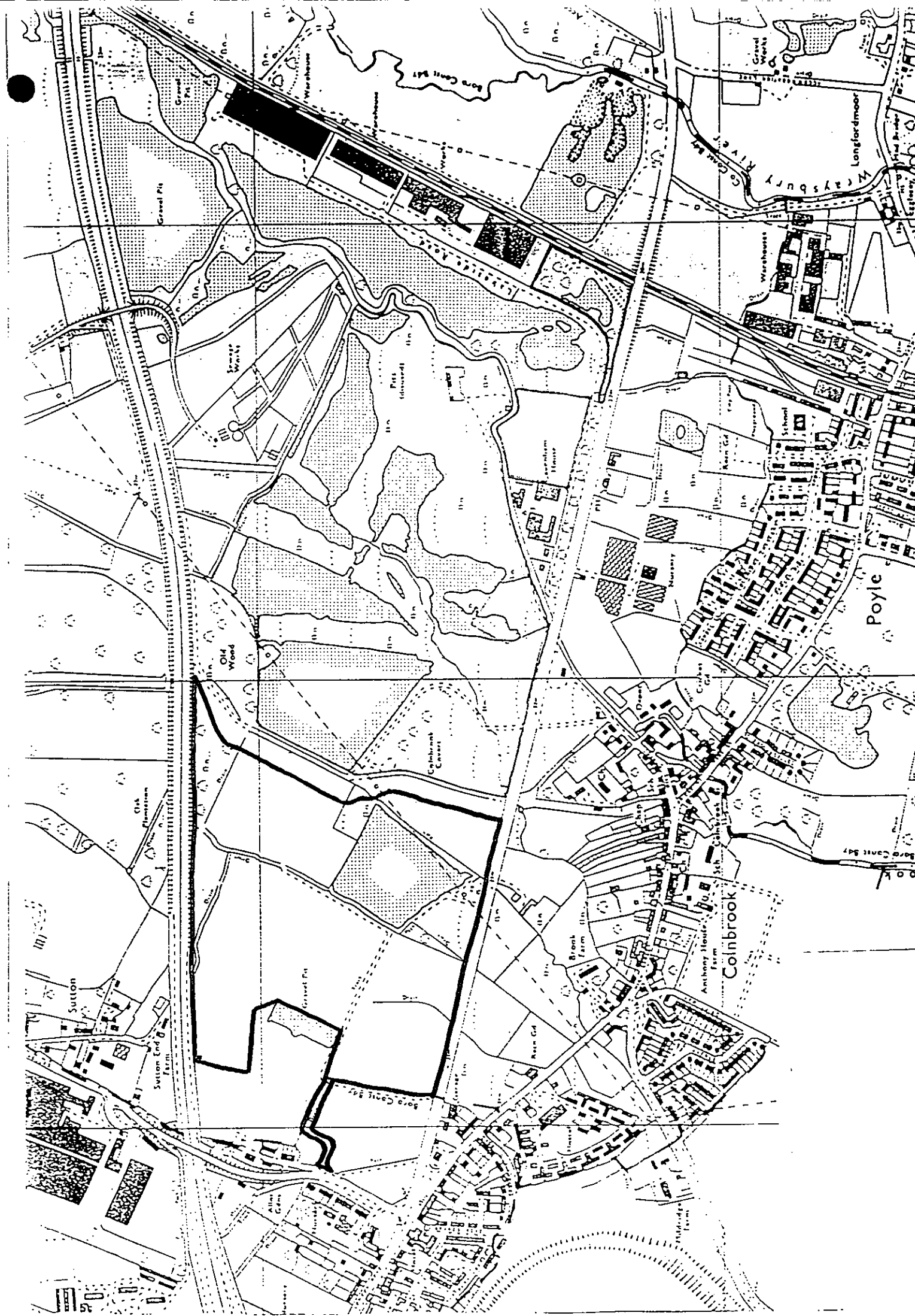
- Empty containers (metal, glass, plastic, paper, sacks, etc.)
- Floor sweepings (free from toxic substances)
- Machinery
- Electrical fittings, fixtures and appliances
- Rubber and latex
- Supermarket waste
- Metal in particulate form (e.g. swarf, dust etc)
- Soap or other stearates (excluding toxic metal stearates)
- Non-toxic adhesive wastes in solidified form
- Ion exchange resin waste
- Grinding sludge and dust
- Dye stuff wastes (non toxic materials only)
- Solidified paint wastes (i.e. in dried and denatured form)
- Paper mill wastes
- Contaminated soils (with specific approval of Waste Disposal Authority)

PREFERRED FORMAT OF WASTE INPUT RECORDS

TYPE A		TYPE B			TYPE C			TYPE D	TYPE P	TYPE Q	TYPE R
INERT (eg soil, hardcore)		GENERAL NON-PUTRESCIBLE			GENERAL PUTRESCIBLE			LIQUIDS (GENERAL)	SPECIAL SOLID	SPECIAL LIQUID	"OTHER"
	(2)	B1 COMMERCIAL INDUSTRIAL	B2 CIVIC AMENITY	C1 COMMERCIAL INDUSTRIAL	C2 CIVIC AMENITY	C3 REFUSE	(8)	(9)	(10)	(11)	
BOROUGH, DISTRICT	(1)										

Notes:

- Column 1: Best endeavours will be used to obtain information from hauliers.
- Columns 2-7: Standards agreed by the East Anglian Waste Disposal Engineer's Group and a number of private companies.
- Columns 8-11: Additional information as required by the Disposal Licence.



CONTROL OF POLLUTION ACT 1974
Section 7

Notice of Modification of Waste Disposal Licence Conditions

To Hall Aggregates (Thames Valley) Ltd

RMC House, Lavender Park Road,

West Byfleet, Surrey, KT14 6LZ

WHEREAS on 15 November 1989 you were granted a Waste Disposal Licence by the* Buckinghamshire County Council relating to Colnbrook Landfill, Sutton Lane, Colnbrook, Bucks.
subject to the conditions set out therein

[AND WHEREAS on 12 July 1990 you made application for the said conditions to be modified]

NOTICE is HEREBY GIVEN that the* Buckinghamshire County Council (hereafter called "the Authority") modifies the said conditions as follows:—

WDA 283

Delete Condition 2

Insert New Condition 2 as per attached schedule dated 14 September 1990

amended 4.7.91

Such modification shall take effect on † 17 September 1990 at 00.01 .

~~AND the application of the Authority is necessary for the purpose of preventing pollution of water or damage to public health that Section 10 (2) of the Control of Pollution Act 1974 should not apply to~~

DATED 14th September 1990. (Signed) W.A. Shetel
(Designation) County Engineer

(Address of Authority) County Hall, Aylesbury, Bucks. HP20 1UY

N.B.—The person served with this notice may appeal against the authority's decision to the Secretary of State within six months or such longer period as the Secretary of State may allow. (See notes overleaf.)

[The person on whom this notice is served may also make application to the Secretary of State for a ruling as to whether the Authority has acted reasonably in including the above statement as to the non-application of section 10 (2) of the Act. See notes overleaf.]†

* Insert name of Authority, as appropriate.

‡ Insert date and time when modification takes effect.

† These paragraphs should be included if it is intended that the decision shall have effect even when an appeal is pending.

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act 1974

SECTION 7

Schedule to Disposal Licence WDA 283

Colnbrook Landfill, Sutton Lane, Colnbrook, Bucks

Modification of Licence Condition

New Condition

2. The following types of waste may be deposited at the site but shall not exceed the quantities stated:

(a) Commercial Wastes as defined in Section 30 of the Control of Pollution Act 1974 and in Schedule 4 of the Collection and Disposal of Waste Regulations 1988;

(b) Industrial Wastes as defined in Section 30 of the Control of Pollution Act 1974 and in Schedule 3 of the Collection and Disposal of Waste Regulations 1988;

provided that the source of the waste is from the following categories:

Commercial Waste

(i) All waste types
(Classified as Type C1) 300 cubic metres/day

Industrial Waste

(i) Waste arising from tunnelling or from any other excavation.
(Classified as Type A) 1500 cubic metres/day

(ii) Waste arising from works of construction or demolition, including waste arising from work preparatory thereto. (Classified as Type A). 1500 cubic metres/week

(iii) Waste, defined as industrial waste, from sources other than (i) and (ii) above. (Subject to condition 4). (Classified as Type B1) 550 cubic metres/day

and shall consist of clean dry materials from the list detailed in Appendix 1.

The total volume of waste deposited in any day shall not exceed 2500 cubic metres.

Dated this *Fourteenth* day of *September* 1990

County Hall
Aylesbury
Bucks

W.A. Shuteh
.....
County Engineer for the
Buckinghamshire County Council

CONTROL OF POLLUTION ACT 1974
Section 7

Notice of Modification of Waste Disposal Licence Conditions

To Hall Aggregates (Thames Valley) Ltd

RMC House, Lavender Park Road,

West Byfleet, Surrey, KT14 6LZ

WHEREAS on 15 November 1989 you were granted a Waste Disposal Licence by the* Buckinghamshire County Council relating to Colnbrook Landfill, Sutton Lane, Colnbrook, Bucks.

subject to the conditions set out therein

[AND WHEREAS on 9 May 1991 you made application for the said conditions to be modified]

NOTICE is HEREBY GIVEN that the* Buckinghamshire County Council (hereafter called "the Authority") modifies the said conditions as follows:—

WDA 283

Delete Condition 2

Insert new Condition 2 as per attached schedule dated 3rd July 1991

Amended 9.3.92

Such modification shall take effect on † 4th July 1991

at 00.01

~~IN the opinion of the Authority it is necessary for the purpose of preventing pollution of water or danger to public health that Section 10 (2) of the Control of Pollution Act 1974 shall not apply.~~

DATED *3rd July*

1991 .

(Signed) *W.A. Slatel*

(Designation) *County Engineer*

(Address of Authority) County Hall, Aylesbury, Bucks HP20 1UY

N.B.—The person served with this notice may appeal against the authority's decision to the Secretary of State within six months or such longer period as the Secretary of State may allow. (See notes overleaf.)

[The person on whom this notice is served may also make application to the Secretary of State for a ruling as to whether the Authority has acted reasonably in including the above statement as to the non-application of section 10 (2) of the Act. See notes overleaf.]†

* Insert name of Authority, as appropriate.

† Insert date and time when modification takes effect.

† These paragraphs should be included if it is intended that the decision shall have effect even when an appeal is pending.

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act

SECTION 7

Schedule to Disposal Licence WDA 283

Colnbrook Landfill, Sutton Lane

Modification of Licence Condition

New Condition

2. The following types of waste may be deposited at the site, but shall not exceed the quantities stated:

(a) Industrial wastes as defined in Section 30 of the Control of Pollution Act 1974 and Schedule 3 of the Collection and Disposal of Waste Regulations 1988; provided that the waste arises from the following sources:

(i) waste arising from works of construction or demolition, including waste arising from works preparatory thereto; or

(ii) waste arising from tunnelling or from any other excavation; or

(iii) waste, defined as industrial waste, arising from sources other than (i) and (ii) above, subject to Condition 4;

and provided that the waste consists of clean, dry materials from the list detailed in Appendix A.

(b) Commercial wastes as defined in Section 30 of the Control of Pollution Act 1974 and Schedule 4 of the Collection and Disposal of Waste Regulations 1988;

and provided that the waste consists of clean, dry materials from the list detailed in Appendix A.

The quantity of wastes detailed in (a) and (b) which may be deposited at the facility shall not exceed the maximum quantities detailed below:

(a) Industrial waste arising from (i)...1500 m³ per week

Industrial waste arising from (ii)...1500 m³ per day

Industrial waste arising from (iii)...850 m³ per day

(b) Commercial waste.....500 m³ per day

The total quantity of waste deposited at the facility shall not exceed 2,500 cubic metres per day.

DATED THIS

third

DAY OF

July

1991

SIGNED

W. J. Skelton

.....
County Engineer for the
Buckinghamshire County Council

County Hall
Aylesbury
Bucks

CONTROL OF POLLUTION ACT 1974
Section 7

Notice of Modification of Waste Disposal Licence Conditions

To Hall Aggregates (Thames Valley) Ltd

RMC House, Lavender Park Road

West Byfleet, Surrey KT14 6LZ

WHEREAS on 15th November 19 89 you were granted a Waste Disposal Licence by the* Buckinghamshire County Council relating to landfill at Sutton Lane, Colnbrook, Buckinghamshire subject to the conditions set out therein

[**AND WHEREAS** on 13th January 19 92 you made application for the said conditions to be modified]

NOTICE is HEREBY GIVEN that the* Buckinghamshire County Council (hereafter called "the Authority") modifies the said conditions as follows:—

WDA 283

Delete conditions 2, 49, 52

Add new conditions 2, 4(x), 49, 52 as per attached Schedule dated 5 March 1992

Such modification shall take effect on † 9th March 1992 at 00.00 hours

~~[IN the opinion of the Authority it is necessary for the purpose of preventing pollution of water or danger to public health that Section 10 (2) of the Control of Pollution Act 1974 should not apply.]†~~

DATED 5th March 1992.

(Signed) 

(Designation) ASS. C. ENGINEER

(Address of Authority) County Hall, Aylesbury, Bucks

N.B.—The person served with this notice may appeal against the authority's decision to the Secretary of State within six months or such longer period as the Secretary of State may allow. (See notes overleaf.)

[The person on whom this notice is served may also make application to the Secretary of State for a ruling as to whether the Authority has acted reasonably in including the above statement as to the non-application of section 10 (2) of the Act. See notes overleaf.]†

* Insert name of Authority, as appropriate.

† Insert date and time when modification takes effect.

† These paragraphs should be included if it is intended that the decision shall have effect even when an appeal is pending.

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act

SECTION 7

Schedule to Disposal Licence WDA 283

Colnbrook Landfill, Sutton Lane

Modification of Licence Condition

New Condition

2. The following types of waste may be deposited at the site, but shall not exceed the quantities stated:

(a) Industrial wastes as defined in Section 30 of the Control of Pollution Act 1974 and Schedule 3 of the Collection and Disposal of Waste Regulations 1988; provided that the waste arises from the following sources:

(i) waste arising from works of construction or demolition, including waste arising from works preparatory thereto; or

(ii) waste arising from tunnelling or from any other excavation; or

(iii) waste, defined as industrial waste, arising from sources other than (i) and (ii) above, subject to Condition 4;

and provided that the waste consists of clean, dry materials from the list detailed in Appendix 1.

(b) Commercial wastes as defined in Section 30 of the Control of Pollution Act 1974 and Schedule 4 of the Collection and Disposal of Waste Regulations 1988;

provided that the waste consists of clean, dry materials from the list detailed in Appendix 1.

(c) Household wastes as defined in Section 30 of the Control of Pollution Act 1974 and Schedule 1 of the Collection and Disposal of Waste Regulations 1988; provided that the waste arises from facilities provided in accordance with the Refuse Disposal (Amenity) Act 1978 (Civic Amenity Waste); (see Condition 4(ix) for exclusions)

and provided that the waste consists of clean, dry materials from the list detailed in Appendix 1.

...cont'd

New Condition 2 continued

The quantity of wastes detailed in (a), (b) and (c) which may be deposited at the facility shall not exceed the maximum quantities detailed below:

- Industrial waste arising from (i)....1500 m³ per week
- Industrial waste arising from (ii)...1500 m³ per day
- Industrial waste arising from (iii)...850 m³ per day
- Commercial/Household waste.....850 m³ per day

The total quantity of waste deposited at the facility shall not exceed 2,500 cubic metres per day.

New Sub-Condition

4(ix) Any putrescible household wastes as would normally be collected by the Waste Collection Authority.

New Condition

49. No deposit of waste shall take place unless landfill gas is effectively monitored and controlled, as detailed in the Working Plan, such that landfill gas is not allowed to migrate from the site, or from within the sphere of influence of any gas control system for the site, at concentrations in excess of 1% flammable gas (methane) or 1.5% carbon dioxide as measured in any subsurface borehole or probe. The presence of the constituent gases of landfill gas in the surrounding land, prior to the infilling with waste, shall be notified to the Waste Disposal Authority and shall be taken into account when determining the efficiency of daily landfill gas control measures adopted on site.

...cont'd

New Condition

52. A record shall be kept of the types, quantities and source (District for Shire Counties or Borough for Metropolitan Counties) of waste deposited. A quarterly return shall be made to the Waste Disposal Authority for each of the three month periods commencing January, April, July and October of each year. A return consisting of a summary of recorded information shall be submitted within 28 days of the last day of the respective period and shall provide the following information expressed in terms of weight in tonnes or volume in cubic metres on forms as detailed in Appendix 2.

Waste input characterised by District/Borough as follows:

Inert waste (see Appendix 1) - Type A

Degradable wastes - see Appendix 1:

Industrial/Commercial waste - Type B1

Household (Civic Amenity waste) - Type B2


Putrescible wastes - see Appendix 1:

Industrial/Commercial waste - Type C1

Household (Civic Amenity waste) - Type C2

Difficult waste - Type R (include details by DoE code on a separate sheet).

DATED THIS *fifth* DAY OF *March* 1992

SIGNED 

Ass County Engineer for the
Buckinghamshire County Council

County Hall
Aylesbury
Bucks

CONTROL OF POLLUTION ACT 1974
Section 7

Notice of Modification of Waste Disposal Licence Conditions

To Hall Aggregates (South East) Ltd

RMC House
High Street
Feltham
Middlesex TW13 4HD

WHEREAS on 15 November 1989 you were granted a Waste Disposal Licence by the* Buckinghamshire County Council relating to Colnbrook Landfill, Sutton Lane, Colnbrook, Buckinghamshire subject to the conditions set out therein

[AND WHEREAS on 12 July 1993 you made application for the said conditions to be modified]

NOTICE is HEREBY GIVEN that the* Buckinghamshire County Council (hereafter called "the Authority") modifies the said conditions as follows:—

WDA 283

Delete Conditions 15 and 37.

Insert New Conditions 15 and 37 as per attached schedule dated 15th November 1993

Such modification shall take effect on ‡ 16th November 1993 at 00.01 hrs.

~~IN THE OPINION OF THE AUTHORITY IT IS NECESSARY FOR THE PURPOSE OF PREVENTING POLLUTION OF WATER OR DANGER TO PUBLIC HEALTH THAT SECTION 10 (2) OF THE CONTROL OF POLLUTION ACT 1974 SHOULD NOT APPLY~~

DATED 15th November 1993.

(Signed) 

(Designation) COUNTY WASTE
REGULATION OFFICER

(Address of Authority) County Hall, Aylesbury, Bucks HP20 1UY

N.B.—The person served with this notice may appeal against the authority's decision to the Secretary of State within six months or such longer period as the Secretary of State may allow. (See notes overleaf.)

[The person on whom this notice is served may also make application to the Secretary of State for a ruling as to whether the Authority has acted reasonably in including the above statement as to the non-application of section 10 (2) of the Act. See notes overleaf.]†

* Insert name of Authority, as appropriate.

‡ Insert date and time when modification takes effect.

† These paragraphs should be included if it is intended that the decision shall have effect even when an appeal is pending.

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act 1974

SECTION 7

Schedule to Disposal Licence WDA 283

Colnbrook Landfill, Sutton Lane

Modification of Licence Conditions

New Conditions

15. No deposit of waste shall take place unless leachate monitoring points are located and constructed as detailed in the Working Plan in accordance with the following conditions:
- (i) The site shall be divided into hydraulically independent cells and leachate monitoring wells constructed in each cell.
 - (ii) At least one well in each cell shall be seated on approved in situ clays at the lowest part of the cell and progressively raised in height as infilling progresses.
 - (iii) Changes in the height of each well above base level shall be recorded in the site register of leachate level as required by Condition 47 from the date of issue of the modification.
 - (iv) A summary of the measurements taken, as required by Condition 15 (iii) above, shall be forwarded to the Waste Regulation Authority during January each year.
 - (v) At least one well in each cell shall be constructed with sufficient diameter and surrounded by sufficient free draining material, as detailed in the Working Plan, to allow the representative measurement of leachate level within the cell and to facilitate the effective control of leachate level which shall be achieved by pumping if necessary.
 - (vi) At least two further monitoring wells shall be provided in each cell to demonstrate the effectiveness of the leachate control in each cell.
 - (vii) Leachate wells as required by Condition 15 (v) and (vi) shall be provided in each existing cell within six months of the date of issue of this modification or within three months of the completion of capping for future cells.
 - (viii) All leachate monitoring wells shall be protected against surface water ingress by sealing with clay to final ground level and shall be finished with manhole cover and frame.

Schedule to Disposal Licence WDA 283

- (ix) All leachate monitoring wells shall be protected against unauthorised access and adequately sealed to prevent the escape of landfill gas.
37. No deposit of waste shall take place unless leachate occurring within the facility is controlled in accordance with a scheme detailed in the Working Plan to achieve the following standard:
- (i) Leachate shall not be allowed to accumulate in parts of the site other than those detailed in Condition 10 or designated leachate lagoons engineered in accordance with Conditions 10 and 11 at a location as detailed in Plan LS/CO/6.
 - (ii) Leachate shall not be allowed to contaminate clean surface water.
 - (iii) The depth of leachate in any leachate lagoon shall not exceed two metres.
 - (iv)
 - (a) The standing level of leachate in any well in those parts of the site engineered in accordance with Condition 10 and forming cells Nos 1 and 2, as shown on plan ref CBK/FIG 2 dated 8 July 1993, shall at no time exceed 2.0 metres in depth. Any excess leachate produced shall be removed from the site and treated at the location detailed in the Working Plan.
 - (b) The standing level of leachate in any well in those parts of the site engineered in accordance with Condition 10, but not including cells specified in Condition 37 (iv)(a), shall at all times be at least 2.0 metres below the gravel/London clay interface. Any excess leachate produced shall be removed from the site and treated at the location detailed in the Working Plan.
 - (v) The level of the lowest point on the gravel/London clay interface for each cell shall be determined with reference to ordnance datum and agreed with the Waste Regulation Authority within three months of the date of issue of this modified licence and for future cells before infilling commences.
 - (vi) Precautions shall be taken to prevent ignition of flammable gases if electrical submersible pumps are used for removal of leachate. Pumps and control gear shall be screened and have earth leakage protection within the circuitry.
 - (vii) A record of the quantity of leachate collected and disposed of shall be kept at the site control office and shall be made available for inspection by an authorised officer of the Waste Regulation Authority upon request.

Schedule to Disposal Licence WDA 283

- (viii) The discharge of any water, leachate or contaminated surface water from the site, either directly or indirectly, to any surface water, underground water or sewer shall only be made with the formal agreement of the relevant authority.
- (ix) Leachate levels shall at all times be maintained at a level at least two metres below the working surface of the cell being filled.

DATED this *Fifteenth* day of *November* 1993

SIGNED



.....
County Waste Regulation Officer
for the Buckinghamshire County Council

County Hall
Aylesbury
Buckinghamshire

ENVIRONMENTAL PROTECTION ACT 1990
Sections 37(1)(a) and 37(2)(b)

Notice of modification of Waste Management Licence Conditions

To: **Hall Aggregates (South East) Ltd**
RMC House
High Street
Feltham
Middx TW13 4HD

WHEREAS on 29 September 1993 a Waste Disposal Licence, reference **WDA 283**, was transferred to you by the Buckinghamshire County Council relating to land at:

Sutton Lane
Colnbrook
Bucks

subject to the conditions set out therein;

AND which became a Waste Management Licence for the **keeping and disposal** of waste on **1st May 1994**

NOTICE IS HEREBY GIVEN that the Buckinghamshire County Council (hereinafter called "the Authority") modifies the said conditions as per the attached schedule dated **1995**

Such modification shall take effect on **1st March 1995** at **00.01 hrs.**

DATED 1995 (Signed)
County Waste Regulation Officer
for the Buckinghamshire County Council
County Hall
Aylesbury
Bucks
HP20 1UY

N.B. - The person served with this notice may appeal against the Authority's decision to the Secretary of State within six months or such longer period as the Secretary of State may allow. (See notes overleaf)

BUCKINGHAMSHIRE COUNTY COUNCIL

Environmental Protection Act 1990

SECTION 37

Schedule to Waste Management Licence WDA 283

Sutton Lane, Colnbrook

Modification of Licence Conditions

Delete Condition 1

Insert new Condition 1:

1. A Working Plan shall be prepared and maintained for the facility in accordance with the following requirements:
 - (i) The Working Plan for the facility shall consist only of those documents and plans which have been submitted in accordance with this Condition and the receipt of which has been acknowledged by the Waste Regulation Authority.
 - (ii) The Working Plan shall include those documents and plans submitted as part of the application for this Licence and shall be supplemented by any additional documents and plans requested by the Waste Regulation Authority, until such time as they are removed or replaced by amendments to the Working Plan as detailed in Condition 1(iv) below.
 - (iii) All operations at the facility shall only take place in accordance with procedures detailed in the Working Plan. Such procedures shall accurately describe how the licence holder will achieve the standard of operation as required by the licence conditions.
 - (iv) Details of any proposed change to any part of the Working Plan shall be submitted to the Waste Regulation Authority at least one month before the proposed change is to be implemented at the facility, unless otherwise agreed. Amendments to a Working Plan shall not be implemented unless receipt of the proposal(s) is acknowledged by the Waste Regulation Authority.

Delete Condition 37(vii)

Insert new Condition 37(vii):

37. (vii) A record of the quantity of leachate collected and disposed of shall be kept at the location detailed in the Working Plan and shall be made available for inspection by an authorised officer of the Waste Regulation Authority upon request.

Insert the following new Conditions:

58. The management of the facility shall at all times be in the hands of a technically competent person. A list of all technically competent personnel for the facility shall be submitted to the Waste Regulation Authority within 10 working days of the date of issue of this Modification. The list shall be maintained as part of the Working Plan and the Waste Regulation Authority shall be notified at least 10 working days prior to any amendment to the list.

59. In the event that the licence holder is convicted of a relevant offence as set out in Regulation 3 of the Waste Management Licensing Regulations 1994, the Waste Regulation Authority shall be notified immediately.

60. In accordance with the EC Directive on Protection of Groundwater Against Pollution Caused by Certain Dangerous Substances (80/68/EEC), all technical precautions, as detailed in the Working Plan, shall be taken to prevent the discharge of List I substances into groundwater and to prevent the pollution of groundwater by any substances in List II.

61. Each of the Conditions of this licence here listed -

Condition numbers: 6, 9, 10, 11, 12, 15, 17, 18, 19, 20, 23, 25, 26, 37, 49

shall apply at the time of the deposit of waste and at all other times until a Certificate of Completion is issued by the Waste Regulation Authority for the facility, or the licence expires or otherwise ceases to have effect.

62. Each of the Conditions of this licence here listed -

Condition numbers: 5, 24

shall apply at the time of the deposit of waste and at all other times until such time as the disposal of controlled waste in accordance with this licence has finally ceased and this has been formally notified to and acknowledged by the Waste Regulation Authority in writing.

DATED THIS DAY OF 1995

SIGNED

County Waste Regulation Officer
for the Buckinghamshire County Council
County Hall
Aylesbury
Bucks HP20 1UY

Blanket Modification Sheet

Licence Reference: WDA 283

Name of facility: Sutton Lane, Colubrook

Type of Facility (L/F, T/S, HWRC, S/Y):

Are the following Conditions required in the Modification?

Next Condition Number

1. Technical Competence

Insert number of cross referenced condition

YES NO

58

2. Relevant Offences

YES NO

59

3. Groundwater

YES NO

60

4. Waste Oil

YES NO

.....

Is there a Working Plan condition?

YES NO

If NO, assign next condition number to be used

.....

Does the current licence have guidance notes attached (Appendix C or B)?

YES NO

If yes, insert the ~~current~~ Appendix No. 3

no next

Complete the Table below for every Condition of the Licence:

Type of Amendment	Condition No.
Remain unchanged (eg. deposit-related)	1, 2, 3, 4, 7, 8, 13, 14, 16, 21, 22, 23 , 27 to 36, 38 to 48, 50, to 57
Until Certificate of Completion Issued	6, 9, 10, 11, 12, 15, 17, 18, 19, 20, 23, 25, 26, 37, 49
Until Disposal Operations have ceased	5, 24

Condition 37 (vii) site control office

Continue Overleaf.....

45

Blanket Modification Sheet

Licence Reference: WDA 283

Name of facility: Sutton Lane, Cotuit Brook

Type of Facility (L/F, T/S, HWRC, S/Y): L/F

Are the following Conditions required in the Modification?

Next Condition
Number

- | | | |
|--|---|-----------------|
| 1. Technical Competence
Insert number of cross referenced condition <u>26</u> | <input checked="" type="radio"/> YES <input type="radio"/> NO | <u>58</u> |
| 2. FAPP | <input checked="" type="radio"/> YES <input type="radio"/> NO | |
| 3. Relevant Offences | <input checked="" type="radio"/> YES <input type="radio"/> NO | <u>59</u> |
| 4. Groundwater | <input checked="" type="radio"/> YES <input type="radio"/> NO | <u>60</u> |
| 5. Waste Oil | <input checked="" type="radio"/> YES <input type="radio"/> NO | <u> </u> |

Is there a Working Plan condition? YES NO

If NO, assign next condition number to be used

Does the current licence have guidance notes attached (Appendix C or B)? YES NO
If yes, insert the current Appendix No... 3

List the Conditions of the licence which will need to have the wording amended below (see attached list):

Condition Numbers: 5, 6, 9, 12, 15, 17, 18, 19, 20, 23, 25, 37, 49

List below any extra Conditions which are not on the attached list:

<u>Condition No.</u>	<u>Description</u>	<u>Amend? Yes/No</u>
10.	Site engineering	Yes
11.	Commencement of Infilling	Yes
13.	Deposit in floodplain areas	No
14.	Cell design	No
16.	Clay seating trench	No
24.	Bird deterrent measures	Yes

Continue Overleaf.....



PERMIT



OUTGOING

LICENCE (with 3 modifications)
TRANSFERRED TO BERKSHIRE
1 APRIL 1995



BUCKINGHAMSHIRE COUNTY COUNCIL

CONTROL OF POLLUTION ACT 1974 -
PART 1. (Waste on Land)

DISPOSAL LICENCE

NO. : WDA/193M

BERKSHIRE

Ref: 54/12/4/3

DATES OF EXPIRE	
NO.	DATE
1.	30/5/91
2.	31.3.94
3.	17.5.94
4.	
5.	

Buckinghamshire County Council,
Waste Disposal Unit,
County Engineer's Dept.,
5th Floor,
County Hall,
Aylesbury,
Bucks. HP20 1UY

Telephone: Aylesbury 395000

LICENCE TRANSFERRED
TO BERKSHIRE
1 APR 1995

BERKSHIRE COUNTY COUNCIL
WASTE DISPOSAL LICENCE REGISTER

DATE OF ISSUE	24 Jul 89	LICENCE No.	54/12/41 371
DATE OF LAST CHANGE TO CONDITIONS	17 MAY 94	DATE OF LAST CHANGE OF HOLDER	
		Former Bucks WDA 193 M	

NAME OF SITE	LOCATION OF SITE
AREA 22, TANHOUSE FARM,	TANHOUSE FARM, COLNBROOK BYPASS.

ORDNANCE SURVEY GRID REFERENCE	T 8 8 0 3 5 7 7 3
--------------------------------	----------------------

TYPE OF FACILITY	LANDFILL
------------------	----------

TYPES OF WASTE AUTHORISED BY LICENCE	LIMITS OF QUANTITIES IF ANY
(a) General Waste B2 HOUSEHOLD ^{CIVIL AMENITY} WASTE	50 TONNES/DAY
B1 COMMERCIAL WASTE	10 " "
A INDUSTRIAL WASTE from tunnelling or any other excavation	NO LIMIT
A " " from construction or demolition	100 TONNES/DAY
B1 " " other than above	150 TONNES/DAY
(b) Difficult Waste see Condition 3 awarded 30 May 91	
J10 CEMENT ASBESTOS	10 TONNES/DAY
J40 METAL SCRAP	4 " "
L20 PLASTIC SCRAP	2 " "
L30 RUBBER SCRAP	2 " "
J90 CALCIUM SILICATE (dry waste)	60 " "
NB THE TOTAL QUANTITY OF ALL DEPOSITS NOT TO EXCEED 70,000 TONNES PER ANNUM (Condition 2, modified 17 May 94)	

CONDITIONS OF LICENCE	22 pages plus mod. 30 MAY 91, 2 pages. (New Condition 3)
See Pages 1 to 22	" " 31 MAR 94, 3 pages (New conditions 19, 19 & 49)
	" " 17 MAY 94, 1 page (Addition to condition 2)

NAME AND ADDRESS OF LICENCE HOLDER	S. GRUNDON (WASTE) LTD., LAKE SIDE ROAD, COLNBROOK,
NAME AND ADDRESS OF LOCAL REPRESENTATIVE OF LICENCE HOLDER	As above

Date of Request/ Application	Details - Nature of Change	Action	Date of Action

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act 1974

Part 1 - Waste On Land

IN PURSUANCE of its powers under the Control of Pollution Act 1974, the Buckinghamshire County Council, being the Waste Disposal Authority for the County of Buckinghamshire, hereby grants a Disposal Licence to:

S GRUNDON (WASTE) LTD, LAKESIDE ROAD, COLNBROOK, BUCKS

For the disposal of controlled waste on land at:

AREA 22, TANHOUSE FARM, COLNBROOK BYPASS, BUCKS

shown edged red on the plan attached hereto, the subject of Planning Permission SBD/800/82 dated 25 October 1983.

The method of disposal to be by the technique known as:

LANDFILL

Subject to the following conditions:

1. No deposit of waste shall take place unless previously a working plan, giving details of the proposed conduct of operations at the site has been submitted to the Waste Disposal Authority and the licence holder shall notify the Waste Disposal Authority of any proposed change in the actual conduct of operations from the proposals shown in the plan, as altered by any previously notified changes at least one month before the proposed change is implemented, unless otherwise agreed.
2. The following types of waste may be deposited at the site but shall not exceed the quantities stated:

N/A

- (a) Household and Commercial Wastes as defined in Section 30 of the Control of Pollution Act 1974 and in Schedules 1 and 4 of the Collection and Disposal of Waste Regulations 1988;
- (b) Industrial Wastes as defined in Section 30 of the Control of Pollution Act 1974 and in Schedule 3 of the Collection and Disposal of Waste Regulations 1988;

provided that the source of the waste is from the following categories:

Household Waste

- (i) Waste from facilities provided in accordance with Section 1 of the Refuse Disposal (Amenity) Act 1978 (Civic Amenity Waste). (Subject to Condition 5).
- (Classified as Type B2) 50 tonnes/day

Commercial Waste

- (i) All waste types (subject to condition 5).
- (Classified as Type B1) 10 tonnes/day

Industrial Waste

- (i) Waste arising from tunnelling or from any other excavation.
- (Classified as Type A) No limit
- (ii) Waste arising from works of construction or demolition, including waste arising from work preparatory thereto.
- (Classified as Type A). 100 tonnes/day

- (iii) Waste, defined as industrial waste, from sources other than (i) and (ii) above. (Subject to condition 4).

(Classified as Type B1)

150 tonnes/day

and consist of materials which either do not decompose or decompose very slowly. They shall consist of clean dry materials from the list detailed in Appendix 1.

Modified 17/5/94

The total quantity of all waste deposited at the facility shall not exceed 70,000 tonnes per annum.

3. The following types of difficult waste may be deposited at the site but shall not exceed the quantities stated:

<u>Group Code</u>	<u>Type of Waste</u>	<u>Quantity tonnes/day</u>
J10	Cement Asbestos	10
J40	Metal Scrap	4
L20	Plastic Scrap	2
L30	Rubber Scrap	2

The site may only accept waste in this category provided that the average daily deposit rate of other wastes has exceeded 100 tonnes per day, or as otherwise agreed in writing by the Waste Disposal Authority.

Delete condition 3 and insert new condition 3 as now dated 30.5.94

4. The deposit of the following types of waste shall be prohibited:

- (i) Any category of waste not listed above.
- (ii) Any sewage or sewage sludge other than sewage sludge deposited onto land for agricultural purposes.
- (iii) Any clinical waste.
- (iv) Any liquid waste, including leachate.

- (v) Any waste with a flash point below 40°C unless specially agreed in writing with the Waste Disposal Authority.
- (vi) Any waste which either in itself or in conjunction with any other material already deposited is likely to give rise to danger by fire or explosion or by the release of dangerous fumes or gases.
- (vii) Any waste containing or admixed with highly putrescible material, food or foodstuff.
- (viii) Any household waste (other than civic amenity), canteen waste, food industry wastes, animal food industry wastes or slaughterhouse waste.
- (ix) Any waste subject to the Control of Pollution (Special Waste) Regulations 1980.
- (x) Any contaminated soils or materials excavated from sources where contamination is to be expected, unless previously agreed in writing with the Waste Disposal Authority. Soil shall be treated as being contaminated if the concentration of any element or compound exceeds its maximum normal concentration range in soil. (Ref: Kelly RT (1979) "Site Investigation and Material Problems"; Society of Chemical Industry).
5. No deposit of commercial waste or waste from civic amenity sites shall take place unless the waste is either:

- 3
- (a) deposited previously in the adjoining Baling Plant Complex for sorting and removal of items prohibited by Condition 4; or
 - (b) deposited subject to the specific written approval of the Waste Disposal Authority, into those parts of the site which have been netted in accordance with a scheme of working to be agreed with the Waste Disposal Authority prior to any such works, including trials, being undertaken; for sorting and removal of items prohibited by Condition 4, prior to final compaction and covering.

Site Preparation and Works

6. No deposit of waste shall take place unless a road has first been provided within the site. This shall be constructed and shall, as a minimum, run from the site entrance to the wheel cleaning facility. It shall have a hard surface of concrete or tarmacadam and be capable of being swept and taking loaded commercial vehicles without deformation. The road shall be constructed in such a way that the distance between the wheel cleaning facility and the entrance to the highway (A4) shall be not less than one hundred metres. The road shall be inspected daily and maintained. Any damage shall be repaired without undue delay or within twenty-eight days if so requested by an authorised officer of the Waste Disposal Authority.

NA
7. No deposit of waste shall take place unless a suitable wheel-cleaning facility has been provided to a specification and at location as detailed in the working plan. It shall be properly maintained and used. Except during dry weather all vehicles using the site shall be directed to use the wheel cleaning facilities provided. If mud is nevertheless deposited on the highway it shall be cleared with the minimum of delay and in

any event the highway shall be inspected and cleaned as necessary during and at the end of each working day.

N/A REFUSE
8. No deposit of waste shall take place unless a site control office has been provided at a location detailed in the working plan. All vehicles shall report to the site control office before discharging their load.

N/A NO SIGN
9. No deposit shall take place until a site identification board of durable material and finish has been displayed at the site entrance showing the following information:

- (a) The name of the site.
- (b) The days and hours when the site is open.
- (c) The name, address and telephone number of the operator (and his local agent, if any).
- (d) "The Disposal Licence for this facility was issued by the Buckinghamshire County Council".

The lettering used shall be a minimum of 2.5 cms (1 inch) in height.

The identification board shall be maintained in a legible condition.

BUNDING N/A
10. No deposit of waste shall take place unless tanks used for the storage of polluting liquid including fuel oil have been situated on an impermeable base and surrounded by a bund wall. The capacity of the bund shall be not less than 110% of the volume of the tanks. All draw and fill pipes shall be within the curtilage of the bund. All tanks shall be labelled to show their contents.

ENGINEERING

11. No deposit of waste shall take place unless the site has been engineered in accordance with a scheme detailed in the working plan. The scheme shall provide a stable lining not less than one metre thick of impermeable material to prevent the ingress of ground water or egress of leachate.

The construction and testing of the lining, and cap when applicable, shall be in accordance with the following criteria:

- (i) The material used for the lining or capping shall be capable of obtaining a recompacted permeability of not greater than 1×10^{-7} cm/sec.
- (ii) The material shall be placed in layers of a specified thickness; at a moisture content not less than 2% below or 5% above the plastic limit; at the optimum dry density; be subjected to sufficient compactive effort to achieve the above permeability and have a minimum crest width of two metres.
- (iii) The optimum parameters and their acceptable range between which the above requirements can be achieved shall be agreed, for each material proposed to line or cap the site, before work commences.
- (iv) The engineering works shall be supervised by a competent engineer.
- (v) The lining or capping material shall be tested at least daily for remoulded shear strength, moisture content, in situ bulk density

and any other test that the Waste Disposal Authority may reasonably request during emplacement.

- (vi) A sample of the recompacted clay shall be taken from at least one location for every fifty metres of excavation perimeter at random around the engineered lining of the site and shall be tested by the falling head method to measure its permeability (Manual of Soil Laboratory Testing : K H Head Vol.3).
- (vii) A sample of the recompacted clay shall be taken from at least two locations per acre at random across the cap and shall be tested to measure its permeability as in (vi) above.
- (viii) In the event that any sample should fail the test required in (vi) or (vii) above, a further sample from the same location shall be taken and retested. If this sample fails to achieve the required permeability the lining shall be reworked and again sampled until it satisfies the permeability criteria.

N/A
MSL SLAL

12. No deposit of waste shall be made unless an efficient basal seal has been maintained at all times to prevent the downward percolation of leachate and shall consist of at least three metres of approved in situ clay with a maximum permeability of 1×10^{-7} cm/sec.

N/A
DEWATER

13. No deposit shall take place in any cell until it has been dewatered to the satisfaction of and in a manner specifically approved by the Waste Disposal Authority. No discharge of clean or contaminated water to any land, lake or watercourse shall be made without a formal consent from Thames Water Authority. No discharge shall be made from any cell

other than with the specific written agreement of the Waste Disposal Authority.

N/A
14. No deposit of waste shall be made unless the site has been divided into cells as detailed in the working plan. The design of each cell shall have due regard to the rate of infill and will ensure that the cell will be filled and sealed before the deposited waste reaches field capacity. Each cell shall be approved by the Waste Disposal Authority prior to commencement of its infilling. The Waste Disposal Authority shall need to be satisfied before any approval is given for any cell that the requirements of Conditions 11 and 12 have been achieved.

LEACHATE
MONITORING

15. No deposit shall take place until the site has been divided into hydraulically independent areas and a leachate monitoring well constructed in each area. Each well shall be seated on approved in situ clays at the lowest point of the cell and constructed of 1 metre diameter perforated concrete rings surround by 1 metre of clean hardcore. The height of the well shall be increased to keep it above the height of the fill and adequately protected against unauthorised access. The well shall be reduced in diameter as it passes through the clay cap, overburden, subsoils and top soils, with a suitable taper ring and shall be imperforate through these layers. It shall be protected against surface water penetration by sealing with clay to final ground level and shall be finished with manhole cover and frame.

B/W MONITORING

16. No deposit of waste shall be made until lined boreholes have been provided adjacent to the site for monitoring the ground water. A minimum of two boreholes shall be provided at locations to be agreed with the Waste Disposal Authority and as detailed in the working plan.

The boreholes shall be constructed to a specification as detailed in the working plan but shall as a minimum extend one metre into the basal clay; have an internal diameter of four inches and have at least ten per cent open slot. The boreholes shall be maintained and sampled at least once every three months. Access to the boreholes shall be maintained to enable an authorised officer of the Waste Disposal Authority to sample on a routine basis.

17. No deposit of waste shall be made until monitoring boreholes have been provided for monitoring landfill gas migration. The boreholes shall be provided at not greater than fifty metre intervals around the perimeter of the site at locations to be agreed with the Waste Disposal Authority and as detailed in the working plan. The distance between monitoring boreholes shall be reduced to not greater than twenty-five metre intervals along the southern and western edges of the site where buildings are within two hundred and fifty metres of the site boundary. The boreholes shall be constructed to a specification as detailed in the working plan but shall as a minimum extend one metre into the basal clay; have an internal diameter of two inches; and have at least ten per cent open slot. The boreholes shall be maintained and sampled at least once every month. Access to the boreholes shall be maintained to enable an authorised officer of the Waste Disposal Authority to sample on a routine basis. Water monitoring boreholes may be constructed as dual sampling points. *delete condition 17. insert new condition 17 as mod dated 31.3.94.*

18. No deposit shall be made unless a scheme has been submitted to and agreed by the Waste Disposal Authority for the removal and treatment of leachate from any part of the site. This scheme shall include, by reference to Ordnance Datum, the point at which leachate removal shall

commence and the proposed method of treatment or disposal. The standing level of leachate in any cell shall at no time exceed 2 metres in depth or be within one metre of the gravel/London Clay interface.

19. No deposit shall take place until a scheme of monitoring for the presence of landfill gas has been agreed with the Waste Disposal Authority. The scheme shall provide for weekly monitoring for landfill gas migration. The scheme shall be implemented and the results from each monitoring exercise shall be forwarded to the Waste Disposal Authority within seven working days following each such monitoring exercise.

Delete condition 19. Insert new condition 19 as mod dated 31.3.9

20. No deposit of waste shall take place until surface drainage water from surrounding higher land has been diverted from the site.

21. No deposit shall take place until suitable facilities have been provided for storing and maintaining equipment used on the site.

22. No deposit of waste shall take place unless subsidiary site roads have been provided as follows:

- (a) Spine road
- (b) Other roads to the tipping facing

These shall be regularly inspected and maintained to ensure the independent passage of vehicles without damage to the understructure; they will be reasonably level and free from deep depression and items obviously liable to damage tyres.

23. No deposit shall take place until sufficient screens or other apparatus has been provided, where necessary, to prevent paper or other material

from being blown by the wind away from the site. Any such paper, or other materials which have been blown from the site or from vehicles using the site shall, with the minimum delay, be collected and returned to the site.

24. No deposit shall take place until gates and fencing have been provided to the following specification. They shall be regularly inspected and maintained. Any damage shall be repaired without undue delay or within fourteen days if so requested by an authorised officer of the Waste Disposal Authority. All reasonable precautions shall be taken to prevent unauthorised access to the site.

Specification: Post and wire fencing with metal farm gate.

25. No deposit shall take place other than during daylight, unless suitable lighting is provided. The site shall only be operative during the following hours:

Weekdays 0700 to 1930

Saturdays 0700 to 1930

Sundays 0800 to 1200 for the deposit of civic amenity wastes only

Bank Holidays normally closed unless specifically agreed by the Waste Disposal Authority.

Site Operation

26. The site shall be adequately manned and supervised during work hours. When staff are not available the site shall be adequately secured to prevent the unauthorised deposit of waste. If unauthorised wastes are nevertheless deposited they shall be examined by a competent person and if it appears that any of it consists of a material not allowed by Conditions 2 or 3, the Waste Disposal Authority shall be immediately

informed by telephone. All such action as the Authority may require to dispose safely of such material shall be taken.

27. Solid waste shall be compacted and formed into a layer as soon as possible after deposit and not later than at the end of the working day on which the waste is received. The depth of a layer of waste shall not, after initial compaction, exceed 2.5 metres (8 feet).
28. The layer of waste shall be formed in one or other of the ways described in Condition 29 below, using suitable compaction equipment with a blade or some other appropriate levelling device.
29. Waste shall either (a) be deposited on the surface of the site behind the face and partially compacted by a tractor or other compacting machine before being pushed over the face or it shall (b) be deposited on the ground forming the base of the site, or on a previous covered layer in front of the face and shall be formed into a compacted layer by being pushed upwards and driven over by a tractor or other compacting machine.
30. Before covering, working faces and flanks shall be compacted to form gradients not steeper than 1 in 3 by driving a tractor up and down.
31. Waste deposited other than that which is wholly non-putrescible shall, subject to the traction needs of vehicles operating at the working face, be covered progressively with suitable non-putrescible or stabilised material throughout the working period each day, so that by the end of the working day exposed surfaces, including the flanks, shall have been covered to a depth of not less than 23 cms (9 inches). The face shall

also be compacted, graded and so covered at the end of the working week.

32. All necessary action shall be taken to ensure that an adequate supply of suitable covering material is maintained. The supply shall constitute at least 15% by volume of the solid waste input.
33. Before any waste is deposited a stockpile of covering material (either imported or pre-dug) equivalent to one week's requirement shall be established and maintained in an appropriate position on the site for use as a buffer stock.
34. All large articles such as furniture, crates and hollow containers likely to cause voids shall be crushed, broken up or flattened and covered each day by other wastes in such a position that they are not within 1 metre (3 feet) of the surface or 2 metres (6 feet) of the flanks or face.
35. No deposit of waste containing asbestos shall be made within 2 metres of the base nor within 5 metres of the sides of the excavation.
36. No deposit of asbestos waste or waste containing asbestos shall be made other than in accordance with the following conditions:

Non-Hazardous Forms (Type C)

1. No loads of asbestos shall be accepted for disposal unless the site operator is satisfied that, having inspected the load, it can be handled without the emission of dust. In the case of any doubt the Waste Disposal Authority should be contacted.

2. No asbestos or waste containing asbestos shall be accepted for disposal unless a working face of height not exceeding 2.5 metres nor less than 1.5 metres (after compaction) is available.
3. All asbestos waste shall be deposited at the base of the working face by tipping on the lower level. An adequate vehicle access to the lower level shall be maintained at all times and wherever possible loads shall be tipped parallel to the working face.
4. The asbestos shall be covered where deposited prior to any compaction or any contact with the landfill plant. It shall not be disturbed by site plant or any vehicles prior to being covered and under no circumstances shall any waste containing asbestos be used for the construction or repair of site roads, hardstandings or any surface feature.
5. The deposit shall be covered with at least 300 mm of soil or suitable waste but no compaction shall occur until this cover has been increased to a depth of 750 mm. In any event the waste shall be so covered by the end of the working day.
6. The landfill plant shall not normally operate on the lower level until the waste is fully (750 mm) covered unless it is required to form a soil bund in front of the asbestos to aid covering. In any event there shall never be direct contact between the asbestos and the landfill plant.
7. Asbestos waste shall not be deposited unless adequate covering material (soil or other suitable waste) is available.

8. No deposit of asbestos or waste containing asbestos shall be made in the top two metres of waste deposited, (any clay capping, sub soil or top soil shall not count as part of this two metres) nor within two metres of the boundary of any side.
9. A code of practice for handling asbestos and dealing with any emergency shall be agreed with the Waste Disposal Authority and displayed in the site office.
10. All site personnel shall be made familiar with the above conditions and a copy must be displayed in the site office.
37. Waste other than inert material shall not be deposited in water.
38. The site shall be maintained in a tidy condition; tins, hollow vessels or other loose debris shall not be left lying on or about the site or the access thereto, or against screens and fences and shall be removed not less frequently than once each week and disposed of in a suitable manner.
39. Any leachate produced shall be collected in a prepared area and held so as to cause no contamination of clean surface water. It shall be disposed of at all times in a manner satisfactory to the Waste Disposal Authority. A record shall be kept of the quantities collected and disposed of. The discharge of any leachate or contaminated surface water from the site shall be prohibited unless in accordance with a Thames Water Authority consent.

40. No waste material shall be burnt within the boundaries of the site. A fire at the site shall be regarded as an emergency and immediate action shall be taken to extinguish it. All outbreaks of fire shall be notified forthwith to the Waste Disposal Authority.

41. Precautions shall be taken to deal effectively with any vermin and insects on the site. The entire site shall be inspected as routine and disinfection measures applied as necessary. A record shall be kept at the site of such measures.

42. A record shall be kept of the types, quantities and source (District for Shire Counties or Borough for Metropolitan Counties) of waste deposited. A quarterly return shall be made to the Waste Disposal Authority for each of the three month periods commencing January, April, July and October of each year. A return consisting of a summary of recorded information shall be submitted within 28 days of the last day of the respective period and shall provide the following information expressed in terms of the weight in tonnes or volume in cubic metres on forms as detailed in Appendix 1.

Waste input categorised by District/Borough as follows:

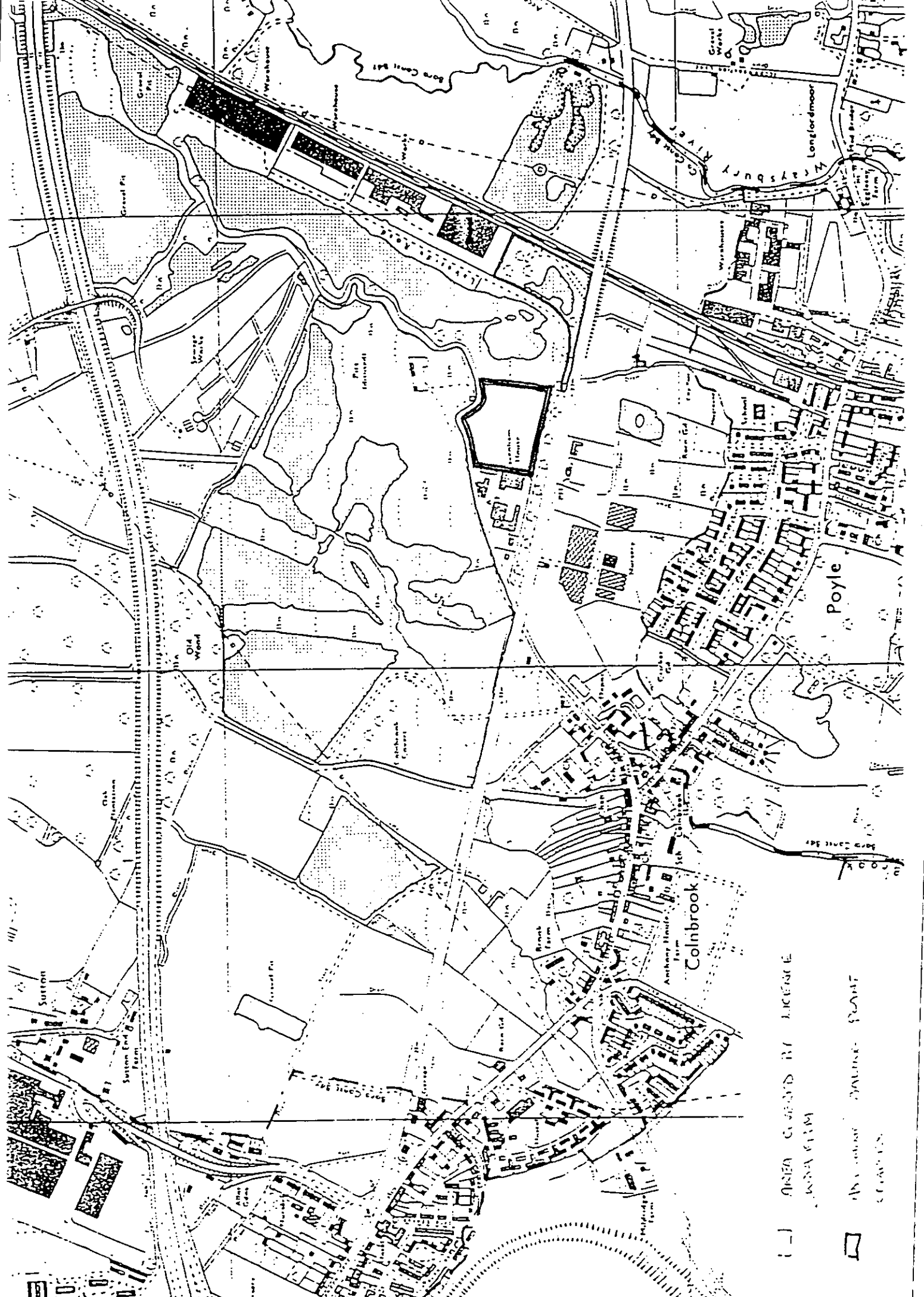
Inert Waste (Type A)

Commercial/Industrial (Type B1)

Civic Amenity (Type B2)

Difficult Waste (Type R) including details by DoE Code on a separate sheet

43. The terms of the Disposal Licence shall be made known to any person who is given responsibility for the management or control of the site and a copy of this shall be displayed at the site control office.



[] AREA SURVEYED BY LICENSING
 [] AREA SURVEYED BY LICENSING
 [] AREA SURVEYED BY LICENSING

44. Site roads shall in dry weather be sprayed with water to suppress dust.
45. Rubber waste shall not be concentrated in any one part of the landfill and not more than one vehicle load shall be deposited in any one place.
46. Material once deposited in the landfill and covered shall not be disturbed or picked over, except with the consent in writing of the Waste Disposal Authority.
47. Each layer of waste and covering material shall be laid to a fall to encourage surface water run-off.
48. Until final restoration, completed areas of the landfill shall be graded and maintained in a tidy condition and, where necessary, action shall be taken to control or destroy weeds.
49. Leachate wells shall be inspected weekly and the liquid level measured and recorded. A return shall be made quarterly to the Waste Disposal Authority of measurements taken from the wells during the quarter and these measurements shall be related to Ordnance Datum or as may otherwise be agreed with the Waste Disposal Authority. The contents of the wells shall be sampled and analysed at a frequency that the Waste Disposal Authority may reasonably request.
Delete condition 49. Insert new condition 49 as attached schedule dated 31.3.94
50. The final layer deposited shall be kept free of materials likely to interfere with the capping operations. The site shall then be progressively capped with clay with a maximum permeability of 1×10^{-7} cm/sec, to a depth on compaction of not less than one metre. The cap shall be sealed into the clay walls along their whole length and shall be

capable of preventing the ingress of rainfall. It shall be protected from excessive drying or cracking by covering with sub-soils as soon as practicable after its construction. The cap should be applied as soon as possible after the completion of infilling in any cell and in any event within 6 months of that date.

51. Precautions shall be taken to deal effectively with any landfill gas that may be produced on the site. A scheme for the control of landfill gas shall be submitted to and agreed by the Waste Disposal Authority within six months of the first deposit of non-inert waste. Any such scheme should include details for the active pumping and flaring of landfill gas. The scheme shall be implemented when the methane level in any well exceeds 20% of the Lower Explosive Limit or as may otherwise be agreed with the Waste Disposal Authority. Landfill gas shall not be allowed to migrate from the site, or from within the sphere of influence of any gas control system for the site, at concentrations in excess of 20% LEL methane or 0.5% carbon dioxide as measured in any subsurface probe or borehole.
52. The operator shall provide free of charge any samples or analysis of any solid, liquid or gaseous substance applicable to the site or disposal operation which the Waste Disposal Authority may reasonably request.
53. Not less than 14 days notice shall be given to the Waste Disposal Authority of the date on which landfilling is to commence or recommence in the event of a temporary cessation for a period in excess of three months.

54. Any temporary cessation of operation, for a period in excess of three months, shall be notified to the Waste Disposal Authority.

DATED THIS *Twenty fourth*

DAY OF *July* 1984

W.A. Sletted

.....
County Engineer for the
Buckinghamshire County Council

County Hall
Aylesbury
Bucks

WASTE CATEGORIES**Solid Inert Waste**

Material which either does not decompose or decomposes only very slowly. It consists of clean, dry materials from the following list which are not mixed with other materials.

- Subsoil
- Topsoil
- Hardcore
- Brickwork
- Stone
- Concrete
- Clay
- Plaster
- Ash, Clinker (excluding incinerator residues)
- Coal, Coke
- Sand (including clean foundry and moulding sand)
- Silica
- Cement
- Builder's Rubble
- Excavated Road Metal (well weathered)

Solid Degradable Waste

Material which may decompose slowly, but is only slightly soluble in water. It consists of clean, dry materials from the following list which are not mixed with other materials.

- Wood (including sawdust and sanderdust)
- Paper (including oiled and tarred paper)
- Cardboard and Fibreboard
- Wood products (hardboard, chipboard etc)
- Plastics (including thermoplastics and thermosetting plastic)
- Plasterboard
- Glass, Pottery, China, Enamels, Ceramics, Mica and abrasives
- Metal (iron, steel, aluminium, brass, copper, tin, zinc, gold)
- Leather (excluding leather processing waste)
- Wool, cotton linen, hemp, sisal, hessian, string, rope, and other natural or man-made fibre
- Cork, ebonite, kapok
- Trees, bushes
- Garden and horticultural waste (excluding chemicals or liquids)
- Shot blasting residues
- Slag
- Boiler scale
- Carbon, kieselguhr, diatomaceous earth
- Oxides of iron, magnesium, zinc, aluminium, copper and titanium
- Hydroxides of iron
- Calcium carbonate, calcium sulphate, calcium chloride, magnesium carbonate, sodium chloride

Solid Putrescible/Domestic Waste

Material which may decompose and may consist in part of soluble matter which could cause pollution if allowed to enter ground or surface water systems. It consists of dry materials from the following list which do not contain a hazardous quantity or hazardous concentration of any poisonous, noxious or polluting substance.

- Empty containers (metal, glass, plastic, paper, sacks, etc.)
- Floor sweepings (free from food waste)
- Machinery
- Electrical fittings, fixtures and appliances
- Rubber

PREFERRED FORMAT OF WASTE INPUT RECORDS

	TYPE A	TYPE B	TYPE C	TYPE D	TYPE P	TYPE Q	TYPE R			
	INERT GENERAL NON-PUTRESCIBLE			GENERAL PUTRESCIBLE			LIQUIDS (GENERAL)	SPECIAL SOLID	SPECIAL LIQUID	"OTHER"
		B1 COMMERCIAL INDUSTRIAL	B2 CIVIC AMENITY	C1 COMMERCIAL INDUSTRIAL	C2 CIVIC AMENITY	C3 REFUSE				
BOROUGH, DISTRICT	(eg soil, hardcore)									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

Notes:

- Column 1: Best endeavours will be used to obtain information from hauliers.
- Columns 2-7: Standards agreed by the East Anglian Waste Disposal Engineer's Group and a number of private companies.
- Columns 8-11: Additional information as required by the Disposal Licence.

CONTROL OF POLLUTION ACT 1974
Section 7

Notice of Modification of Waste Disposal Licence Conditions

To S. Grundon (Waste) Ltd
Lakeside Road
Colnbrook, Buckinghamshire

WHEREAS on 24th July 1989 you were granted a Waste Disposal Licence by the* Buckinghamshire County Council relating to Area 22, Tanhouse Farm, Colnbrook Bypass, Buckinghamshire subject to the conditions set out therein

[AND WHEREAS on 3rd May 1991 you made application for the said conditions to be modified]

NOTICE is HEREBY GIVEN that the* Buckinghamshire County Council (hereafter called "the Authority") modifies the said conditions as follows:—

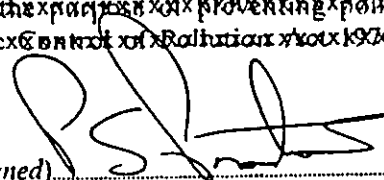
Licence Ref WDA 193M

Delete Condition 3.

Insert new Condition 3 as per attached schedule dated 30th May 1991

Such modification shall take effect on † 3rd June 1991 at 00.01 .

~~If the opinion of the authority is necessary for the purpose of preventing pollution or~~
~~changes to public health that Section 10(2) of the Control of Pollution Act 1974 should~~
~~not apply.~~

DATED 30th May 1991 . (Signed) 
(Designation) Ass. C. Engineer

(Address of Authority) County Hall, Aylesbury, Bucks HP20 1UY

N.B.—The person served with this notice may appeal against the authority's decision to the Secretary of State within six months or such longer period as the Secretary of State may allow. (See notes overleaf.)

[The person on whom this notice is served may also make application to the Secretary of State for a ruling as to whether the Authority has acted reasonably in including the above statement as to the non-application of section 10 (2) of the Act. See notes overleaf.]†

* Insert name of Authority, as appropriate. † Insert date and time when modification takes effect.
† These paragraphs should be included if it is intended that the decision shall have effect even when an appeal is pending.

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act

SECTION 7

Schedule to Disposal Licence WDA 193M

Area 22, Tanhouse Farm

Modification of Licence Condition

New Condition

3. The following types of Difficult waste may be deposited at the site but shall not exceed the quantities stated:

<u>Group Code</u>	<u>Type of Waste</u>	<u>Quantity</u> (tonnes/day)
J10	Cement Asbestos	10
J40	Metal Scrap	4
L20	Plastic Scrap	2
L30	Rubber Scrap	2
J90	Calcium Silicate (dry waste)	60

The site may only accept waste in this category provided that the average daily deposit rate of other wastes has exceeded 100 tonnes per day or as otherwise agreed in writing by the Waste Disposal Authority.

DATED THIS

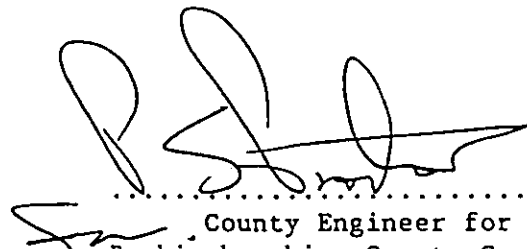
thirtieth

DAY OF

May

1991

SIGNED


.....
County Engineer for the
Buckinghamshire County Council

County Hall
Aylesbury
Bucks

BUCKINGHAMSHIRE COUNTY COUNCIL

Control of Pollution Act 1974

SECTION 7

Schedule to Disposal Licence WDA 193M

Area 22, Tanhouse Farm

Modification of Licence Condition

New Conditions

17. No deposit of waste shall take place unless landfill gas monitoring boreholes are located, constructed and maintained as detailed in the Working Plan to achieve the following standard:
- (i) Boreholes shall be provided around the southern and western perimeter of the facility, where buildings are within 250 metres of the site boundary, at intervals of no greater than 25 metres.
 - (ii) Boreholes shall be provided around the remainder of the perimeter of the facility at intervals of no greater than 50 metres.
 - (iii) Landfill gas monitoring boreholes shall be designed and constructed to achieve the following standard:
 - (a) They shall extend to a depth of 1.0 metre into the insitu clay or below the depth of the waste.
 - (b) They shall have an internal diameter of at least 50mm (2 inches).
 - (c) They shall have a casing with at least a 10% open slot.
 - (d) The uppermost metre of the boreholes shall be sealed with bentonite or a similar material.
 - (e) They shall be provided with a cap or tap and shall be adequately protected against unauthorised access.
 - (iv) Landfill gas monitoring boreholes and access to them shall be maintained to enable sampling on a routine basis.
 - (v) Any gas monitoring borehole that is damaged or destroyed, to the extent that it is no longer able to provide the measurements it was designed to achieve, shall be replaced within six weeks of the last satisfactory measurement.

19.

No deposit of waste shall take place unless landfill gas monitoring boreholes are sampled in accordance with a scheme detailed in the Working Plan to achieve the following standard:

- (i) Gas monitoring boreholes shall be sampled once per week for methane, oxygen and carbon dioxide concentrations unless otherwise previously agreed with the Waste Regulation Authority, but in any event not less than once per month.
- (ii) Methane measurements shall be expressed in terms of the lower explosive limit or percentage methane as applicable. Carbon dioxide and oxygen measurements shall be expressed as a percentage by volume.
- (iii) An accurate record of the results of the monitoring exercise shall be maintained and shall be made available for inspection by an authorised officer of the Waste Regulation Authority upon request.
- (iv) A tabulated summary of the results from the monitoring carried out during each month shall be forwarded to the Waste Regulation Authority quarterly.

49.

No deposit of waste shall take place unless leachate wells are sampled in accordance with a scheme detailed in the Working Plan to achieve the following standard:

- (i) The liquid level in each leachate well shall be measured and recorded at a frequency as detailed in the Working Plan and in any event not less than monthly. A record of the measured level shall be maintained and shall be made available for inspection by an authorised officer of the Waste Regulation Authority upon request.
- (ii) A tabulated summary of the levels recorded during each month shall be forwarded to the Waste Regulation Authority within seven working days of the last day of each month. These measurements shall be related to Ordnance Datum.

DATED THIS

Thirty-first

DAY OF

March

1994

SIGNED



.....
County Waste Regulation Officer for the
Buckinghamshire County Council
County Hall
Aylesbury
Bucks

	TYPE A	TYPE B	GENERAL NON-PUTRESCIBLE					TYPE C	TYPE D	TYPE P	TYPE Q	TYPE R
	INERT		B1 COMMERCIAL INDUSTRIAL	B2 CIVIC AMENITY	C1 COMMERCIAL INDUSTRIAL	C2 CIVIC AMENITY	C3 REFUSE	LIQUIDS (GENERAL)	SPECIAL SOLID	SPECIAL LIQUID	"OTHER"	
BOROUGH, DISTRICT (1)	(eg soil, hardcore) (2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	

Notes:

Column 1: Best endeavours will be used to obtain information from hauliers.

Columns 2-7: Standards agreed by the East Anglian Waste Disposal Engineer's Group

and a number of private companies.
Columns 8-11: Additional information as may be required by the Disposal Licence.

CONTROL OF POLLUTION ACT 1974
Section 7

Notice of Modification of Waste Disposal Licence Conditions

Grundon (Waste) Ltd
Lakeside Road, Colnbrook
Bucks

WHEREAS on 24th July 1989 you were granted a Waste Disposal Licence by the* Buckinghamshire County Council relating to land at Area 22, Tanhouse Farm, Colnbrook Bypass, Bucks

subject to the conditions set out therein

[AND WHEREAS on 10th May 1994 you made application for the said conditions to be modified]

NOTICE is HEREBY GIVEN that the* Buckinghamshire County Council (hereafter called "the Authority") modifies the said conditions as follows:—

Licence Reference WDA 193M

Insert at the end of Condition 2:

The total quantity of all wastes deposited at the facility shall not exceed 70,000 tonnes per annum.

Such modification shall take effect on ‡ 1st May 1994 at 00.01hrs

~~For the purpose of the Authority it is necessary for the purpose of preventing pollution of water or danger to public health that Section 10(2) of the Control of Pollution Act 1974 should not apply.~~

DATED 17th May 1994. (Signed) [Signature] 02-22-94
(Designation) _____
County Waste Regulation Officer

Address of Authority) County Hall, Aylesbury, Bucks HP20 1UY

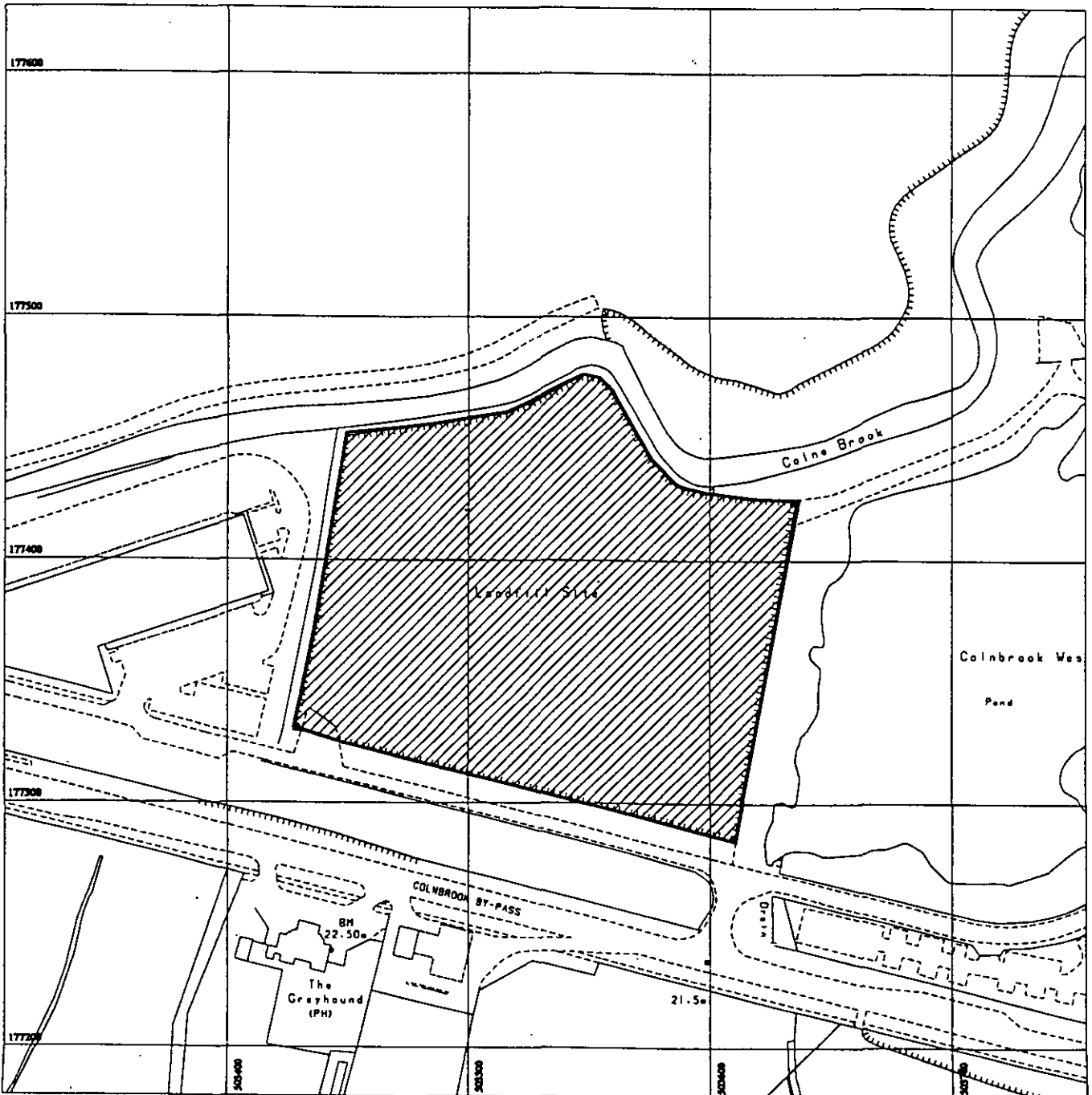
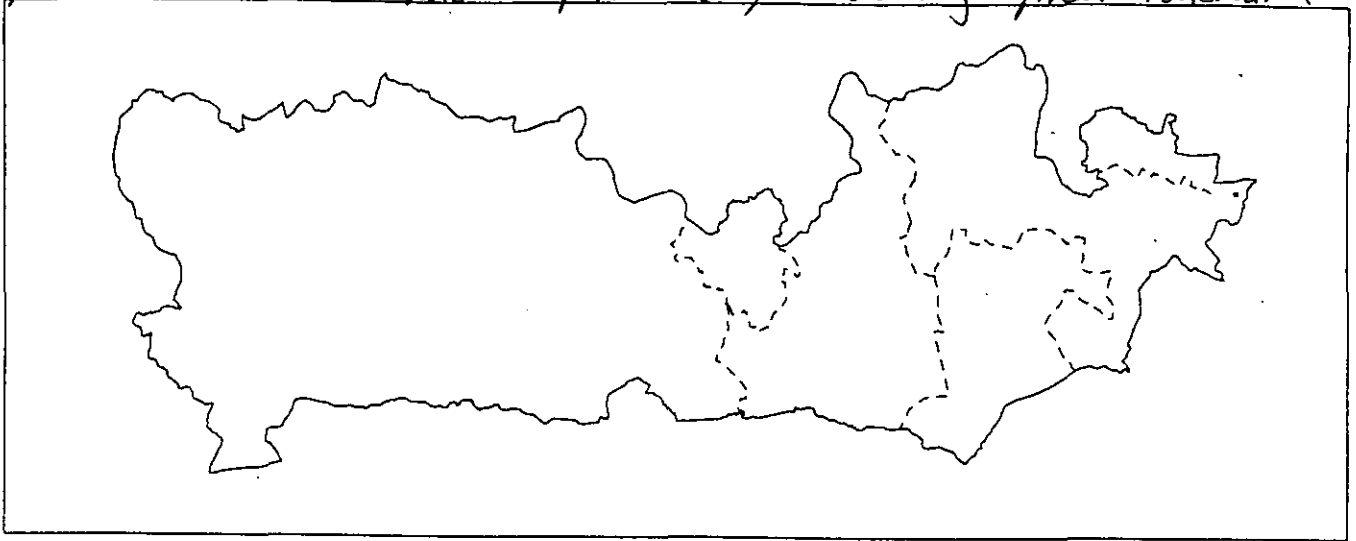
N.B.—The person served with this notice may appeal against the authority's decision to the Secretary of State within six months or such longer period as the Secretary of State may allow. (See notes overleaf.)

The person on whom this notice is served may also make application to the Secretary of State for a ruling as to whether the Authority has acted reasonably in including the above statement as to the non-application of section 10 (2) of the Act. See notes overleaf.††

* Insert name of Authority, as appropriate. ‡ Insert date and time when modification takes effect.
† These paragraphs should be included if it is intended that the decision shall have effect even when an appeal is pending.

TQ 035 773 COLNBROOK AREA 22 POYLE

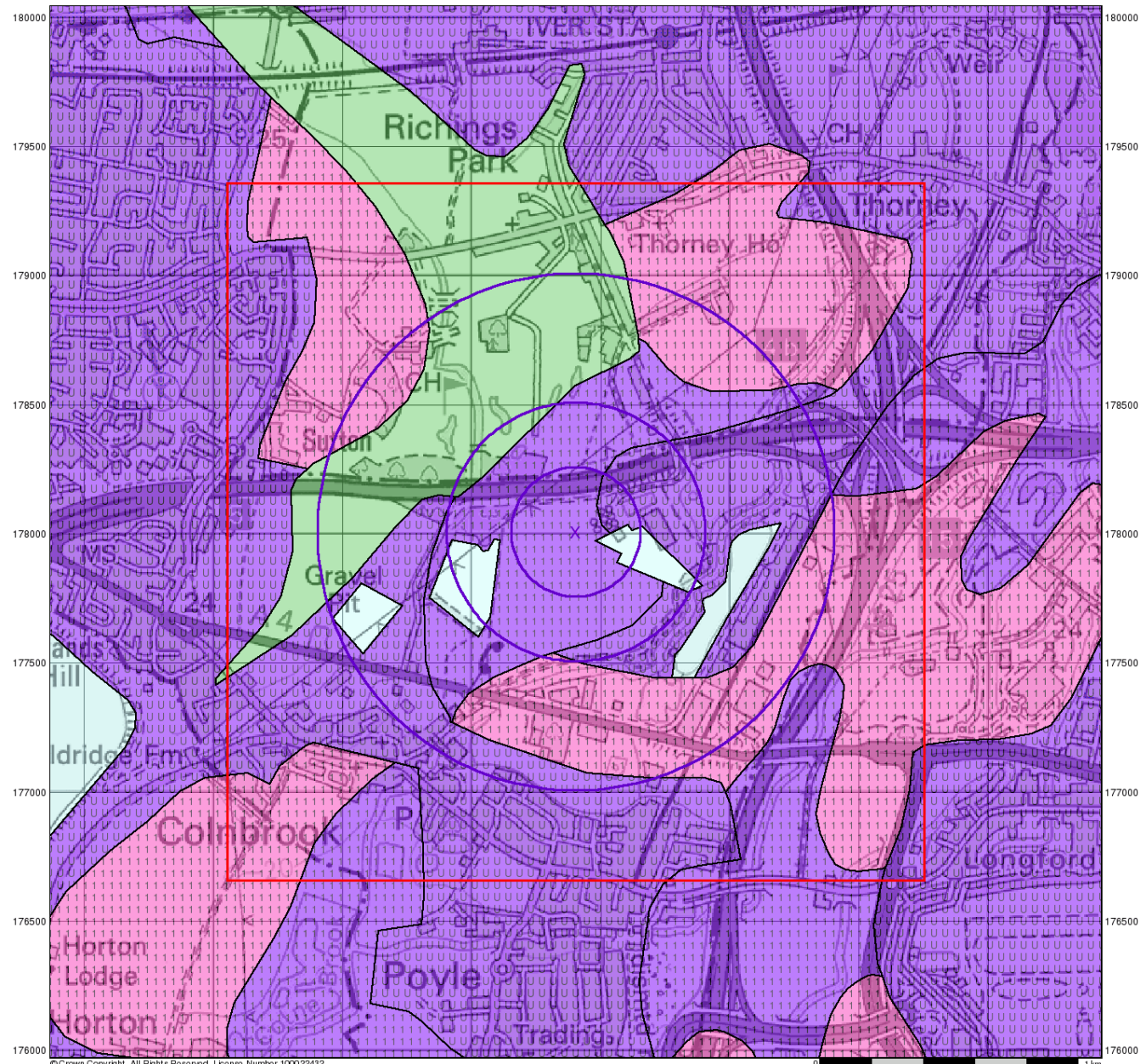
Triluce Farm - non-operational, awaiting final restoration



SCALE - 1:2500

APPENDIX E
ENVIROCHECK REPORT

501500 502000 502500 503000 503500 504000 504500 505000



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

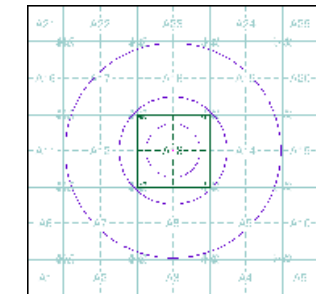
Geological Classes

- Major Aquifer (Highly Permeable)**
 - High (H) 1, 2, 3, U
 - Intermediate (I) 1, 2
 - Low
- Minor Aquifer (Variably Permeable)**
 - High (H) 1, 2, 3, U
 - Intermediate (I) 1, 2
 - Low
- Non Aquifer (Negligibly Permeable)**
 -
- Water or Sea**
 -
- Drift Deposit**
 -

Soil Classes

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low
- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low
-
-

Site Sensitivity Context Map - Slice A



Order Details

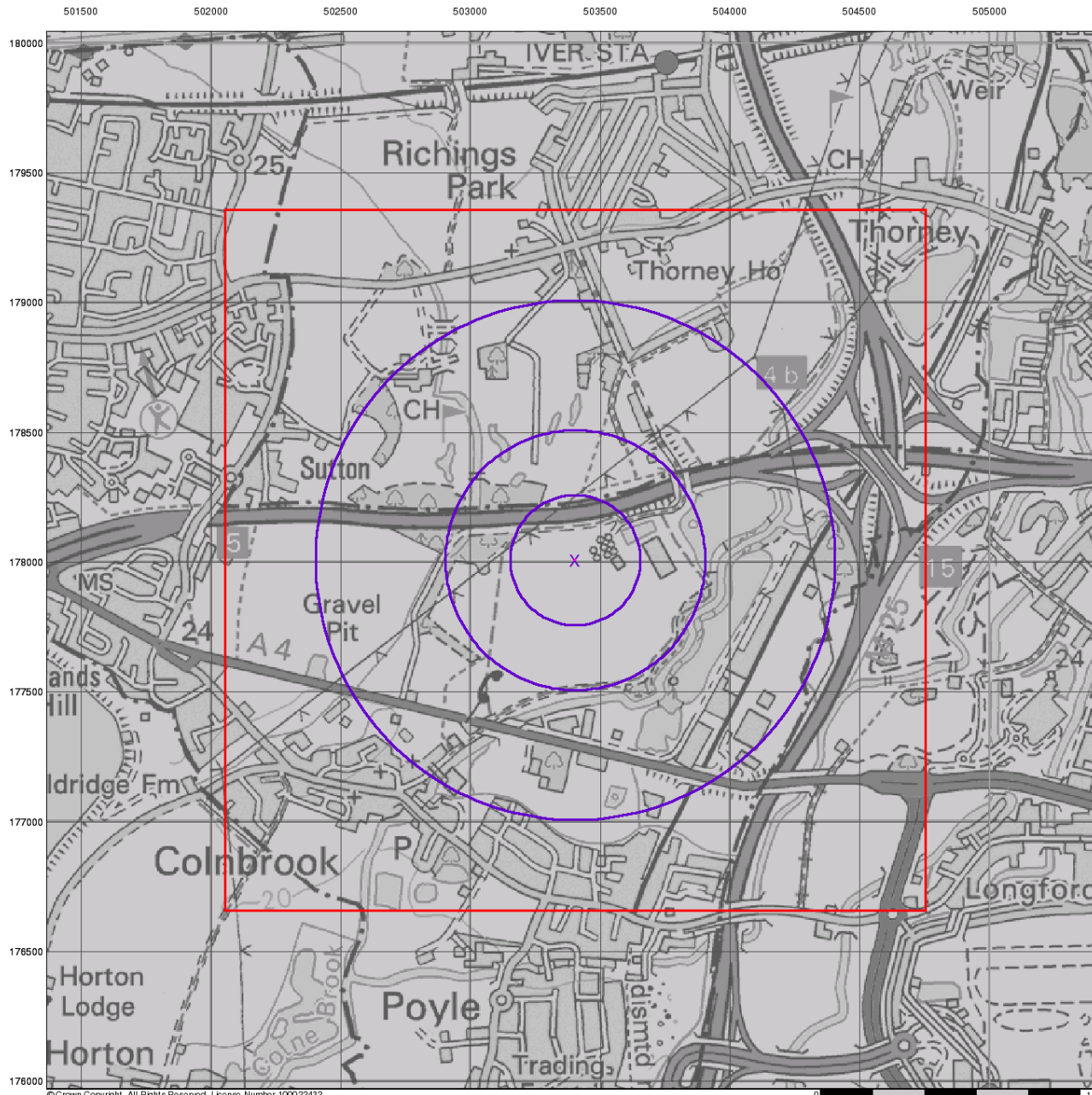
Order Number: 193955180_1_1
 Customer Ref: 1620005898
 National Grid Reference: 503400, 178010
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Lakeside Industrial Estate, Lakeside Road, Colnbrook, SLOUGH, SL3 0ED



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk








© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km









Bedrock Aquifer Designation

General

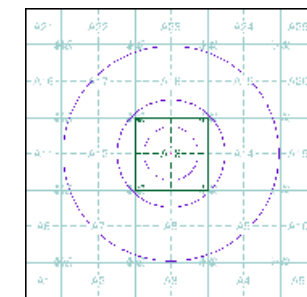
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

Agency and Hydrological

Geological Classes

-  Principal Aquifer
-  Secondary A Aquifer
-  Secondary B Aquifer
-  Secondary Undifferentiated
-  Unproductive Strata
-  Unknown
-  Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

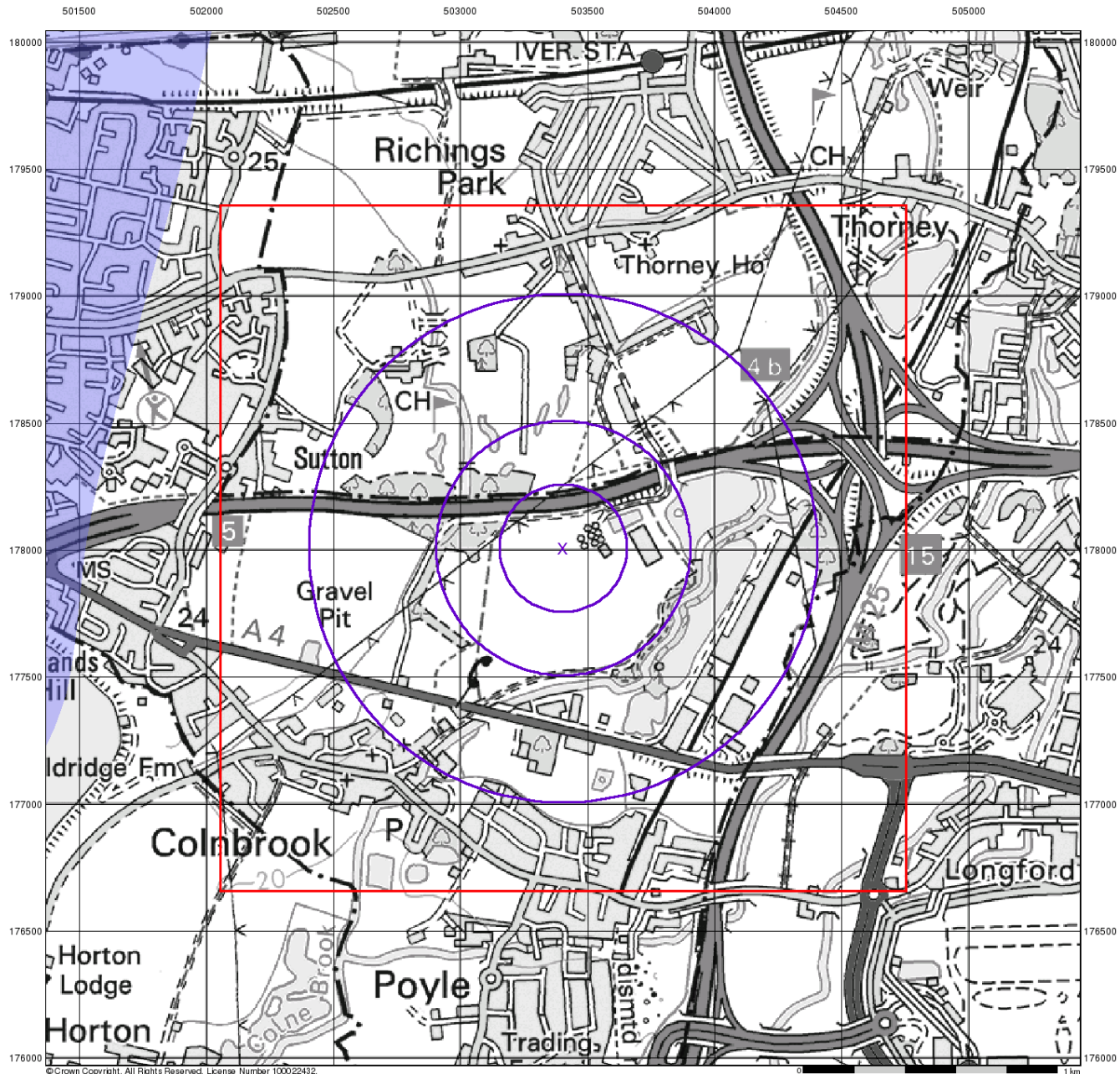
Order Number: 19395180_1_1
 Customer Ref: 162005898
 National Grid Reference: 503400, 178010
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Lakeside Industrial Estate, Lakeside Road, Colnbrook, SLOUGH, SL3 0ED



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.



Source Protection Zones

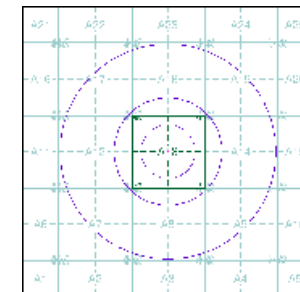
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

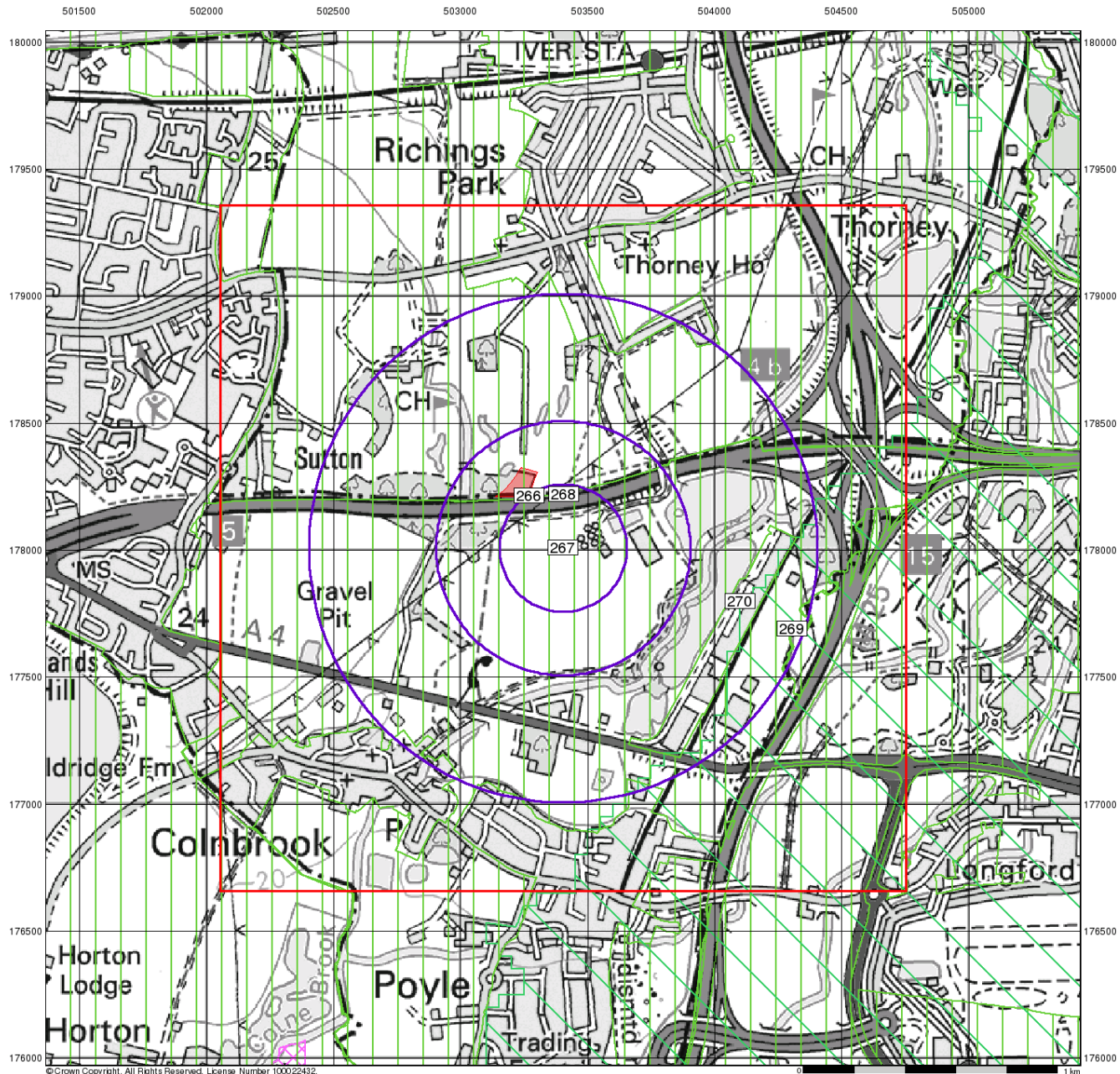
Order Number: 193955180_1_1
 Customer Ref: 1620005898
 National Grid Reference: 503400, 178010
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Lakeside Industrial Estate, Lakeside Road, Colnbrook, SLOUGH, SL3 0ED



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.



Sensitive Land Uses

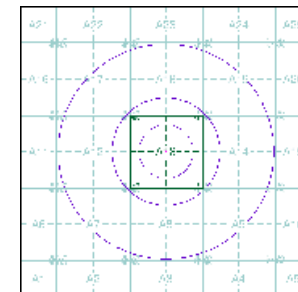
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 193955180_1_1
 Customer Ref: 1620005898
 National Grid Reference: 503400, 178010
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Lakeside Industrial Estate, Lakeside Road, Colnbrook, SLOUGH, SL3 0ED



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

193955180_1_1

Customer Reference:

1620005898

National Grid Reference:

503400, 178010

Slice:

A

Site Area (Ha):

0.01

Search Buffer (m):

1000

Site Details:

Lakeside Industrial Estate

Lakeside Road

Colnbrook

SLOUGH

SL3 0ED

Client Details:

Ms B Hoad

Ramboll UK Ltd

Carlton House

Ringwood Road

Woodlands

Southampton

SO40 7HT

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	33
Hazardous Substances	-
Geological	53
Industrial Land Use	64
Sensitive Land Use	78
Data Currency	79
Data Suppliers	86
Useful Contacts	87

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

Copyright Notice

© Landmark Information Group Limited 2019. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2019. © Natural Resources Wales & United Kingdom Research and Innovation 2019.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2019. Land & Property Services © Crown copyright and database right.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				26
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 7				1
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 8				18
Local Authority Integrated Pollution Prevention And Control	pg 11				1
Local Authority Pollution Prevention and Controls	pg 11				7
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 12		Yes		
Pollution Incidents to Controlled Waters	pg 12		1		5
Prosecutions Relating to Authorised Processes	pg 13				1
Registered Radioactive Substances	pg 14				2
River Quality	pg 14			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 14		3		8 (*16)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 21	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 21		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 21		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 21		9	23	64

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 33	1			3
Historical Landfill Sites	pg 33		1		8
Integrated Pollution Control Registered Waste Sites	pg 35				10
Licensed Waste Management Facilities (Landfill Boundaries)	pg 36			1	3
Licensed Waste Management Facilities (Locations)	pg 37			1	10
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 40		1		5
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 41		3		6
Registered Landfill Sites	pg 42	1		1	10
Registered Waste Transfer Sites	pg 51				2
Registered Waste Treatment or Disposal Sites	pg 52				2
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 53	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 53	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 58		2	5	15
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages	pg 62				Yes
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 62		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 63	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 63	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 63	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 63	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 64				69
Fuel Station Entries	pg 70				1
Points of Interest - Commercial Services	pg 70				51
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 75				7
Points of Interest - Public Infrastructure	pg 76		5	5	11
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 78		1		
Areas of Adopted Green Belt	pg 78	1	1		1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 78				1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	0	1	503403 178008
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	9	1	503400 178000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	158	1	503403 177850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	158	1	503400 177850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	215	1	503350 177800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	262	1	503450 177750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	365	1	503050 178100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	376	1	503750 178150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	442	1	503800 178200
1	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Iver South Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2694 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 21st August 2003 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Colne Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	539	2	503900 177801
1	Discharge Consents Operator: Thames Water Utilities Limited, Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Iver South Stw, Iver South, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSC.2337 Permit Version: 1 Effective Date: 5th November 1985 Issued Date: 5th November 1985 Revocation Date: 21st August 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Colne Brook Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	539	2	503900 177800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Eton Rdc (Thames Water (S+W)) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Iver South Stw, Iver South, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.0526 Permit Version: 1 Effective Date: 31st January 1985 Issued Date: 6th June 1962 Revocation Date: 5th November 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Colne Brook Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location</p>	A14SW (SE)	539	2	503900 177800
2	<p>Discharge Consents</p> <p>Operator: S. Grundon (Services) Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Tanhouse Farm Landfill Site Area 22 Lakeside Road, Colnbrook Bypass, Slough, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0314 Permit Version: 1 Effective Date: 16th October 2001 Issued Date: 16th October 2001 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Colnbrook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A8NE (S)	616	2	503500 177400
3	<p>Discharge Consents</p> <p>Operator: James A Jobling & Co Ltd, Sunderland, Co. Durham Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Factory, Lakeside Industrial Estate, Colnbrook, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.1051 Permit Version: 1 Effective Date: 14th November 1968 Issued Date: 14th November 1968 Revocation Date: 7th July 1994 Discharge Type: Unknown Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Colne Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	633	2	504000 177800
4	<p>Discharge Consents</p> <p>Operator: The Occupier Property Type: WHOLESALE TRADE (NOT MOTOR VEHICLES) Location: Heathrow Coldstore, Lakeside Road, Lakeside Estate, Colnbrook Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctcu.1430 Permit Version: 1 Effective Date: 8th July 1983 Issued Date: 8th July 1983 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Superficial Deps Ovr Gravel Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	645	2	503800 177500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: S. Grundon (Services) Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Area 22, Tanhouse Farm, Colnbrook, Buckinghamshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.1104 Permit Version: 1 Effective Date: 8th October 1993 Issued Date: 8th October 1993 Revocation Date: 2nd September 2013 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge: Freshwater Stream/River Environment: Receiving Water: Colne Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m</p>	A8NE (SE)	677	2	503700 177400
6	<p>Discharge Consents</p> <p>Operator: Tremolat Properties Ltd Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Square Grip Factory, Lakeside Rd, Lakeside Ind Est, Colnbrook, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.1302 Permit Version: 1 Effective Date: 17th February 1994 Issued Date: 17th February 1994 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Lake/Reservoir - with outlet Environment: Receiving Water: Orlytt Lake Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	683	2	503950 177600
7	<p>Discharge Consents</p> <p>Operator: Hellmann International Forwarders Ltd. Property Type: CONSTRUCTION OF BUILDINGS Location: Hellman House, Lakeside Road, Colnbrook Bypass, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.0489 Permit Version: 1 Effective Date: 4th September 1992 Issued Date: 4th September 1992 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Colne Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	708	2	503400 177300
8	<p>Discharge Consents</p> <p>Operator: The Occupier Property Type: WHOLESALE TRADE (NOT MOTOR VEHICLES) Location: Heathrow Coldstore, Lakeside Road, Lakeside Estate, Colnbrook Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctcu.1431 Permit Version: 1 Effective Date: 8th July 1983 Issued Date: 8th July 1983 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Superficial Deps Ovr Gravel Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	711	2	503900 177500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Miles Druce Services Ltd Property Type: Undefined Or Other Location: Lakeside Estate, Colnbrook Bypass, Colnbrook, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcu.0429 Permit Version: 1 Effective Date: 12th June 1968 Issued Date: 12th June 1968 Revocation Date: 30th June 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	786	2	503900 177400
10	<p>Discharge Consents</p> <p>Operator: Rontec Watford Limited Property Type: MAKING OF COKE + REFINED PETROLEUM PRODUCTS Location: Vehicle Maintenance Plant At Colnbrook By-Pass, Colnbrook, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTCU.1393 Permit Version: 1 Effective Date: 26th May 1983 Issued Date: 26th May 1983 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Land/Soakaway Environment: Receiving Water: Alluvium O/L Gravel Ovr Clay Status: Transferred from Water Resources Act 1963 Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	792	2	503480 177220
11	<p>Discharge Consents</p> <p>Operator: Amec Construction Services Property Type: Undefined Or Other Location: Old Square Grip Site, Lakeside Ind. Est., Colnbrook, Bucks. Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctwc.1042 Permit Version: 1 Effective Date: 24th July 1986 Issued Date: 24th July 1986 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Gravel Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	793	2	504070 177580
12	<p>Discharge Consents</p> <p>Operator: W G T C Nominees Limited Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Lakeside Industrial Park, Colnbrook, Buckinghamshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.0218 Permit Version: 1 Effective Date: 7th May 1992 Issued Date: 7th May 1992 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Lake/Reservoir - with outlet Environment: Receiving Water: A Pond Trib Of The Colne Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	808	2	504210 178010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>Discharge Consents</p> <p>Operator: British Overseas Bank Nominees Limited Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Lakeside Industrial Park, Colnbrook, Buckinghamshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntm.0218 Permit Version: 1 Effective Date: 7th May 1992 Issued Date: 7th May 1992 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Lake/Reservoir - with outlet Environment: Receiving Water: A Pond Trib Of The Colne Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	808	2	504210 178010
13	<p>Discharge Consents</p> <p>Operator: S. Grundon (Ewelme) Ltd. Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Lakeside Road, Colnbrook, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcu.0908 Permit Version: 2 Effective Date: 26th October 2006 Issued Date: 26th October 2006 Revocation Date: 2nd September 2013 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: To Land Via Horizontal Pipes Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	812	2	503800 177300
13	<p>Discharge Consents</p> <p>Operator: S. Grundon (Ewelme) Ltd. Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Lakeside Road, Colnbrook, Bucks Authority: Environment Agency, Thames Region Catchment Area: Thames Reference: CTCU.0908 Permit Version: 1 Effective Date: 7th November 1979 Issued Date: 7th November 1979 Revocation Date: 25th October 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Not Supplied Status: Transferred from Water Resources Act 1963 Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	812	2	503800 177300
14	<p>Discharge Consents</p> <p>Operator: Three Valleys Water Plc. Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Colnbrook Shaft, Off A4, Colnbrook, Middlesex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTS.0002 Permit Version: 1 Effective Date: 11th February 1992 Issued Date: 11th February 1992 Revocation Date: Not Supplied Discharge Type: Unknown Discharge: Freshwater Stream/River Environment: Receiving Water: Colnbrook Status: New Consent (Water Industry Act 1991, Section 166) Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	813	2	502700 177600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p>Discharge Consents</p> <p>Operator: The Occupier Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Christiansens Nurseries, Colnbrook By Pass, Iver, Bucks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctcu.0862 Permit Version: 1 Effective Date: 9th May 1979 Issued Date: 9th May 1979 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Loam And Gravel Strata Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	833	2	503200 177200
16	<p>Discharge Consents</p> <p>Operator: S Grundon Property Type: Not Given Location: S Grundon (Waste) Ltd, Lakeside Road, Colnbrook, SLOUGH, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CHME.0053 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 28th May 1993 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Trade And Surface Water Authorised By Hmp Discharge: Into Land Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	900	2	503800 177200
17	<p>Discharge Consents</p> <p>Operator: Aggregate Industries Uk Limited Property Type: Undefined Or Other Location: Colnebrook Aggregate Depot Bath Rd Colnbrook Slough Slough SL3 0eb Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0628 Permit Version: 1 Effective Date: 22nd October 2003 Issued Date: 22nd October 2003 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Colne Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	918	2	504320 177990
18	<p>Discharge Consents</p> <p>Operator: Heathrow Airport Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Colnbrook Logistic Centre Colnbrook Bypass Colnbrook Slough Berkshire SL3 0ed Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0453 Permit Version: 1 Effective Date: 10th October 2002 Issued Date: 10th October 2002 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Cess Drain Of The County Ditch Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	940	2	503900 177210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Discharge Consents</p> <p>Operator: Rmc Environmental Services Ltd. Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Colnbrook Quarry, Sutton Lane, Colnbrook, Herts Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.1248 Permit Version: 1 Effective Date: 17th January 1994 Issued Date: 17th January 1994 Revocation Date: 28th January 2003 Discharge Type: Trade Discharge - Mineral Workings Discharge: Freshwater Stream/River Environment: Receiving Water: Horton Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	951	2	502600 177500
19	<p>Discharge Consents</p> <p>Operator: Rmc Aggregates (Southern) Ltd. Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Colnbrook Quarry, Sutton Lane, Colnbrook, Herts Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTWC.3009 Permit Version: 1 Effective Date: 21st December 1988 Issued Date: 21st December 1988 Revocation Date: 17th January 1994 Discharge Type: Trade Discharge - Mineral Workings Discharge: Freshwater Stream/River Environment: Receiving Water: Horton Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	951	2	502600 177500
20	<p>Discharge Consents</p> <p>Operator: Foster Yeoman Ltd Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Colnbrook Aggregate Depot Bath Rd Colnbrook Slough Slough Sl3 0eb Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0731 Permit Version: 1 Effective Date: 18th March 2004 Issued Date: 18th March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Bigley Ditch-Trib Of Colne Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	955	2	504300 177680
20	<p>Discharge Consents</p> <p>Operator: Aggregate Industries Uk Limited Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Colnbrook Aggregate Depot Bath Rd Colnbrook Slough Slough Sl3 0eb Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0631 Permit Version: 1 Effective Date: 23rd October 2003 Issued Date: 23rd October 2003 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Bigley Ditch Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	955	2	504300 177680
21	<p>Enforcement and Prohibition Notices</p> <p>Location: Not Given, COLNBROOK, . Permit Reference: Not Given Enforcement Date: Not Supplied Details: After An Uncontrolled Fire In Their Incinerator - No Waste To Be Loaded Until An Incodent Report Has Been Submitted And Corrective Actions Implemented. Positional Accuracy: Manually positioned to the address or location</p>	A9SW (SE)	843	2	503870 177306

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Incinerator Colnbrook, Lakeside Energy From Waste Facility, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: CP3330KS Original Permit Ref: Bt7116iw Effective Date: 1st September 2009 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned to the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A8NE (S)	631	2	503479 177382
23	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grundon Waste Management Ltd Location: Grundon Incinerator Colnbrook, Lakeside Clinical Waste Incinerator, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: WP3037GS Original Permit Ref: Bt2866ig Effective Date: 6th July 2009 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: Y</p>	A9NW (SE)	681	2	503971 177632
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Facility Epr/Bt7116iw, Lakeside Energy From Waste Facility, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: DP3337HN Original Permit Ref: Bt7116iw Effective Date: 3rd March 2011 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	812	2	503800 177300
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Incinerator Colnbrook, Lakeside Energy From Waste Facility, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: DP3337HN Original Permit Ref: Bt7116iw Effective Date: 3rd March 2011 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	812	2	503800 177300
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Facility Epr/Bt7116iw, Lakeside Energy From Waste Facility, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: CP3330KS Original Permit Ref: Bt7116iw Effective Date: 1st September 2009 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 100m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	812	2	503800 177300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Facility Epr/Bt7116iw, Lakeside Energy From Waste Facility, Lakeside Road, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: KP3837RW Original Permit Ref: Bt7116iw Effective Date: Not Supplied Status: Valid Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A9SW (SE)	812	2	503800 177300
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Facility Epr/Bt7116iw, Lakeside Road, Colnbrook,, SLOUGH, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: BT7116IW Original Permit Ref: Bt7116iw Effective Date: 1st December 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	837	2	503880 177320
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Incinerator Colnbrook, Lakeside Road, Colnbrook, Slough, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: Bt7116iw Original Permit Ref: Bt7116iw Effective Date: 1st December 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	837	2	503880 177320
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grundon Waste Management Ltd Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: SP3234UH Original Permit Ref: Fp3534sb Effective Date: 30th June 2007 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: Y</p>	A9SW (SE)	844	2	503869 177304
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: S Grundon (Waste) Limited Location: Grundon Incinerator Colnbrook, Lakeside Road, Colnbrook,, SLOUGH, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: Kp3333lw Original Permit Ref: Bt2866ig Effective Date: 1st September 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (E) Activity Description: Waste Incineration; Non Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	844	2	503869 177304

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grundon Waste Management Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: Fp3534sb Original Permit Ref: Fp3534sb Effective Date: 26th October 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: Y</p>	A9SW (SE)	844	2	503869 177304
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: S Grundon (Waste) Ltd Location: Grundon Incinerator Colnbrook, Lakeside Road, Colnbrook, Slough, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: Bt2866ig Original Permit Ref: Bt2866ig Effective Date: 1st December 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 5.1 A(1) (E) Activity Description: Waste Incineration; Non Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	844	2	503869 177305
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Lakeside Energy From Waste Limited Location: Lakeside Efw Facility Epr/Bt7116iw, Lakeside Energy From Waste Facility, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: CP3933VG Original Permit Ref: Bt7116iw Effective Date: 7th February 2014 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A9SW (SE)	855	2	503863 177288
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grundon Waste Management Ltd Location: Grundon Incinerator Colnbrook, Lakeside Clinical Waste Incinerator, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: WP3037GS Original Permit Ref: Bt2866ig Effective Date: 6th July 2009 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: Y</p>	A9SW (SE)	865	2	503778 177229
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grundon Waste Management Ltd Location: Colnbrook Clinical Waste Incinerator, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: SP3234UH Original Permit Ref: Fp3534sb Effective Date: 30th June 2007 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: Y</p>	A9SW (SE)	865	2	503778 177229

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: S Grundon (Waste) Limited Location: Grundon Incinerator Colnbrook, Lakeside Road, Colnbrook,, SLOUGH, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: KP3333LW Original Permit Ref: Bt2866ig Effective Date: 1st September 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (E) Activity Description: Waste Incineration; Non Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	865	2	503778 177229
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grundon Waste Management Ltd Location: Colnbrook Clinical Waste Incinerator, Lakeside Road,,Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - South East Region, West Thames Area Permit Reference: FP3534SB Original Permit Ref: Fp3534sb Effective Date: 26th October 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: Y</p>	A9SW (SE)	865	2	503778 177229
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: S Grundon (Waste) Ltd Location: Grundon Incinerator Colnbrook, Lakeside Road, Colnbrook,, SLOUGH, SL3 0EG Authority: Environment Agency - South East Region, North East Thames Area Permit Reference: BT2866IG Original Permit Ref: Bt2866ig Effective Date: 1st December 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (E) Activity Description: Waste Incineration; Non Hazardous Waste Unless Otherwise Stated Primary Activity: Y</p>	A9SW (SE)	865	2	503778 177229
27	<p>Local Authority Integrated Pollution Prevention And Control</p> <p>Name: S Grundon Waste Ltd Location: Lakeside Road, Colnbrook, Slough, Berkshire, SL3 0EG Authority: Slough Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Waste Management Description: Incineration Plant Status: Permit Issued Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	848	3	503870 177300
28	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Bp Chequers Service Station Location: Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EH Authority: Slough Borough Council, Environmental Health Department Permit Reference: PPC/PFS/07/3 Dated: 31st December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	772	3	503479 177240
29	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Heathrow Asphalt Location: Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0et Authority: Slough Borough Council, Environmental Health Department Permit Reference: PPC/14/15 Dated: 10th February 2014 Process Type: Local Authority Pollution Prevention and Control Description: PG3/15 Mineral drying and roadstone coating processes Status: Permitted Positional Accuracy: Manually positioned to the road within the address or location</p>	A8SW (S)	780	3	503225 177249

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Lafarge Cement Uk Plant Location: Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0ET Authority: Slough Borough Council, Environmental Health Department Permit Reference: PPC/07/15 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p>	A8SW (S)	831	3	503208 177200
31	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: London Concrete (Heathrow Plant) Location: Colnbrook By Pass, Slough, Berkshire, SL3 0EB Authority: Slough Borough Council, Environmental Health Department Permit Reference: PPC/07/16 Dated: 6th June 2003 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	895	3	504289 177884
32	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: J Mcardle Construction Ltd Location: Mcardle House, Mcardle Way, Colnbrook, Slough, SL3 0rg Authority: Slough Borough Council, Environmental Health Department Permit Reference: PPC/06/2 Dated: 29th December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A7SE (SW)	970	3	502926 177164
32	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Mcardle Contractors Ltd Location: Mcardle House, Mcardle Way, Colnbrook, Slough, SL3 0rg Authority: Slough Borough Council, Environmental Health Department Permit Reference: PPC/06/1 Dated: 29th December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p>	A7SE (SW)	970	3	502926 177164
32	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Mcardle Contractors Ltd Location: Mcardle House, Mcardle Way, Colnbrook, Slough, SL3 0rg Authority: Slough Borough Council, Environmental Health Department Permit Reference: PPC/06/2 Dated: 18th September 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A7SE (SW)	970	3	502925 177164
	Nearest Surface Water Feature	A13NE (NE)	11	-	503412 178013
33	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: COLNBROOK Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 2nd May 1995 Incident Reference: N1950224 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	230	2	503500 177800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Red Lion, COLNBROOK Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 13th May 1993 Incident Reference: N1930183 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	508	2	503000 177700
35	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: COLNBROOK Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 5th January 1995 Incident Reference: N1950006 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	592	2	503100 177500
35	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: COLNBROOK Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 11th February 1995 Incident Reference: N1950067 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	596	2	503100 177495
36	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Iver South Stw Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 25th November 1993 Incident Reference: N1930368 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	814	2	503500 177200
37	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: COLNBROOK Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 5th March 1997 Incident Reference: THN11997031114 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	969	2	502800 177250
38	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Land At Colnbrook Bypass, Colnbrook, Slough Prosecution Text: Operating an illegal waste transfer station - 2 year community order served Prosecution Act: Epa90 S33 Hearing Date: 4th August 2011 Verdict: Guilty Fine: 881513 Costs: 0 Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NE (SW)	843	2	502774 177447

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	<p>Registered Radioactive Substances</p> <p>Name: Grundon Waste Management Limited Location: Lakeside Road ,,, Colnbrook, SLOUGH, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: CE4317 Dated: 20th May 2010 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Manually positioned to the road within the address or location</p>	A9NW (SE)	730	2	503883 177458
40	<p>Registered Radioactive Substances</p> <p>Name: Grundon Waste Management Limited Location: Lakeside Road, Colnbrook, Slough, Sl3 0eg Authority: Environment Agency, Thames Region Permit Reference: TB3439DM Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	837	2	503880 177320
	<p>River Quality</p> <p>Name: Horton Bk GQA Grade: River Quality C Reach: Pinewood Studios - Colne Bk Estimated Distance (km): 14.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000</p>	A12NE (W)	386	2	503030 178106
	<p>River Quality</p> <p>Name: Colne Bk GQA Grade: River Quality A Reach: Uxbridge Moor - Thames Estimated Distance (km): 15 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000</p>	A14SE (E)	954	2	504300 177684
41	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 28/39/28/0576 Permit Version: 1 Location: Iver South Stw, Iver-Borehole A Authority: Environment Agency, Thames Region Abstraction: Water supply related: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Iver South Stw, Iver Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	170	2	503530 178120
41	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 28/39/28/0576 Permit Version: 1 Location: Iver South Stw, Iver-Borehole A Authority: Environment Agency, Thames Region Abstraction: Water supply related: General Use (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Iver South Stw, Iver. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	170	2	503530 178120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	<p>Water Abstractions</p> <p>Operator: Thames Water Utilities Ltd Licence Number: 28/39/28/0576/R01 Permit Version: 1 Location: Iver South Stw, Iver-Borehole A Authority: Environment Agency, Thames Region Abstraction: Water supply related: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	172	2	503526 178127
42	<p>Water Abstractions</p> <p>Operator: G C Reeves Licence Number: 28/39/28/0281 Permit Version: Not Supplied Location: Old Slade Farm, RITCHINGS PARK Authority: Environment Agency, Thames Region Abstraction: Industrial Processing (Food And Drink) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 8 Yearly Rate (m3): 172 Details: Additional Purpose(s) - Agriculture (100). River Gravel. Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	700	2	503500 178700
43	<p>Water Abstractions</p> <p>Operator: Richings Park Golf Limited Licence Number: 28/39/28/0604 Permit Version: 1 Location: Horton Brook, North Park, Richings Park, Iver Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: North Park, Richings Park, Iver, Bucks. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 24th July 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	849	2	502860 178660
43	<p>Water Abstractions</p> <p>Operator: Richings Park Golf Limited Licence Number: 28/39/28/0522 Permit Version: 102 Location: Horton Brook, North Park, Richings Park, Iver Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: North Park, Richings Park, Iver, Bucks. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 24th June 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	849	2	502860 178660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<p>Water Abstractions</p> <p>Operator: Richings Park Golf & C C Ltd Licence Number: 28/39/28/0522 Permit Version: 100 Location: Horton Brook, North Park, Richings Park, Iver Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 800 Yearly Rate (m3): 13000 Details: North Park, Richings Park, Iver Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 17th April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	849	2	502860 178660
43	<p>Water Abstractions</p> <p>Operator: Richings Park Golf Limited Licence Number: 28/39/28/0614/R01 Permit Version: 1 Location: Horton Brook, North Park, Richings Park, Iver Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richings Park, North Park, Iver, Buckinghamshire Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	853	2	502854 178660
43	<p>Water Abstractions</p> <p>Operator: Richings Park Golf Limited Licence Number: 28/39/28/0614 Permit Version: 1 Location: Horton Brook, North Park, Richings Park, Iver Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Richings Park, North Park, Iver, Buckinghamshire Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 24th June 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	853	2	502854 178660
44	<p>Water Abstractions</p> <p>Operator: J Rayner & Sons Ltd Licence Number: 28/39/28/0301 Permit Version: 100 Location: Points K To L On Un-Named Watercourse Atsutton Farm Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 1273 Yearly Rate (m3): 54552 Details: Berkin And Horton Manor Farms At Horton And Sutton Farm At Colnbrook Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 30th September 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	888	2	502530 177850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p>Water Abstractions</p> <p>Operator: Rmc Aggregates (Greater London) Ltd Licence Number: 28/39/28/0500 Permit Version: 100 Location: Underground Strata (Chalk) At Colnbrook Quarry, Colnbrook Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2273 Yearly Rate (m3): 643272 Details: Colnbrook Quarry, Colnbrook, Bucks Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	954	2	502500 177700
	<p>Water Abstractions</p> <p>Operator: J Rayner & Sons Ltd Licence Number: 28/39/28/0301 Permit Version: Not Supplied Location: Berkyn Manor, HORTON Authority: Environment Agency, Thames Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: River/Stream Intake Daily Rate (m3): 1273 Yearly Rate (m3): 54552 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A11NE (W)	1062	2	502350 178140
	<p>Water Abstractions</p> <p>Operator: J Raynor & Sons Limited Licence Number: 28/39/28/0204 Permit Version: 100 Location: Well 'A' At Berkyn Manor, Horton Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Berkyn Manor, Horton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th November 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	1281	2	502500 177100
	<p>Water Abstractions</p> <p>Operator: J Rayner & Sons Ltd Licence Number: 28/39/28/0301 Permit Version: Not Supplied Location: Berkyn Manor, HORTON Authority: Environment Agency, Thames Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: River/Stream Intake Daily Rate (m3): 1273 Yearly Rate (m3): 54552 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NW (SW)	1299	2	502650 176950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: J Rayner & Sons Ltd Licence Number: 28/39/28/0301 Permit Version: Not Supplied Location: Berkyn Manor, HORTON Authority: Environment Agency, Thames Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: River/Stream Intake Daily Rate (m3): 1273 Yearly Rate (m3): 54552 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NW (SW)	1327	2	502630 176930
	<p>Water Abstractions</p> <p>Operator: Cemex Uk Materials Limited Licence Number: 28/39/28/0580 Permit Version: 2 Location: Poyle Quarry, Old Bath Road, Colnbrook- Point A Authority: Environment Agency, Thames Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Poyle Quarry, Old Bath Road, Colnbrook, Buckinghamshire. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th June 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2NW (SW)	1423	2	502720 176760
	<p>Water Abstractions</p> <p>Operator: Rmc Aggregates (Greater London) Ltd Licence Number: 28/39/28/0580 Permit Version: 1 Location: Poyle Quarry, Old Bath Road, Colnbrook- Point A Authority: Environment Agency, Thames Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Poyle Quarry, Old Bath Road, Colnbrook, Buckinghamshire. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2NW (SW)	1423	2	502720 176760
	<p>Water Abstractions</p> <p>Operator: Cemex Uk Materials Limited Licence Number: Th/039/0028/047 Permit Version: 1 Location: Langley Quarry, Richings Park, Langley - Freshwater Lagoon Authority: Environment Agency, Thames Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st October 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A22SE (NW)	1426	2	502837 179316

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Cemex Uk Materials Limited Licence Number: Th/039/0028/047 Permit Version: 1 Location: Langley Quarry, Richings Park, Langley - Freshwater Lagoon Authority: Environment Agency, Thames Region Abstraction: Extractive: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st October 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A22SE (NW)	1426	2	502837 179316
	<p>Water Abstractions</p> <p>Operator: Cemex Uk Materials Limited Licence Number: Th/039/0028/047 Permit Version: 1 Location: Langley Quarry, Richings Park, Langley - Freshwater Lagoon Authority: Environment Agency, Thames Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st October 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A22SE (NW)	1426	2	502837 179316
	<p>Water Abstractions</p> <p>Operator: Cemex Uk Materials Limited Licence Number: Th/039/0028/047 Permit Version: 1 Location: Langley Quarry, Richings Park, Langley - Freshwater Lagoon Authority: Environment Agency, Thames Region Abstraction: Extractive: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st October 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A22SE (NW)	1426	2	502837 179316
	<p>Water Abstractions</p> <p>Operator: Rmc Aggregates (Greater London) Ltd Licence Number: 28/39/28/0528 Permit Version: 100 Location: Underground Strata (Gravel) At Poyles Quarry, Colnbrook Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2500 Yearly Rate (m3): 700000 Details: Poyle Quarry, Colnbrook Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NW (SW)	1554	2	502630 176660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: W Boyer & Sons Ltd Licence Number: 28/39/28/0038 Permit Version: Not Supplied Location: Colnbrook, COLNBROOK Authority: Environment Agency, Thames Region Abstraction: Sand And Gravel Washing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1164 Yearly Rate (m3): 332839 Details: River Gravel; Licence Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A20NE (NE)	1607	2	504800 178800
	<p>Water Abstractions</p> <p>Operator: British Airways Plc Licence Number: 28/39/28/0530 Permit Version: 100 Location: Rive Colne At Prospect Park, West Drayton Authority: Environment Agency, Thames Region Abstraction: Transport: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 480 Yearly Rate (m3): 7300 Details: Prospect Park, West Drayton Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 24th March 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NE (E)	1676	2	505000 177500
	<p>Water Abstractions</p> <p>Operator: Wiggins Transport Ltd Licence Number: 28/39/28/0409 Permit Version: 100 Location: Borehole At Media Works, Poyle Road, Colnbrook Authority: Environment Agency, Thames Region Abstraction: Transport: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 454 Details: Media Works, Poyle Road, Colnbrook Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(S)	1877	2	502900 176200
	<p>Water Abstractions</p> <p>Operator: J Rayner & Sons Ltd Licence Number: 28/39/28/0301 Permit Version: 100 Location: Points N To P On River Colnbrook At Berkin Manor Farm Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 1273 Yearly Rate (m3): 54552 Details: Berkin And Horton Manor Farms At Horton And Sutton Farm At Colnbrook Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 30th September 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2SW (SW)	1879	2	502500 176360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Baa Plc Licence Number: 28/39/28/0581 Permit Version: 1 Location: Headworks Of Longford River- Point A Authority: Environment Agency, Thames Region Abstraction: Construction: Transfer between sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Headworks Of Longford River, Bath Road, Longford, West Drayton. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5SE (SE)	1920	2	504760 176650
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 39 West London Scale: 1:100,000	A13NE (NE)	0	2	503403 178008
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (NE)	0	4	503403 178008
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	4	503403 178008
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	190	2	503238 178102
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	209	2	503345 178208
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	190	2	503238 178102
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	213	2	503383 178219
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 365.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (E)	12	5	503414 178012
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	81	5	503338 178056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	81	5	503338 178056
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	127	5	503365 178129
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	130	5	503366 178132
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 360.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	200	5	503230 178107
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	200	5	503230 178107
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	208	5	503241 178136
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 257.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	238	5	503263 178200
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	381	5	503150 178292
56	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 50.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	381	5	503150 178292

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 26.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	382	5	503212 178338
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	382	5	503212 178338
59	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	384	5	503188 178326
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (NW)	402	5	503179 178341
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	411	5	503003 178102
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	413	5	503010 178134
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	416	5	503229 178385
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	416	5	503229 178385
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 250.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	426	5	503372 178432

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A18SW (N)	426	5	503372 178432
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NW)	444	5	503000 178193
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	448	5	502975 178138
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NW)	448	5	503001 178205
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NW)	448	5	503001 178205
71	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 51.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	449	5	503140 178372
72	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A18SW (N)	461	5	503311 178458
73	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	465	5	503294 178460
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	465	5	503294 178460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	467	5	503303 178464
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1669.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 1	A14SW (SE)	485	5	503819 177758
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NW)	496	5	503002 178299
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 312.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	513	5	502890 178022
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A12NE (W)	513	5	502890 178022
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 292.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NE (SW)	523	5	503058 177615
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 310.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	524	5	502893 178124
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A12NE (W)	525	5	502879 178024
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	560	5	502845 178041

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	562	5	502842 178036
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 309.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	563	5	502841 178033
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A17SE (NW)	608	5	503008 178469
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	608	5	503008 178469
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 222.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SE (NE)	623	5	503700 178555
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A17SE (NW)	653	5	502978 178502
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SE (N)	659	5	503481 178661
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A17SE (NW)	659	5	502977 178509
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SE (N)	660	5	503455 178665

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 197.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SW (SE)	673	5	504001 177699
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NW (SE)	689	5	503934 177569
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NW (SE)	691	5	503928 177558
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A17SE (NW)	692	5	502989 178562
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	692	5	502989 178562
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A17SE (NW)	699	5	502971 178557
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (W)	705	5	502728 178209
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A17SE (NW)	709	5	502983 178578
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1040.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	709	5	502983 178578

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12SE (W)	714	5	502737 177752
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	723	5	502705 178195
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	730	5	502684 178133
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 326.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	730	5	502684 178133
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	730	5	502685 178138
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	731	5	502685 178140
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 309.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	735	5	503348 177275
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 1	A8NW (SW)	746	5	503075 177339
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 2	A8NW (SW)	747	5	503078 177336

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	751	5	502686 178230
112	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 126.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	759	5	503466 178763
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SE (S)	779	5	503627 177262
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	783	5	502657 178244
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 457.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	797	5	503616 178775
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SE (S)	798	5	503627 177242
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14NE (E)	799	5	504191 178137
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1050.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 1	A14NE (E)	799	5	504191 178137
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 633.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NE (SW)	802	5	502799 177481

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 235.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12SW (SW)	833	5	502641 177673
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 221.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SE (S)	839	5	503635 177202
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 1	A7SE (SW)	859	5	502967 177268
123	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (W)	863	5	502584 178279
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SE (SW)	869	5	502885 177311
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	874	5	503380 177135
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	923	5	503769 177161
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	935	5	503178 177100
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 730.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SE (E)	957	5	504305 177689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	965	5	503119 177086
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	965	5	503119 177086
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 1	A7SE (SW)	972	5	502879 177190
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 2	A7SE (SW)	972	5	502879 177190
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 2	A7SE (SW)	973	5	502880 177188
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A7SE (S)	982	5	503058 177089
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	983	5	502554 177513
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	983	5	502554 177513
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	985	5	502554 177510

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 2	A7SE (SW)	987	5	503005 177105
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	991	5	503074 177074
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Colne Brook Catchment Name: Thames Primacy: 2	A7SE (SW)	991	5	503005 177101
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 271.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19NE (NE)	997	5	504087 178733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	BGS Recorded Landfill Sites Site Name: Richard Costain Ltd Location: Tanhouse Farm, Colnbrook, SLOUGH, Bucks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A13NE (NE)	0	-	503403 178008
143	BGS Recorded Landfill Sites Site Name: Proced Products Location: Colnebrook-by-pass, COLNEBROOK, Bucks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Threat to ground water Surface Water: Threat to surface water Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A8NE (S)	568	-	503523 177453
144	BGS Recorded Landfill Sites Site Name: St Albans Sand & Gravel Location: Larbourne Fm, Bucks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A19SW (NE)	670	-	503954 178388
145	BGS Recorded Landfill Sites Site Name: W Bowyers & Son Location: Colnbrook, IVER, Bucks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A9NE (SE)	813	-	504124 177633
146	Historical Landfill Sites Licence Holder: D and H Reclamation Limited Location: Bypass Road, Poyle, Colnebrook, Buckinghamshire Name: Tanhouse Farm No.1 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD10141 First Input Date: 31st December 1964 Last Input Date: 8th April 1991 Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0350/0079 BGS Ref: 1592 Other Ref: WDA126, SLO30	A13SW (SW)	1	2	503403 178008
147	Historical Landfill Sites Licence Holder: D and H Reclamation Limited Location: Bypass Road, Poyle, Colnebrook, Buckinghamshire Name: Tanhouse Farm No.2 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD10148 First Input Date: 31st December 1976 Last Input Date: 31st December 1991 Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0350/0086 BGS Ref: Not Supplied Other Ref: WDA151, SLO31	A7NE (SW)	526	2	503047 177622

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	<p>Historical Landfill Sites</p> <p>Licence Holder: William Boyer and Sons Limited Location: Lakeside Road, Poyle, Colnbrook, Buckinghamshire Name: Orlitts Lake Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD10142 First Input Date: 31st December 1991 Last Input Date: 28th February 1993 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0350/0080 BGS Ref: Not Supplied Other Ref: WDA345, SLO34</p>	A14SW (E)	566	2	503964 177938
149	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Colnebrook-Bypass, Colnebrook, Buckinghamshire Name: Procea Products Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD32335 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1597 Other Ref: Not Supplied</p>	A8NE (S)	570	2	503525 177452
150	<p>Historical Landfill Sites</p> <p>Licence Holder: Hall Aggregates (Thames Valley) Limited Location: Thorney Mill Road, Iver, Buckinghamshire Name: Larbourne Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD12532 First Input Date: 31st December 1977 Last Input Date: 31st December 1990 Specified Waste: Deposited Waste included Inert, Industrial, Commercial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0400/0328 BGS Ref: Not Supplied Other Ref: WDA/128</p>	A19SW (NE)	668	2	503966 178366
151	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Larbourne Farm, Buckinghamshire Name: St. Albans Sand and Gravel Company Limited Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD32332 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1589 Other Ref: Not Supplied</p>	A19SW (NE)	671	2	503956 178387
152	<p>Historical Landfill Sites</p> <p>Licence Holder: William Boyer and Sons Limited Location: Poyle, Colnbrook, Buckinghamshire Name: Colnbrook By Pass No.1 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD10144 First Input Date: 31st December 1965 Last Input Date: 31st March 1993 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0350/0082 BGS Ref: 1593 Other Ref: SLO25, WDA123</p>	A9NE (SE)	817	2	504130 177637

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	<p>Historical Landfill Sites</p> <p>Licence Holder: William Boyer and Sons Limited Location: Poyle, Colnbrook, Buckinghamshire Name: Colnbrook By Pass No.2 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD10140 First Input Date: 31st December 1977 Last Input Date: 31st December 1993 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0350/0078 BGS Ref: Not Supplied Other Ref: WDA186, SLO27</p>	A14SE (E)	921	2	504324 177983
154	<p>Historical Landfill Sites</p> <p>Licence Holder: British Airways Plc Location: Longford, West Drayton, Hillingdon, London Name: Home Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD11337 First Input Date: 31st December 1963 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 5510/0021 BGS Ref: Not Supplied Other Ref: G5, 8HI013, DL597, HIL013</p>	A14SE (E)	963	2	504311 177690
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grndon (Waste) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: BD2683 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	837	2	503864 177309
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grndon (Waste) Ltd Location: Lakeside Road, SLOUGH, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: BA8847 Dated: 28th January 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	840	2	503869 177309
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grndon (Waste) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: AS8619 Dated: 11th March 1996 Process Type: IPC major (substantial) variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	843	2	503874 177309
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grndon (Waste) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: Bs9601 Dated: 1st November 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	844	2	503869 177304

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grundon (Waste) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: Bi3032 Dated: 14th June 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	844	2	503869 177304
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grundon (waste) Ltd Location: Lakeside Road, SLOUGH, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: BG5328 Dated: 10th December 1999 Process Type: IPC new application Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	844	2	503869 177304
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grundon (Waste) Ltd Location: Lakeside Road, SLOUGH, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: BE9683 Dated: 3rd February 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	844	2	503868 177304
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grundon (Waste) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: AQ7801 Dated: 9th August 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	847	2	503874 177304
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grundon (Waste) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: AG8390 Dated: 28th May 1993 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	848	2	503869 177299
155	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: S Grundon (Waste) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency, Thames Region Permit Reference: AP2227 Dated: 29th November 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	851	2	503874 177299
156	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Colnbrook Landfill Licence Number: 0 Location: Sutton Lane, Colnbrook, Berkshire, SL3 8AB Licence Holder: Biffa Waste Services Ltd Authority: Environment Agency - South East Region, West Thames Area Site Category: Waste Landfilling; >10 T/D with Capacity >25,000T Excluding Inert Waste Max Input Rate: Not Supplied Licence Status: Effective Issued: 14th January 2016 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A12NE (W)	371	2	503055 178134

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Tanhouse Farm, Colnbrook Licence Number: 83085 Location: Area 22, Tanhouse Landfill, A4 Colnbrook Bypass, Slough, Buckinghamshire, SL3 0EG Licence Holder: S Grundon (Waste) Ltd Authority: Environment Agency - Thames Region, North East Area Site Category: Household, Commercial And Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Inactive Issued: 24th July 1989 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A7NE (SW)	526	2	503045 177623
158	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Tanhouse Farm, Colnbrook Licence Number: 83085 Location: Area 22, Tanhouse Landfill, A4 Colnbrook Bypass, Slough, Buckinghamshire, SL3 0EG Licence Holder: S Grundon (Waste) Ltd Authority: Environment Agency - South East Region, North East Thames Area Site Category: Household, Commercial And Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Closure Issued: 24th July 1989 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A8NE (S)	551	2	503548 177476
159	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Egglesey Farm Area C Licence Number: 83074 Location: William Boyer & Sons Ltd, Egglesey Farm, Colnbrook Bypass Area C, Colnbrook, Berkshire, SL3 0EB Licence Holder: William Boyer & Sons Ltd Authority: Environment Agency - South East Region, North East Thames Area Site Category: Household, Commercial And Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Modified Issued: 19th September 1985 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A9SW (SE)	989	2	503868 177135
160	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 100726 Location: Iver South S T W, Lakeside Road, Colnbrook, Berkshire, SL3 0ED Operator Name: Thames Water Utilities Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Sewage sludge treatment Licence Status: Issued Issued: 16th January 2009 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (E)	282	2	503683 177981
161	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 83085 Location: Area 22, Tanhouse Landfill, A4 Colnbrook Bypass, Slough, Buckinghamshire, SL3 0EG Operator Name: S Grundon (Waste) Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Household, Commercial And Industrial Waste Landfills Licence Status: Closed Issued: 24th July 1989 Last Modified: 23rd September 2003 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	640	2	503528 177380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 83440 Location: Tanhouse Farm, Lakeside Road, Colnbrook, Slough, Berkshire, SL3 0EG Operator Name: Grundon Waste Management Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 14th July 2003 Last Modified: 1st May 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	644	2	503537 177378
162	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 83440 Location: Grundon Waste Management Ltd, Lakeside Road, Colnbrook, Slough, Berkshire, SL3 0EG Operator Name: Grundon Waste Management Ltd Operator Location: Grundon Waste Management Ltd, Lakeside Road, Colnbrook, Slough, Berkshire, SL3 0EG Authority: Environment Agency - Thames Region, South East Area Site Category: Material Recycling Treatment Facilities Licence Status: Issued Issued: 14th July 2003 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually corrected supplier location</p>	A8SE (S)	715	2	503500 177300
163	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 101014 Location: Colnbrook Flight Assembly Centre, Lakeside Road, Lakeside Ind Est, Colnbrook, Berkshire, SL3 0ED Operator Name: D H L Supply Chain Limited Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: HCl Waste TS + treatment Licence Status: Modified Issued: 30th October 2009 Last Modified: 4th February 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	786	2	503962 177456
164	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 83077 Location: Lakeside Road, Colnbrook Bypass, Colnbrook, Berkshire, SL3 0EG Operator Name: S Grundon (Waste) Ltd Operator Location: Lakeside Road, Colnbrook, Berkshire, SL3 0EG Authority: Environment Agency - Thames Region, South East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 27th June 1980 Last Modified: 22nd March 1996 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	861	2	503834 177263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 83077 Location: Lakeside Road, Colnbrook Bypass, Colnbrook, Berkshire, SL3 0EG Operator Name: S Grundon (Waste) Ltd Operator Location: Lakeside Road, Colnbrook, Berks, SL3 0EG Authority: Environment Agency - Thames Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 27th June 1980 Last Modified: 22nd March 1996 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	861	2	503834 177263
164	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 83077 Location: Grundon (Waste) Ltd, Lakeside Industrial Estate, Colnbrook Bypass, Colnbrook, Berkshire, SL3 0EG Operator Name: S Grundon (Waste) Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 27th June 1980 Last Modified: 22nd March 1996 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 28th September 2011 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	861	2	503834 177263
165	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 103366 Location: Colnbrook Depot, Colnbrook Bypass, Slough, Berkshire, SL3 0EB Operator Name: Aggregate Industries U K Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Treatment of waste to produce soil <75,000 tpy Licence Status: Issued Issued: 1st December 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	874	2	504231 177729
166	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 80634 Location: Mobile Plant Operator Name: McArdle Stabilisation Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Mobile Plant Licence Status: Revoked Issued: 17th August 2004 Last Modified: 22nd August 2006 Expires: Not Supplied Suspended: Not Supplied Revoked: 10th October 2017 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	970	2	502925 177164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	Licensed Waste Management Facilities (Locations) Licence Number: 80635 Location: Not Supplied Operator Name: McArdle Stabilisation Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Mobile Plant Licence Status: Surrendered Issued: 17th August 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	970	2	502925 177164
	Local Authority Landfill Coverage Name: Slough Borough Council - Has no landfill data to supply		0	6	503403 178008
	Local Authority Landfill Coverage Name: Buckinghamshire County Council - Has supplied landfill data		215	7	503370 178219
	Local Authority Landfill Coverage Name: South Buckinghamshire District Council - Has supplied landfill data		215	8	503370 178219
	Local Authority Landfill Coverage Name: London Borough of Hillingdon - Has not been able to supply Landfill data		957	9	504305 177690
167	Local Authority Recorded Landfill Sites Location: Tanhouse Farm (1), Poyle Reference: 193 Authority: South Buckinghamshire District Council Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A13SW (SW)	1	8	503402 178007
168	Local Authority Recorded Landfill Sites Location: Tanhouse Farm (2), Poyle Reference: 200 Authority: South Buckinghamshire District Council Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A7NE (SW)	526	8	503045 177623
169	Local Authority Recorded Landfill Sites Location: Orlitts Lake, Poyle Reference: 194 Authority: South Buckinghamshire District Council Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A14SW (E)	564	8	503962 177939
170	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 2891 Authority: South Buckinghamshire District Council Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A19SW (NE)	666	8	503964 178367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	Local Authority Recorded Landfill Sites Location: Colnbrook By Pass (1), Poyle Reference: 196 Authority: South Buckinghamshire District Council Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A9NE (SE)	819	8	504127 177628
172	Local Authority Recorded Landfill Sites Location: Colnbrook By Pass (2), Poyle Reference: 192 Authority: South Buckinghamshire District Council Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A14SE (E)	919	8	504321 177984
173	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A13SE (SE)	53	-	503430 177963
174	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A13NW (NW)	81	-	503330 178041
175	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A13SW (S)	246	-	503347 177768
176	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A9NW (SE)	629	-	503757 177488
177	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A14SW (E)	683	-	504067 177850
178	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A14NE (E)	793	-	504182 178154
179	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A17NE (NW)	840	-	502951 178715
180	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A8SE (S)	902	-	503591 177126
181	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A19SE (NE)	925	-	504199 178476

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	<p>Registered Landfill Sites</p> <p>Licence Holder: D & H Reclamation Ltd Licence Reference: 126 Site Location: Tanhouse Farm (Landfill), Colnbrook, Slough, Berkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Riverscroft, Chertsey Road, SHEPPERTON, Middlesex, TW17 9NY Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 21st October 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials \$ Prohibited Waste: Biodegradable/Putrescible Waste Commercial Waste Household + Commercial Waste Industrial Wastes Liquid Wastes Poisonous, Noxious, Polluting Wastes Waste N.O.S</p>	A13NE (NE)	0	2	503403 178008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	<p>Registered Landfill Sites</p> <p>Licence Holder: Hall Aggregates (South East) Ltd Licence Reference: 283 Site Location: Colnbrook Landfill, Sutton Lane, Colnbrook, Slough, Berkshire, SL3 8ab Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: RMC House, High Street, FELTHAM, Middlesex, TW13 4HD Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 15th November 1989 Preceded By: Not Given Licence: Superseded By: 54/12/4/373 (BUCKS283) Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste Bucks Cat. A -Inert * Bucks Cat. B -Semi-Inert * Bucks Cat. C -Putres.Or Diff. * Commercial Waste Construction And Demolition Wastes Contaminated Rubbish/Bags/Sacks Cosmetic Products Difficult Wastes As Listed Below Empty Used Containers Ind./Com. Waste Only From Those Below Ion-Exchange Resin Wastes Iron Compounds Max.Waste Permitted By Licence-Stated Metal Scrap Non-Toxic Slag Other Industrial Wastes As Follows Other Non-Toxic Metal Compounds Paint Waste \$ Pharmaceuticals In Bulk/Prod'N Cont'Rs Pharmaceuticals In Retail Cont'Rs \$ Polymeric Material, Products/Scrap Scrap Rubber (Including Tyres) Soaps & Detergents Synthetic Adhesive Wastes Tar, Pitch, Bitumen, Asphalts Tunnelling/Excavation Waste Used Filter Materials \$ Prohibited Waste Animal Carcasses/Parts Thereof Any Clinical Wastes Cellulose Wastes Contam. Soils (See R T Kelly 1979) Domestic Waste Or Sim'R From Com./Ind. Food/Foodstuffs Waste Liquid Waste -Except Reabsorb.Leachate Putresc.H'Hold As Coll. By L.A. Sewage Or Sewage Sludge Sewage Sludge & Screenings Special Wastes Vegetable Matter Waste Might Give Danger By Explosion Waste Might Give Danger By Fumes/Gases Waste N.O.S. Waste With Flash Pt < 40 C Wastes Might Give Canger By Fire Risk</p>	A12NE (W)	403	2	503022 178139

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	<p>Registered Landfill Sites</p> <p>Licence Holder: D & H Reclamation Ltd Licence Reference: 151 Site Location: Tanhouse Farm, Colnbrook, Slough, Berkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Riverscroft, Chertsey Road, SHEPPERTON, Middlesex, TW17 9NY Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 17th January 1979 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials \$ Prohibited Waste: Household + Commercial Waste Industrial Wastes Liquid/Slurry/Sludge Wastes Poisonous, Noxious, Polluting Wastes Waste N.O.S</p>	A8NW (SW)	525	2	503074 177599
185	<p>Registered Landfill Sites</p> <p>Licence Holder: S Grundon (Waste) Ltd Licence Reference: 193 Site Location: Area 22 Colnbrook By-Pass, Colnbrook, Slough, Berkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Lakeside Road, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 20th September 1984 Preceded By: Not Given Licence: Superseded By: 193/M Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Cement Asbestos Commercial Waste Construction Industry Wastes Excavated Natural Materials \$ Ind. Non-Haz. Waste Metal Scrap Plastic Scrap Scrap Rubber Waste From Civic Amenity Sites Prohibited Waste: Animal Food Industry Wastes Canteen Waste Dangerous Wastes Flammable Waste Fp<40 C Food Industry Waste Food Or Foodstuff Highly Putrescible Material Household Waste (Other Than C.A.Waste) Liquid Wastes Recoverable/Recyclable (Viably) Waste Sewage Derived Sludges Slaughterhouse Wastes Special Wastes Waste N.O.S Wastes With High Fire Risk</p>	A8NE (S)	550	2	503548 177477

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	<p>Registered Landfill Sites</p> <p>Licence Holder: S Grundon (Waste) Ltd Licence Reference: 54/12/4/371 (BUCKS193) Site Location: Area 22 Tanhouse Farm, Colnbrook Bypass, Colnbrook, Slough, Berkshire, SL3 0eg Licence Easting: 503550 Licence Northing: 177400 Operator Location: Goulds Grove, Ewelme, WALLINGFORD, Oxfordshire, OX10 6PJ Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site Closed Dated: 1st April 1995 Preceded By: 193/M Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Calcium Silicate Cement Asbestos Civic Amenity Waste Construction And Demolition Wastes Ind. Non-Haz. Waste Industrial Wastes Max.Waste Permitted By Licence Plastic Scrap Rubber Scrap Scrap Metal Tunnelling/Excavation Mat'L Prohibited Waste Canteen Waste Clinical Wastes Commercial Waste Contaminated Soil (As In R.T.Kelly) Flammable Waste Fl.Pt < 40 C Food/Animal Food Ind./Slaughterhouse W Food/Foodstuffs Highly Putrescible Waste Eg Household Waste Likely Danger From Fire/Expl//Fume/Gas Liquid Waste Incl. Leachate Sewage/Sludge Special Wastes Waste N.O.S.</p>	A8NE (S)	626	2	503550 177400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	<p>Registered Landfill Sites</p> <p>Licence Holder: S Grundon (Waste) Ltd Licence Reference: 193/M Site Location: Area 22 Tanhouse Farm, Colnbrook By Pass, Colnbrook, SLOUGH, Berkshire, SL3 0EG Licence Easting: 503550 Licence Northing: 177400 Operator Location: Lakeside Road, Colnbrook, SLOUGH, Berkshire, SL3 0EG Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 24th July 1989 Preceded By: 193 Licence: Superseded By: 54/12/4/371 (BUCKS193) Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Calcium Sulphate (Dry Waste) Cement Asbestos Civic Amenity/Refuse Amenity Waste Commercial Waste Construction And Demolition Wastes Ind.Wastes If Lic.Cond'Ns Met Max.Waste Permitted By Licence Metal Scrap Plastic Products/Scrap Scrap Rubber Tunnelling/Excavation Waste Prohibited Waste Animal Processing/Slaughterhouse Waste Any Clinical Wastes Any Liquids Incl. Leachates Canteen Waste Contaminated Soil Flammable Waste Fp<40 C Food Processing Wastes Highly Putrescible Waste Household Waste (Except C.A.Waste) Sewage/Sewage Sludge Special Wastes Waste N.O.S. Waste With Risk Of Explosion Wastes With Fire Risk Wastes With Risk Of Danger' Fumes/Gas</p>	A8NE (S)	626	2	503550 177400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	<p>Registered Landfill Sites</p> <p>Licence Holder: Hall Aggregates Ltd Licence Reference: 128 Site Location: Larbourne Farm, Thorneymill Road, Iver, Buckinghamshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: RMC House, High Street, Feltham, HOUNSLOW, Middlesex, TW13 4HA Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 21st December 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste Cement Asbestos Only Civic Amenity/Refuse Amenity Waste Commercial Waste Construction And Demolition Wastes Contaminated Rubbish/Bags/Sacks Empty Used Containers Excavated Natural Materials \$ Ind. Non-Haz. Waste Max.Waste Permitted By Licence(Stated) Metal Scrap Mineral Processing Wastes Paint Waste \$ Pharmaceuticals In Retail Cont'Rs \$ Polymeric Material, Products/Scrap Scrap Rubber (Including Tyres) Silt And Dredgings Slag, Boiler/Flue Cleanings Soaps & Detergents Synthetic Adhesive Wastes Tar, Pitch, Bitumen, Asphalts Waste Treated Timber Prohibited Waste Animal And Food Wastes Biodegradable/Putrescible Waste Mineral Oils Phenols, Analogues/Derivatives Poisonous, Noxious, Polluting Wastes Sewage Environment Agency Waste N.O.S must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A19SW (NE)	664	2	503956 178375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	<p>Registered Landfill Sites</p> <p>Licence Holder: William Boyer & Sons Ltd Licence Reference: 345 Site Location: Orlitts Lake, Lakeside Road, Colnbrook, SLOUGH, Berkshire, SL3 0EF Licence Easting: 504100 Licence Northing: 178000 Operator Location: Trout Road, WEST DRAYTON, Middlesex, UB7 7SN Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st November 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Chalk, Clay, Gravel, Stone, Sand Hardcore Max.Waste Permitted By Licence-States Similar Mat'L In Natural State Topsoil, Subsoil Prohibited Waste: Contaminated Soil Difficult Wastes Fibrous Forms Of Asbestos Food/Foodstuffs General Builders Rubble High-Dens/Hard/Bonded/Cement Asbestos Metal Paper Plastics Poisonous, Noxious, Polluting Wastes Soil Ex Sites Where Contam. Expected Special Wastes Waste N.O.S. Wood</p>	A14SE (E)	698	2	504100 178000
189	<p>Registered Landfill Sites</p> <p>Licence Holder: William Boyer & Sons Ltd Licence Reference: 123 Site Location: Colnbrook By-Pass, Colnbrook, Slough, Berkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Trout Road, WEST DRAYTON, Middlesex, UB7 7SN Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 20th September 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Calcium Hydroxide Construction And Demolition Wastes Empty Used Containers Excavated Natural Materials \$ Ind. Non-Haz. Inert Waste Metal Scrap Polymeric Material, Products/Scrap Scrap Rubber (Including Tyres) Tar, Pitch, Bitumen, Asphalts Prohibited Waste: Biodegradable/Putrescible Waste Liquid Wastes Poisonous, Noxious, Polluting Wastes Environment Agency Waste N.O.S must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A9NE (SE)	812	2	504124 177635

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	<p>Registered Landfill Sites</p> <p>Licence Holder: William Boyer & Sons Ltd Licence Reference: 186 Site Location: Area Near M4 And, Staines/West Drayton Railway, Slough, Berkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Trout Road, WEST DRAYTON, Middlesex, UB7 7SN Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 20th January 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Calcium Hydroxide Construction And Demolition Wastes Empty Used Containers Excavated Natural Materials \$ Ind. Non-Haz. Waste Metal Scrap Polymeric Material, Products/Scrap Scrap Rubber (Including Tyres) Tar, Pitch, Bitumen, Asphalts Prohibited Waste: Biodegradable/Putrescible Waste Liquid Wastes Poisonous, Noxious, Polluting Wastes Environment Agency Waste N.O.S must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A14SE (E)	910	2	504312 177992

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	<p>Registered Landfill Sites</p> <p>Licence Holder: Rmc Aggregates (Southern) Ltd Licence Reference: 54/12/4/373 (BUCKS283 Site Location: Colnbrook Landfill, Sutton Lane, Colnbrook, Slough, Berkshire, SL3 8ab Licence Easting: 502500 Licence Northing: 177800 Operator Location: RMC House, The Square, LIGHTWATER, Surrey, GU18 5SS Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Operational as far as is knownOperational Dated: 1st April 1995 Preceded By: 283 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Civic Amenity Waste Commercial Waste Construction And Demolition Wastes Contaminated Rubbish/Bags/Sacks Empty Used Containers Ind. Non-Haz. Waste Ion-Exchange Resin Wastes Iron Compounds Max.Waste Permitted By Licence Non-Toxic Slag Other Non-Toxic Metal Compounds Paint Waste Pharmaceuticals In Bulk/Prod'N Cont'Rs Pharmaceuticals In Retail Cont'Rs Plastic Scrap Rubber Scrap Scrap Metal Soaps & Detergents Synthetic Adhesive Wastes Tar, Pitch, Bitumen Waste Tunnelling/Excavation Waste Used Filter Materials Whole Tyres Only Less Than 5 Tyres/Day Prohibited Waste Clinical Wastes Contaminated Soil (As In R.T.Kelly) Flammable Waste Fl.Pt < 40 C Likely Danger From Fire/Expl'/Fume/Gas Liquid Waste (Other Than On-Site Leach Sewage/Sludge Special Wastes Waste N.O.S.</p>	A12SW (W)	927	2	502500 177800
192	<p>Registered Landfill Sites</p> <p>Licence Holder: William Boyer & Sons Ltd Licence Reference: 173 Site Location: Colnbrook Bypass (Area 2), Colnbrook, Slough, Berkshire Licence Easting: 504400 Licence Northing: 178000 Operator Location: Trout Road, WEST DRAYTON, Middlesex, UB7 7SN Authority: Environment Agency - Thames Region, North East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1981 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Calcium Hydroxide Construction Ind. Wastes Empty Used Containers Excavated Natural Materials Ind. Inert Waste Metal Scrap Polymeric Material, Products/Scrap Scrap Rubber (Including Tyres) Tar, Pitch, Bitumen, Asphalts Prohibited Waste Polluting Wastes Putrescible Waste Waste N.O.S.</p>	A14SE (E)	998	2	504400 178000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: S Grundon (Waste) Ltd Licence Reference: 155 Site Location: Lake Side Road, Colnbrook, Slough, Berkshire, SL3 0eg Operator Location: 589 Uxbridge Road, Hayes, Middlesex Authority: Environment Agency - Thames Region, North East Area Site Category: Baling - Compaction Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 27th June 1980 Preceded By: Not Given Licence: Superseded By: 54/12/4/370 (Bucks155) Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Good Authorised Waste Asbestos (All Types) Commercial Waste Contaminated Rubbish/Bags/Sacks Empty Used Containers Household Waste Ind. Non-Haz. Waste Max.Waste Permitted By Licence(Stated) Metal Scrap Polymeric Material, Products/Scrap Scrap Rubber (Including Tyres) Prohibited Waste Animal And Food Wastes Controlled Wastes Liquid/Slurry/Sludge Wastes Waste N.O.S</p>	A9NW (SE)	755	2	503860 177407
194	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: D & H Reclamation Ltd Licence Reference: 248 Site Location: Tanhouse Farm (Transfer), Colnbrook By-Pass, Slough, Berkshire Operator Location: Riverscroft, Chertsey Road, SHEPPERTON, Middlesex, TW17 9NY Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1987 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste Excavated Natural Materials \$ Soils From Constr'N Ind. Prohibited Waste Food/Foodstuffs Waste Putrescible Waste Recoverable/Recyclable (Viably) Waste Waste N.O.S. Environment Agency Contaminated Material must give specific authorisation for this waste to be acceptedWaste requires prior approval Contaminated Soil</p>	A7NW (SW)	930	2	502700 177400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: S Grundon (Waste) Ltd Licence Reference: 54/12/4/370 (BUCKS155) Site Location: Lakeside Road Baling Plant, Colnbrook Bypass, Colnbrook, Slough, Berkshire, SL3 0eg Operator Location: Goulds Grove, Ewelme, Wallingford, Oxfordshire, Ox10 6pj Authority: Environment Agency - Thames Region, South East Area Site Category: Transfer - with Baling(compaction) Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st April 1995 Preceded By: 155 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Asbestos - All Types Commercial Waste Contaminated Rubbish/Bags/Sacks Empty Used Containers Ind. Non-Haz. Waste Max.Waste Permitted By Licence Plastic Scrap Rubber Scrap Scrap Metal Prohibited Waste: Animal Carcasses Bulk Loads Of Food Bulk Loads Of Food Processing Waste Liquid/Slurry/Sludge Wastes Waste N.O.S.</p>	A9SW (SE)	872	2	503850 177260
195	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: S Grundon (Waste) Ltd Licence Reference: 268 Site Location: Lakeside Road, Colnbrook, SLOUGH, Berkshire, SL3 0EG Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Incineration Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site now IPC authorisedAuthorised Dated: 1st December 1989 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical Wastes A,B,C,D,E In Hsc '82 House, Com + Ind.Waste Only As Below Manufactured Plastic Waste Max.Storage Permitted By Licence Paper/Cardboard Waste Pharmaceutical & Controlled Drugs Prohibited Waste: Radioactive Wastes (Without Prior App) Waste N.O.S.</p>	A9SW (SE)	872	2	503850 177260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13NE (NE)	0	1	503403 178008
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	0	1	503403 178008
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	3	1	503401 178006
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	8	1	503403 178000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	9	1	503405 178000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (E)	83	1	503485 177998
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (E)	86	1	503488 178000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A13SE (E)	98	1	503500 178000
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (E)	100	1	503500 177988
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A13SE (SE)	125	1	503500 177929
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium 2.2 - 3.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SW (W)	324	1	503080 178000
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 3.0 - 6.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A13NW (NW)	351	1	503113 178205
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 3.0 - 6.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A12SE (W)	375	1	503029 178000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 2.2 - 3.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12NE (W)	403	1	503000 178008
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 2.2 - 3.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A12NE (W)	420	1	503000 178126
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A14SW (E)	421	1	503824 178000
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A14SW (SE)	505	1	503848 177769
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 1.8 - 2.2 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8NE (S)	508	1	503403 177500
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium 2.2 - 3.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12SE (W)	511	1	502893 178000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium 1.8 - 2.2 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (S)	534	1	503473 177479
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 3.0 - 6.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	542	1	503945 178000
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 3.0 - 6.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A14SW (E)	581	1	503983 178000
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8NE (S)	583	1	503524 177438
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 1.8 - 2.2 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8NE (S)	585	1	503500 177432
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NW (E)	598	1	504000 178019

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A17SE (NW)	637	1	503000 178500
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	677	1	504047 177803
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium 3.0 - 6.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18NW (N)	746	1	503257 178738
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium 3.0 - 6.0 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18NW (NW)	785	1	503081 178723
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17NE (NW)	805	1	503000 178704
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil and Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17NE (NW)	850	1	503000 178756

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SE (S)	884	1	503531 177133
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A12NW (W)	903	1	502500 178008
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	993	1	503403 179000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	993	1	503436 179000
196	BGS Recorded Mineral Sites Site Name: Tan House Farm Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241574 Type: Opencast Status: Ceased Operator: T. W. Bates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	201	1	503489 177826
197	BGS Recorded Mineral Sites Site Name: Tan House Farm Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241571 Type: Opencast Status: Ceased Operator: T. W. Bates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13SW (W)	209	1	503206 177940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Middlesex Source: British Geological Survey, National Geoscience Information Service Reference: 245468 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A13SE (E)	262	1	503657 177944
199	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Tan House Farm Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241575 Type: Opencast Status: Ceased Operator: T. W. Bates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	367	1	503391 177641
200	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Tan House Farm Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241572 Type: Opencast Status: Ceased Operator: T. W. Bates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A13SW (SW)	370	1	503150 177739
201	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Tan House Farm Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 18960 Type: Opencast Status: Ceased Operator: T. W. Bates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A12SE (W)	468	1	502965 177845
202	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Thorney Gravel Pit Location: Colnbrook, Middlesex Source: British Geological Survey, National Geoscience Information Service Reference: 245467 Type: Opencast Status: Ceased Operator: St. Albans Sand & Gravel Co. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	476	1	503875 178063
203	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Tan House Farm Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241576 Type: Opencast Status: Ceased Operator: T. W. Bates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	532	1	503640 177532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Tan House Farm Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241573 Type: Opencast Status: Ceased Operator: T. W. Bates Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	557	1	503127 177524
205	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Thorney Mill Road Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 18961 Type: Opencast Status: Ceased Operator: William Boyer & Sons Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	611	1	503870 177615
206	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241579 Type: Opencast Status: Ceased Operator: William Boyer & Sons Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	636	1	504035 177941
207	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Middlesex Source: British Geological Survey, National Geoscience Information Service Reference: 245469 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	646	1	503522 177373
208	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Thorney Gravel Pit Location: Colnbrook, Middlesex Source: British Geological Survey, National Geoscience Information Service Reference: 245466 Type: Opencast Status: Ceased Operator: St. Albans Sand & Gravel Co. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	652	1	504030 178186
209	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241578 Type: Opencast Status: Ceased Operator: William Boyer & Sons Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	725	1	503729 177361

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
210	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Slough, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 137414 Type: Opencast Status: Ceased Operator: William Boyer & Sons Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	775	1	503865 177386
211	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 241577 Type: Opencast Status: Ceased Operator: William Boyer & Sons Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	862	1	503837 177263
212	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Thorney Mill Road Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 18962 Type: Opencast Status: Ceased Operator: William Boyer & Sons Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	888	1	504215 177650
213	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Slough, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 379 Type: Opencast Status: Ceased Operator: Rmc Aggregates (Greater London) Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	901	1	502555 177705
214	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Thorney Gravel Pit Location: Colnbrook, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 18963 Type: Opencast Status: Ceased Operator: St. Albans Sand & Gravel Co. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	922	1	504293 178246
215	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Colnbrook Gravel Pit Location: Colnbrook, Middlesex Source: British Geological Survey, National Geoscience Information Service Reference: 245470 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	930	1	503558 177091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	BGS Recorded Mineral Sites Site Name: Sutton Lane Quarry Location: Colnbrook, Slough, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 10280 Type: Opencast Status: Ceased Operator: Biffa Group Ltd. Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SW (W)	955	1	502460 177860
217	BGS Recorded Mineral Sites Site Name: Egglesey Farm Gravel Pit Location: Thorney, Iver, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 245475 Type: Opencast Status: Ceased Operator: William Boyer & Sons Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Shepperton Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	965	1	504138 177383
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum 1.00 mg/kg Concentration: Arsenic Average 17.00 mg/kg Concentration: Arsenic Maximum 161.00 mg/kg Concentration: Cadmium Minimum 0.10 mg/kg Concentration: Cadmium Average 0.90 mg/kg Concentration: Cadmium Maximum 165.20 mg/kg Concentration: Chromium Minimum 13.00 mg/kg Concentration: Chromium Average 79.00 mg/kg Concentration: Chromium Maximum 2094.00 mg/kg Concentration: Lead Minimum 11.00 mg/kg Concentration: Lead Average 280.00 mg/kg Concentration: Lead Maximum 10000.00 mg/kg Concentration: Nickel Minimum 2.00 mg/kg Concentration: Nickel Average 28.00 mg/kg Concentration: Nickel Maximum 506.00 mg/kg Concentration:	A9NW (SE)	643	1	503900 177600
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	3	1	503401 178006
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	83	1	503485 177998

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	83	1	503485 177998
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	3	1	503401 178006
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	83	1	503485 177998
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	3	1	503401 178006
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	83	1	503485 177998
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	503403 178008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Kentco Logistics Ltd Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Cargo Call (Uk) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: H P L Kensington Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: T X T International Logistics Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Classification: Airfreight Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: H P L Sea Freight Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Hellmann Worldwide Logistics Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, SLOUGH, SL3 0EL Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Accurate Air Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Ocean World Lines (Uk) Ltd Location: Hellmann House, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: The Freight Company Global Ltd Location: Hellmann House, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: F E T Logistics Ltd Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	626	-	503354 177384
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Kentco Logistics Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	626	-	503354 177384

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Active Freight Management Ltd Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EL Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	629	-	503350 177381
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Giant Logistics Ltd Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	650	-	503378 177359
218	<p>Contemporary Trade Directory Entries</p> <p>Name: G P M Freight Systems Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	651	-	503368 177358
218	<p>Contemporary Trade Directory Entries</p> <p>Name: Cargocall (UK) Ltd Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	655	-	503377 177354
219	<p>Contemporary Trade Directory Entries</p> <p>Name: Cargo Call UK Ltd Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A8NE (S)	652	-	503537 177370
220	<p>Contemporary Trade Directory Entries</p> <p>Name: Ohio Express Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A8SW (S)	702	-	503272 177318
221	<p>Contemporary Trade Directory Entries</p> <p>Name: Speedway Transport Systems Location: Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EA Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A8NW (SW)	725	-	503066 177366
221	<p>Contemporary Trade Directory Entries</p> <p>Name: Drayton Recycling Location: 307 Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EA Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NE (SW)	728	-	503056 177368
222	<p>Contemporary Trade Directory Entries</p> <p>Name: Bowler Salvage Location: Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EH Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A8SE (S)	733	-	503437 177276
222	<p>Contemporary Trade Directory Entries</p> <p>Name: Bp Service Station Location: Chequers Petrol Station, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EH Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A8SE (S)	767	-	503474 177244
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Seabridge Location: Unit 8, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (SE)	758	-	504092 177693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Sc Freight Services Location: Unit 6, Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	762	-	504112 177731
223	<p>Contemporary Trade Directory Entries</p> <p>Name: S C Freight Location: Unit 8, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (SE)	762	-	504098 177695
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Grundon Location: Unit 5, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	763	-	504122 177753
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Vet Drug Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Veterinary Pharmacies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (SE)	763	-	504098 177695
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Rossway Transport Services Ltd Location: Unit 6, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Classic Movements Ltd Location: Unit 6/7, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: F S Mackenzie Location: Unit 7, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Hpl Universal Services Handling Ltd Location: Unit 6/7, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Freightnet Handling Ltd Location: Unit 7, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Film Freight Location: Unit 6, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, SLOUGH, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
223	<p>Contemporary Trade Directory Entries</p> <p>Name: K J B Transport Ltd Location: Unit 6, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Technical Solutions & Logistics Ltd Location: Unit 7, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Insulation Materials Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: S C Freight Services Ltd Location: Unit 6, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Sc Freight Location: Unit 7, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Blacksmith London Location: Unit 7, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	768	-	504116 177724
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Trilogy Freight Location: Unit 5, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	773	-	504131 177751
223	<p>Contemporary Trade Directory Entries</p> <p>Name: Specialised Freight Location: Unit 5, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	773	-	504131 177751
224	<p>Contemporary Trade Directory Entries</p> <p>Name: Heathrow Truck Centre Location: Lakeside Ind Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	761	-	504064 177632
224	<p>Contemporary Trade Directory Entries</p> <p>Name: Air Supply Shipping Agents Location: Unit 7 Lakeside Ind Est, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A9NW (SE)	761	-	504065 177633
224	<p>Contemporary Trade Directory Entries</p> <p>Name: Heathrow Truck Centre Ltd Location: Heathrow Truck Centre, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	765	-	504066 177627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	<p>Contemporary Trade Directory Entries</p> <p>Name: Heathrow Daf Location: Heathrow Truck Centre, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	765	-	504066 177627
224	<p>Contemporary Trade Directory Entries</p> <p>Name: Heathrow Truck Centre Location: Heathrow Truck Centre, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	765	-	504066 177627
225	<p>Contemporary Trade Directory Entries</p> <p>Name: Riverside Haulage Location: Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	775	-	503012 177339
226	<p>Contemporary Trade Directory Entries</p> <p>Name: S D V Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EE Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	777	-	504142 177770
226	<p>Contemporary Trade Directory Entries</p> <p>Name: Imperial Polythene Products Ltd Location: Unit 3, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Classification: Polythene & Plastic Sheeting Supplies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	782	-	504153 177788
226	<p>Contemporary Trade Directory Entries</p> <p>Name: Gist Location: Unit 3, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	782	-	504153 177788
227	<p>Contemporary Trade Directory Entries</p> <p>Name: Lakeside Energy From Waste Ltd Location: Lakeside Energy From Waste Limited, Lakeside Road, Slough, SL3 0FE Classification: Recycling Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	782	-	503857 177371
228	<p>Contemporary Trade Directory Entries</p> <p>Name: Airlift Sealift International Ltd Location: Unit 1, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	790	-	504172 177828
228	<p>Contemporary Trade Directory Entries</p> <p>Name: Global Cargo Services Location: Unit 1, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	790	-	504172 177828
228	<p>Contemporary Trade Directory Entries</p> <p>Name: Global Handling Services Location: Unit 1, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	790	-	504172 177828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
229	<p>Contemporary Trade Directory Entries</p> <p>Name: D H L Exel Supply Chain Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	791	-	503947 177434
230	<p>Contemporary Trade Directory Entries</p> <p>Name: D F D S Transport Ltd Location: Unit 1, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	792	-	504184 177879
230	<p>Contemporary Trade Directory Entries</p> <p>Name: Global Transport Services Ltd Location: Unit 1, Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	792	-	504184 177879
230	<p>Contemporary Trade Directory Entries</p> <p>Name: D F D S Location: Unit 1, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	792	-	504184 177879
230	<p>Contemporary Trade Directory Entries</p> <p>Name: D F D S Location: Unit 1, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	792	-	504184 177879
231	<p>Contemporary Trade Directory Entries</p> <p>Name: Gist Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	829	-	504230 177950
231	<p>Contemporary Trade Directory Entries</p> <p>Name: Txt International Logistics Location: Unit 1, Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SE (E)	829	-	504230 177950
232	<p>Contemporary Trade Directory Entries</p> <p>Name: B P Service Station Location: Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EH Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	837	-	502761 177471
233	<p>Contemporary Trade Directory Entries</p> <p>Name: Grundon Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EG Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	841	-	503865 177306
233	<p>Contemporary Trade Directory Entries</p> <p>Name: H P L (Kensington) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EG Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	844	-	503869 177304
234	<p>Contemporary Trade Directory Entries</p> <p>Name: Grundon Waste Management Ltd Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EG Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	865	-	503778 177229

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	<p>Contemporary Trade Directory Entries</p> <p>Name: Southway Scania Location: Lakeside Indust Est, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A9SW (SE)	903	-	503784 177190
235	<p>Contemporary Trade Directory Entries</p> <p>Name: Gist Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, Berkshire, SL3 0ED Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	868	-	504270 177991
236	<p>Contemporary Trade Directory Entries</p> <p>Name: Aggregate Industries Uk Ltd Location: Rail Aggregate Storage Depot, Colnbrook by Pass, Slough, SL3 0EB Classification: Concrete Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	873	-	504213 177683
236	<p>Contemporary Trade Directory Entries</p> <p>Name: Aggregate Industries - London Concrete Location: Rail Aggregate Storage Depot, Colnbrook by Pass, Slough, SL3 0EB Classification: Concrete & Mortar Ready Mixed Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	873	-	504213 177683
237	<p>Contemporary Trade Directory Entries</p> <p>Name: Diamond Cleans Location: 11, The Ridings, Iver, Buckinghamshire, SL0 9DU Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	986	-	503933 178838
238	<p>Contemporary Trade Directory Entries</p> <p>Name: Sas Logistics Ltd Location: Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EA Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NW (SW)	997	-	502549 177494
239	<p>Fuel Station Entries</p> <p>Name: Rss Colnbrook Location: Colnbrook Bypass , Colnbrook , Slough, Slough, SL3 0EH Brand: BP Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location</p>	A8SE (S)	766	-	503474 177245
240	<p>Points of Interest - Commercial Services</p> <p>Name: World Express Freight Location: Hellmann House Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A8NW (S)	626	10	503354 177384
240	<p>Points of Interest - Commercial Services</p> <p>Name: G P S Logistics E U Ltd Location: Hellmann House Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A8NW (S)	626	10	503354 177384
240	<p>Points of Interest - Commercial Services</p> <p>Name: H P L Sea Freight Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A8NW (S)	626	10	503354 177384
240	<p>Points of Interest - Commercial Services</p> <p>Name: Kensington Distribution Services Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A8NW (S)	626	10	503354 177384

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
240	Points of Interest - Commercial Services Name: Pacific Network Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	626	10	503354 177384
240	Points of Interest - Commercial Services Name: H P L Sea Freight Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	626	10	503354 177384
240	Points of Interest - Commercial Services Name: Embassy Freight Services Ltd Location: Hellmann House Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	626	10	503354 177384
240	Points of Interest - Commercial Services Name: Kensington Distribution Services Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	626	10	503354 177384
240	Points of Interest - Commercial Services Name: Kensington Freight Services Location: Hellmann House Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	626	10	503354 177384
240	Points of Interest - Commercial Services Name: Kentco Logistics Location: Hellmann House Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	627	10	503353 177383
240	Points of Interest - Commercial Services Name: Hellmann Worldwide Logistics Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	627	10	503353 177383
240	Points of Interest - Commercial Services Name: The Freight Company Global Ltd Location: Hellmann House Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	627	10	503353 177383
241	Points of Interest - Commercial Services Name: XPO Logistics Location: Unit 8 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (SE)	762	10	504097 177695
241	Points of Interest - Commercial Services Name: S C Freight Location: Unit 8 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (SE)	762	10	504097 177695
241	Points of Interest - Commercial Services Name: Seabridge Location: Unit 8 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (SE)	762	10	504097 177695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<p>Points of Interest - Commercial Services</p> <p>Name: Technical Solutions & Logistics Ltd Location: Unit 7 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Rossway Transport Services Ltd Location: Unit 6 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Blacksmith Frieght Services Ltd Location: Unit 6 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Freightnet Handling Ltd Location: Unit 7 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Allmode Forwarding Location: Unit 7 Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Film Freight Location: Unit 6 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Sc Freight Services Ltd Location: Unit 6 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Sc Freight Location: Unit 7 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Film Freight Location: Unit 6 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: F S Mackenzie Group Location: Unit 7 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<p>Points of Interest - Commercial Services</p> <p>Name: Blacksmith Frieght Services Ltd Location: Unit 6 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	768	10	504116 177724
241	<p>Points of Interest - Commercial Services</p> <p>Name: Trilogy Freight Location: Unit 5 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	773	10	504131 177750
241	<p>Points of Interest - Commercial Services</p> <p>Name: Bernard Group Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	777	10	504142 177770
241	<p>Points of Interest - Commercial Services</p> <p>Name: S D V UK Ltd Location: Unit 4-5 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	777	10	504142 177770
241	<p>Points of Interest - Commercial Services</p> <p>Name: DX Location: Unit 2-3 Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	786	10	504162 177806
241	<p>Points of Interest - Commercial Services</p> <p>Name: Seabridge Freight Services Location: Unit 2 Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	786	10	504162 177806
241	<p>Points of Interest - Commercial Services</p> <p>Name: Airlift Sealift International Location: 1 Lakeside Industrial Estate, Colnbrook By Passage, Colnbrook, Slough, Berkshire, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	789	10	504171 177827
241	<p>Points of Interest - Commercial Services</p> <p>Name: Airlift Sealift International Ltd Location: Unit 1 Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A14SE (E)	790	10	504172 177828
242	<p>Points of Interest - Commercial Services</p> <p>Name: Heathrow Daf Location: Heathrow Truck Centre Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A9NW (SE)	765	10	504066 177627
242	<p>Points of Interest - Commercial Services</p> <p>Name: Heathrow Truck Centre Ltd Location: Heathrow Truck Centre Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A9NW (SE)	765	10	504066 177627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
243	Points of Interest - Commercial Services Name: Rss Colnbrook Location: Colnbrook Bypass, Colnbrook, Slough, SL3 0EH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8SE (S)	766	10	503474 177245
243	Points of Interest - Commercial Services Name: Car Wash Location: Colnbrook Bypass, Colnbrook, Slough, Berkshire, SL3 0EH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8SE (S)	766	10	503474 177245
243	Points of Interest - Commercial Services Name: B P Car Wash Location: Colnbrook By Pass, Colnbrook, Slough, SL3 0EH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8SE (S)	795	10	503487 177218
244	Points of Interest - Commercial Services Name: Scrap a Car for Cash Location: Gate D Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A9NW (SE)	774	10	503866 177388
244	Points of Interest - Commercial Services Name: H P L (Kensington) Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	844	10	503869 177304
244	Points of Interest - Commercial Services Name: Lakeside Energy From Waste Ltd Location: Lakeside Road, Colnbrook, Slough, SL3 0FE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9SW (SE)	855	10	503862 177287
245	Points of Interest - Commercial Services Name: DHL Exel Supply Chain Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	791	10	503947 177434
246	Points of Interest - Commercial Services Name: Global Transport Services Ltd Location: Unit 1 Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	792	10	504184 177879
246	Points of Interest - Commercial Services Name: D F D S Location: Unit 1 Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	792	10	504184 177879
246	Points of Interest - Commercial Services Name: Gist Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	829	10	504230 177950
247	Points of Interest - Commercial Services Name: Grundon Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EG Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9SW (SE)	864	10	503777 177229

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
247	Points of Interest - Commercial Services Name: Grundon Waste Management Ltd Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EG Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9SW (SE)	865	10	503778 177229
248	Points of Interest - Commercial Services Name: Gist Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	868	10	504270 177991
249	Points of Interest - Commercial Services Name: Drayton Recycling Location: 307-311 Colnbrook by Pass, Colnbrook, Slough, SL3 0EA Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A7NW (SW)	923	10	502717 177392
249	Points of Interest - Commercial Services Name: Scrap Yard Location: SL3 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	968	10	502713 177329
249	Points of Interest - Commercial Services Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	970	10	502712 177328
250	Points of Interest - Manufacturing and Production Name: Gravel Pit Location: SL3 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	666	10	502740 178063
251	Points of Interest - Manufacturing and Production Name: Old Slade Farm (Piggery) Location: SL0 Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	705	10	503488 178707
252	Points of Interest - Manufacturing and Production Name: Tanks Location: SL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	839	10	503954 177375
253	Points of Interest - Manufacturing and Production Name: Gravel Pit Location: SL3 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	861	10	502554 177868
254	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	970	10	502941 177155
254	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	996	10	502891 177154
254	Points of Interest - Manufacturing and Production Name: Works Location: SL3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	996	10	502893 177153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	142	10	503544 178010
255	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	160	10	503559 177974
255	Points of Interest - Public Infrastructure Name: Iver South Sewage Disposal Works Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13SE (E)	173	10	503575 177991
255	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	181	10	503583 178025
256	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	225	10	503627 177991
256	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	251	10	503634 177911
256	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	286	10	503682 177948
256	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	319	10	503718 177958
257	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	395	10	503763 177846
257	Points of Interest - Public Infrastructure Name: Sludge Bed Location: SL3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	399	10	503784 177891
258	Points of Interest - Public Infrastructure Name: Landfill Site Location: SL3 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	634	10	503529 177387
259	Points of Interest - Public Infrastructure Name: Rss Colnbrook Location: Colnbrook Bypass, Colnbrook, Slough, SL3 0EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8SE (S)	766	10	503474 177245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	Points of Interest - Public Infrastructure Name: BP Express Shopping Location: Chequers Petrol Station, Colnbrook by Pass, Colnbrook, Slough, SL3 0EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8SE (S)	767	10	503474 177245
259	Points of Interest - Public Infrastructure Name: Chequers Connect Location: Chequers Petrol Station, Colnbrook By Pass, Colnbrook, Slough, Berkshire, SL3 0EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8SE (S)	767	10	503474 177245
260	Points of Interest - Public Infrastructure Name: BP Service Station Location: Colnbrook By Pass, Colnbrook, Slough, SL3 0EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	838	10	502760 177471
260	Points of Interest - Public Infrastructure Name: Drayton Recycling Location: 307-311 Colnbrook by Pass, Colnbrook, Slough, SL3 0EA Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A7NW (SW)	923	10	502717 177392
261	Points of Interest - Public Infrastructure Name: Grundon Waste Ltd Location: Lakeside Industrial Estate, Colnbrook By Pass, Colnbrook, Slough, SL3 0EG Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A9SW (SE)	844	10	503869 177304
262	Points of Interest - Public Infrastructure Name: Grundon Waste Management Ltd Location: Lakeside Industrial Estate, Colnbrook by Pass, Colnbrook, Slough, SL3 0EG Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A9SW (SE)	864	10	503777 177229
263	Points of Interest - Public Infrastructure Name: Weir Location: SL0 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	877	10	502873 178706
264	Points of Interest - Public Infrastructure Name: Weir Location: SL3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	981	10	502870 177185
265	Points of Interest - Public Infrastructure Name: Landfill Site Location: SL3 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	992	10	504233 177466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
266	Ancient Woodland Name: Not Supplied Reference: 1497768 Area(m ²): 9816.77 Type: Ancient and Semi-Natural Woodland	A13NW (NW)	248	11	503268 178215
267	Areas of Adopted Green Belt Authority: Slough Borough Council Plan Name: The Local Plan For Slough Status: Adopted Plan Date: 31st March 2004	A13NE (NE)	0	12	503403 178008
268	Areas of Adopted Green Belt Authority: South Buckinghamshire District Council, Development Control Department Plan Name: Proposal Map Status: Adopted Plan Date: 22nd February 2011	A13NW (N)	214	13	503370 178219
269	Areas of Adopted Green Belt Authority: London Borough of Hillingdon Plan Name: Hillingdon Unitary Development Plan Status: Adopted Plan Date: 30th September 1998	A14SE (E)	957	14	504305 177689
270	Nitrate Vulnerable Zones Name: Colne And Guc (From Confluence With Chess To Ash) Nvz Description: Surface Water Source: Environment Agency, Head Office	A14SE (E)	728	4	504100 177800

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Runnymede Borough Council - Technical Services Spelthorne Borough Council - Environmental Health Department Royal Windsor and Maidenhead Unitary Council - Environmental Health Department Slough Borough Council - Environmental Protection London Borough of Hillingdon - Environmental Protection Unit London Borough of Hounslow - Contaminated Land Section South Buckinghamshire District Council - Environmental Health Department	April 2014 April 2014 August 2013 February 2018 March 2015 May 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	January 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	October 2018 October 2018 October 2018	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Runnymede Borough Council - Environmental Health Department London Borough of Hillingdon - Environmental Health Department Spelthorne Borough Council - Environmental Health Department London Borough of Hounslow - Environmental Health Department Royal Windsor and Maidenhead Unitary Council - Environmental Health Department Slough Borough Council - Environmental Health Department South Buckinghamshire District Council - Environmental Health Department	April 2014 August 2014 December 2014 February 2013 January 2015 June 2014 September 2014	Variable Variable Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Runnymede Borough Council - Environmental Health Department London Borough of Hillingdon - Environmental Health Department Spelthorne Borough Council - Environmental Health Department London Borough of Hounslow - Environmental Health Department Royal Windsor and Maidenhead Unitary Council - Environmental Health Department Slough Borough Council - Environmental Health Department South Buckinghamshire District Council - Environmental Health Department	April 2014 August 2014 December 2014 February 2013 January 2015 June 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Runnymede Borough Council - Environmental Health Department London Borough of Hillingdon - Environmental Health Department Spelthorne Borough Council - Environmental Health Department London Borough of Hounslow - Environmental Health Department Royal Windsor and Maidenhead Unitary Council - Environmental Health Department Slough Borough Council - Environmental Health Department South Buckinghamshire District Council - Environmental Health Department	April 2014 August 2014 December 2014 February 2013 January 2015 June 2014 September 2014	Variable Variable Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Thames Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable

Agency & Hydrological	Version	Update Cycle
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	October 2018 October 2018 October 2018 October 2018	Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	October 2018	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2018	Quarterly
Flood Defences Environment Agency - Head Office	August 2018	Quarterly
OS Water Network Lines Ordnance Survey	October 2018	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	July 2018 July 2018 July 2018 July 2018	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	October 2018 October 2018 October 2018 October 2018	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Buckinghamshire County Council London Borough of Hillingdon - Environmental Health Department London Borough of Hounslow - Environmental Health Department Royal Windsor and Maidenhead Unitary Council - Planning Policy Unit Runnymede Borough Council - Environmental Health Department Slough Borough Council South Buckinghamshire District Council Spelthorne Borough Council - Environmental Health Department Surrey County Council	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites South Buckinghamshire District Council Buckinghamshire County Council London Borough of Hillingdon - Environmental Health Department London Borough of Hounslow - Environmental Health Department Royal Windsor and Maidenhead Unitary Council - Planning Policy Unit Runnymede Borough Council - Environmental Health Department Slough Borough Council Spelthorne Borough Council - Environmental Health Department Surrey County Council	August 2006 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 October 2018	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	June 2015 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Buckinghamshire County Council London Borough of Hounslow Runnymede Borough Council - Environmental Services Slough Borough Council - Development & Consumer Protection Dep. South Buckinghamshire District Council - Development Control Department Spelthorne Borough Council - Planning Department Surrey County Council London Borough of Hillingdon Royal Windsor and Maidenhead Unitary Council	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 January 2016 October 2015	Variable Variable Variable Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Buckinghamshire County Council London Borough of Hounslow Runnymede Borough Council - Environmental Services Slough Borough Council - Development & Consumer Protection Dep. South Buckinghamshire District Council - Development Control Department Spelthorne Borough Council - Planning Department Surrey County Council London Borough of Hillingdon Royal Windsor and Maidenhead Unitary Council	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 January 2016 October 2015	Variable Variable Variable Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2018	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	September 2018	Quarterly
Points of Interest - Education and Health PointX	September 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2018	Quarterly
Points of Interest - Public Infrastructure PointX	September 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt London Borough of Hillingdon London Borough of Hounslow Royal Windsor and Maidenhead Unitary Council Runnymede Borough Council - Environmental Services Slough Borough Council South Buckinghamshire District Council - Development Control Department Spelthorne Borough Council	August 2018 August 2018 August 2018 August 2018 August 2018 August 2018 August 2018	As notified As notified As notified As notified As notified As notified As notified
Areas of Unadopted Green Belt London Borough of Hillingdon London Borough of Hounslow Royal Windsor and Maidenhead Unitary Council Runnymede Borough Council - Environmental Services Slough Borough Council South Buckinghamshire District Council - Development Control Department Spelthorne Borough Council	August 2018 August 2018 August 2018 August 2018 August 2018 August 2018 August 2018	As notified As notified As notified As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2018	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	August 2018	Bi-Annually

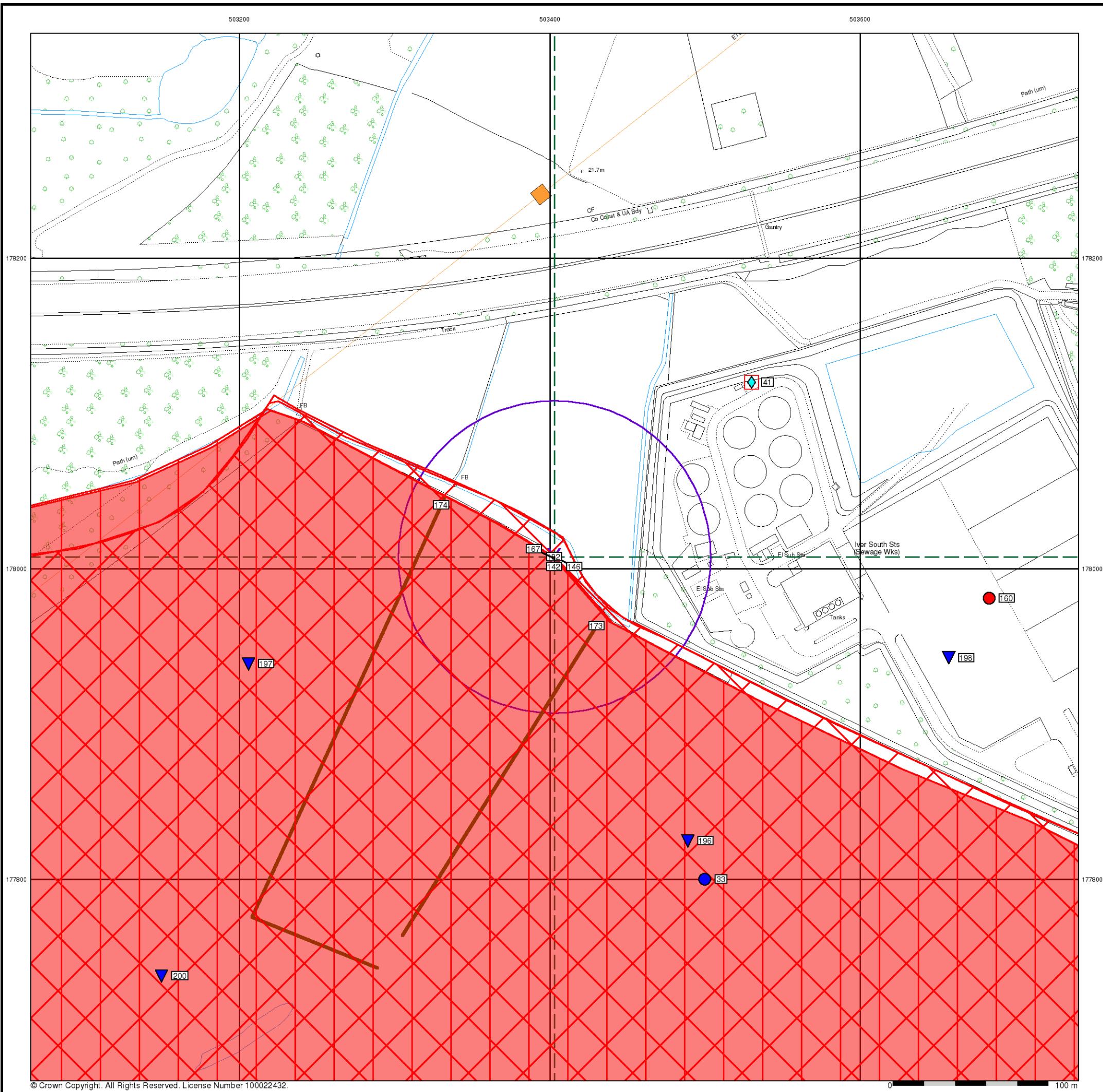
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p>Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Slough Borough Council - Environmental Health Department P O Box 570, Slough, Berkshire, SL1 3UQ	Telephone: 01753 552288 Fax: 01753 875660 Website: www.slough.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Slough Borough Council Town Hall, Bath Road, Slough, Berkshire, SL1 3UQ	Telephone: 01753 552288 Fax: 01753 692499
7	Buckinghamshire County Council County Hall, Aylesbury, Buckinghamshire, HP20 1UA	Telephone: 01296 395900 Fax: 01296 88887 Website: www.buckscc.gov.uk
8	South Buckinghamshire District Council Capswood, Oxford Road, Denham, Berkshire, UB9 4LH	Telephone: 01895 837200 Website: www.southbucks.gov.uk
9	London Borough of Hillingdon - Environmental Health Department Civic Centre, High Street, Uxbridge, Middlesex, UB8 1UW	Telephone: 01895 250111 Fax: 01895 277443 Website: www.hillingdon.gov.uk
10	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
11	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
12	Slough Borough Council Town Hall, Bath Road, Slough, Berkshire, SL1 3UQ	Telephone: 01753 552288 Fax: 01753 692499 Website: www.slough.gov.uk
13	South Buckinghamshire District Council - Development Control Department Capswood, Oxford Road, Denham, Berkshire, UB9 4LH	Telephone: 01895 837200 Website: www.southbucks.gov.uk
14	London Borough of Hillingdon Civic Centre, High Street, Uxbridge, Middlesex, UB8 1UW	Telephone: 01895 250111 Fax: 01895 250830 Website: www.hillingdon.gov.uk
15	Royal Windsor and Maidenhead Unitary Council Town Hall, St Ives Road, Maidenhead, Berkshire, SL6 1RF	Telephone: 01628 798888 Fax: 01628 796408 Website: www.rbwm.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org

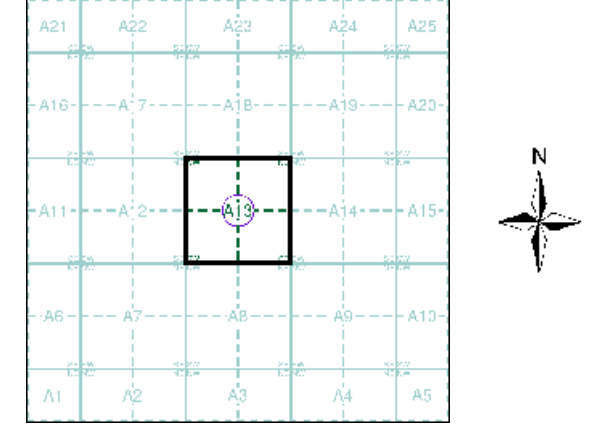
Contact	Name and Address	Contact Details
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

Order Number: 193955180_1_1
 Customer Ref: 1620005898
 National Grid Reference: 503400, 178010
 Slice: A
 Site Area (Ha): 0.01
 Plot Buffer (m): 100

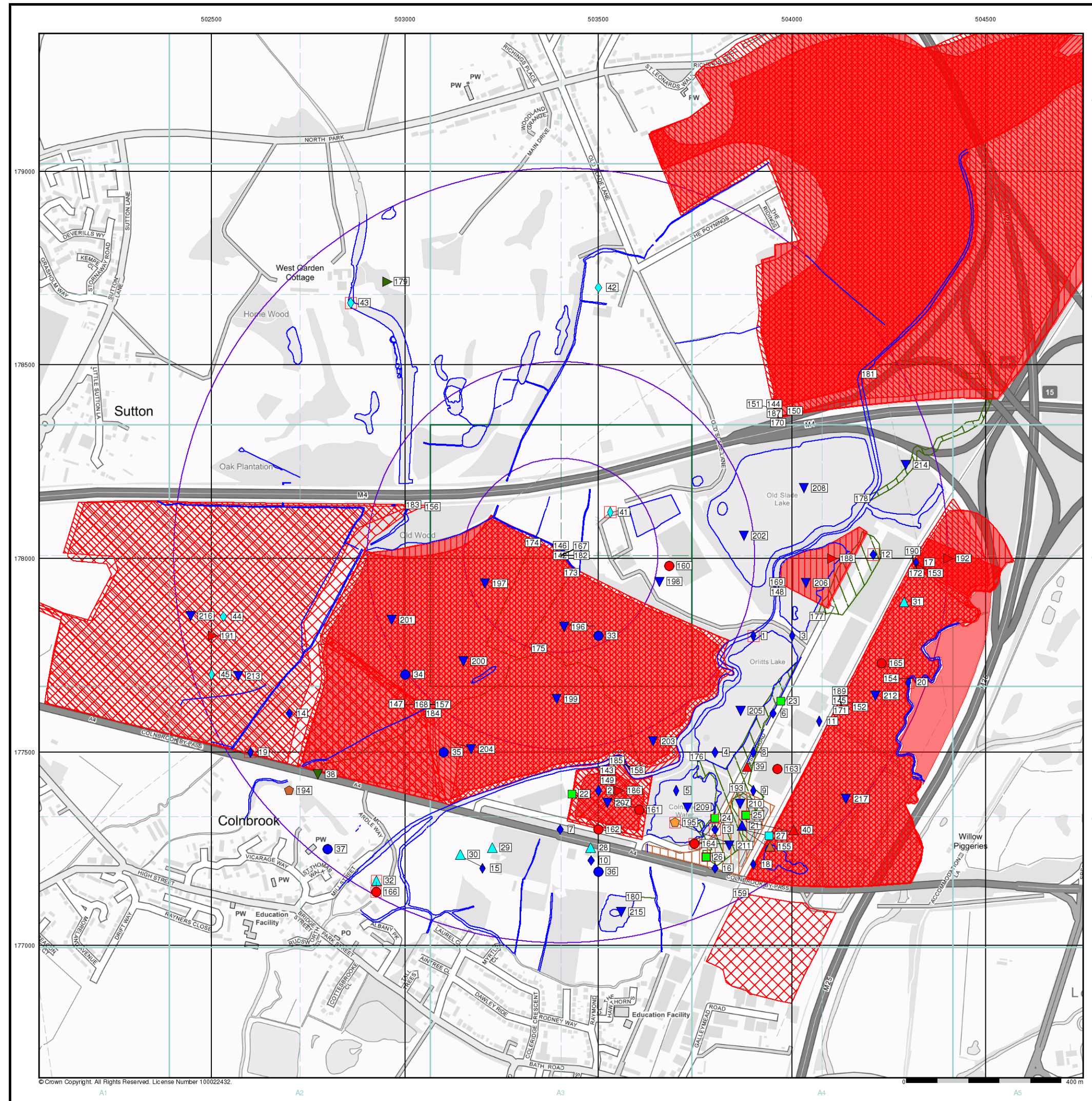
Site Details

Lakeside Industrial Estate, Lakeside Road, Colnbrook, SLOUGH, SL3 0ED

Landmark
 INFORMATION GROUP

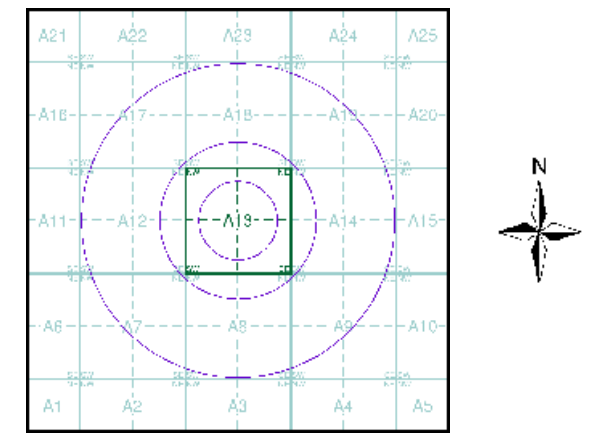
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

© Crown Copyright. All Rights Reserved. License Number 100022432.



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



Order Details

Order Number: 193955180_1_1
 Customer Ref: 1620005898
 National Grid Reference: 503400, 178010
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Lakeside Industrial Estate, Lakeside Road, Colnbrook, SLOUGH, SL3 0ED

Industrial Land Use Map

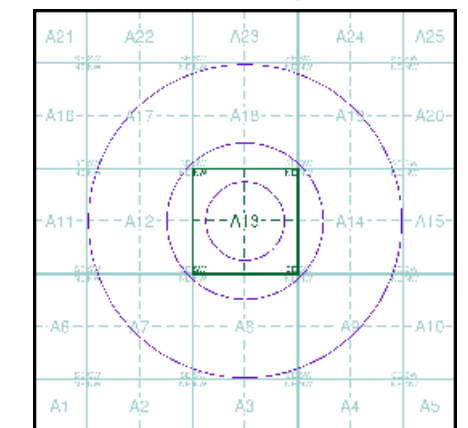
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A

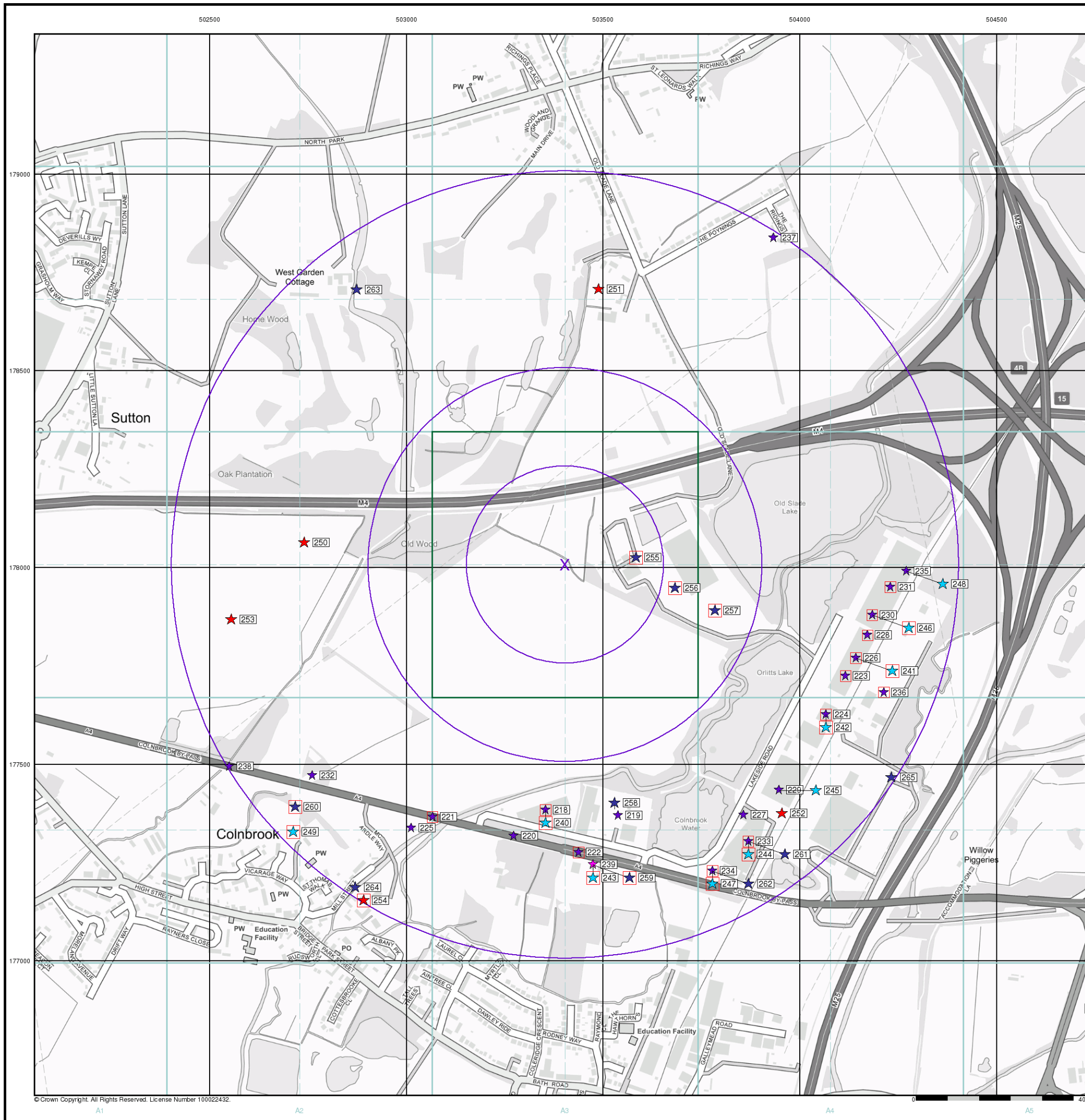


Order Details

Order Number: 193955180_1_1
 Customer Ref: 1620005898
 National Grid Reference: 503400, 178010
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Lakeside Industrial Estate, Lakeside Road, Colnbrook, SLOUGH, SL3 0ED



© Crown Copyright. All Rights Reserved. License Number 100022432.