

Phase 1 Land Quality Assessment

**DRAKELOW PARK, BURTON UPON
TRENT**

Phase 1 Land Quality Assessment

DRAKELOW PARK, BURTON UPON TRENT

Client:

ROGER BULLIVANT LTD

Author:

Name **Alice Humphries BSc (Hons) MSc**

Signature _____

Position Consultant

Reference: EN6484/R/3.2.1/AH

Status: SECOND ISSUE

Date: AUGUST 2008

Checked by:

Name **Clare Cutler BSc (Hons) MSc MEnvSci**

Signature _____

Position Principal Consultant

Issued by: Waterman Environmental

Civic House

156 Great Charles Street

Birmingham B3 3HN

Approved by:

Name **Richard Stockwell BEng (Hons) MIEMA CEnv**

Signature _____

Position Associate Director

Telephone: 0121 212 7700

Fax: 0121 212 7701

benvironmental@waterman-group.co.uk

www.waterman-group.co.uk/we

This report has been prepared by Waterman Environmental, with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporation of our General Terms and Condition of Business and taking account of the resources devoted to us by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at its own risk.

Drakelow Park, Burton Upon Trent

CONTENTS

EXECUTIVE SUMMARY

1. INTRODUCTION	1
1.1 The Brief	1
1.2 Limitations and Constraints	1
1.3 Methodology and Information Sources	1
2. SITE DESCRIPTION AND RECONNAISSANCE	2
2.1 Site Description.....	2
3. SITE WALKOVER.....	3
3.1 Site Surroundings	5
4. SITE HISTORY.....	6
5. GEOLOGY	9
5.1 General Geology and Ground Conditions.....	9
5.2 Mining, Quarrying and Landfills.....	9
6. CONTROLLED WATERS.....	11
6.1 Surface Waters.....	11
6.2 Groundwater	11
6.3 Water Abstractions, Discharge Consents and Pollution Incidents	12
6.3.1 Abstractions.....	12
6.3.2 Discharges	13
6.3.3 Pollution Incidents	13
6.3.4 IPPC/LAPPC's	14
7. CONSULTATION	14
7.1 Contaminated Land Officer	14
7.2 Environment Agency	15
7.3 Planning Officer	16
7.4 Building Control Officer.....	16
7.5 Land Owners	16
7.5.1 Roger Bullivant Ltd.....	16
7.5.2 E.On UK Ltd	17
8. PREVIOUS INVESTIGATIONS/REMEDIALATION WORK/GEOTECHNICAL WORK	17
8.1 BWB, June 1999-Drakelow Power Station, Interpretative report	17
8.2 BWB September 1999- Drakelow Power Station, Risk Assessment	18
8.3 Geotechnics Ltd. October 1999, Desk study and site reconnaissance at Drakelow, Burton on Trent	19
8.4 Geotechnics Ltd. December 1999, factual data and Interpretative Report and Contamination Issues.	20
8.5 Geotechnics Ltd. June 2001 to December 2002, Groundwater Monitoring	21
8.6 E.ON September 2005, Proposed Combined Cycle Gas Turbine Power Station at the Former Drakelow Power Station site, Environmental Statement	22
9. PRELIMINARY CONTAMINATION ASSESSMENT.....	23
9.1 Potential Contamination Sources.....	24
9.2 Potential Receptors	27
9.3 Preliminary Contamination Assessment	28
10. PRELIMINARY GEOTECHNICAL ASSESSMENT	31
10.1 Foundations and Floor Slabs	31
10.2 Earthworks.....	31
10.3 Infrastructure.....	32
10.4 Sub-surface Concrete	32
10.5 Obstructions and voids.....	32
11. OTHER DEVELOPMENT CONSTRAINTS.....	32
11.1 Japanese Knotweed	32
12. CONCLUSIONS.....	33
12.1 Contamination	33
12.2 Geotechnical.....	33
13. RECOMMENDATIONS	34

Drakelow Park, Burton Upon Trent

APPENDICES

APPENDIX A	SITE PLANS
APPENDIX B	SITE PHOTOGRAPHS
APPENDIX C	CONSULTATION INFORMATION
APPENDIX D	RISK RATING MATRIX
APPENDIX E	GROUNDWATER DATA
APPENDIX F	ENVIRONMENTAL RECEPTORS

TABLES

TABLE 1:	LIST OF PARTIES CONSULTED DURING THIS STUDY	1
TABLE 2:	REPORTS VIEWED PERTAINING TO THE SITE.....	2
TABLE 3:	SITE DESCRIPTION.....	2
TABLE 4:	POTENTIAL CONTAMINATION ISSUES IDENTIFIED ON SITE DURING THE WALKOVER	4
TABLE 5:	PHYSICAL ISSUES IDENTIFIED ON SITE DURING THE WALKOVER.....	5
TABLE 6:	SUMMARY OF SURROUNDING LAND USES.....	5
TABLE 7:	HISTORY OF THE SUBJECT SITE	7
TABLE 8:	SITE GEOLOGY.....	9
TABLE 9:	SUMMARY OF LANDFILLS WITHIN APPROXIMATELY 1 KM OF THE SITE	10
TABLE 10:	SUMMARY OF SURFACE WATER BODIES IDENTIFIED WITHIN 1 KM OF THE SITE	11
TABLE 11:	SUMMARY OF HYDROGEOLOGICAL PROPERTIES OF THE MAIN GEOLOGICAL STRATA.....	12
TABLE 12:	HISTORICAL AND CURRENT POTENTIAL CONTAMINATION SOURCES IDENTIFIED ON SITE.....	24
TABLE 13:	HISTORICAL AND CURRENT POTENTIAL CONTAMINATION SOURCES IDENTIFIED OFF SITE.....	26
TABLE 14:	ENVIRONMENTAL RECEPTORS POTENTIALLY AT RISK FROM THE IDENTIFIED HAZARDS.....	27
TABLE 15:	CONTAMINATION ASSESSMENT SUMMARY	29

EXECUTIVE SUMMARY

SCOPE	
Purpose of the Report	This report has been prepared to assist with the evaluation of land quality on site, providing information for the proposed redevelopment of the site as a mixed use development.
Future Site End-use	Mixed use development including residential housing, commercial units and open space.
SITE INFORMATION	
Grid Reference	424187, 320299
Site Area (approx.)	112 Hectares
Current Site Status	The site is currently occupied by the Roger Bullivant Ltd foundation and pile manufacturing plant, with small fields in the north east and south east corners of the site.
History	Drakelow Hall occupied the northern part of the site in 1887, with the associated Drakelow Estate occupying the remaining part of the site. Following a fire, Drakelow Hall was demolished in 1934. The British Electricity Authority purchased the Drakelow Estate land in 1950 and the land was then developed for Drakelow Power Stations 'A' & 'B', both completed by 1962. Both Power Stations 'A' & 'B' were demolished by the late 1990's, after which the site was purchased by Roger Bullivant Ltd who developed the land as a foundation and pile manufacturing plant.
Geology	The site is underlain by Made Ground, which in turn is underlain by River Terrace Deposits (RTD) and Mercia Mudstone Group (MMG). Borehole logs from previous investigations indicate that the RTD are relatively shallow. Alluvium is present in the north of the site adjacent to the River Trent, and also runs south to north through the site in a seam, adjacent to Darklands Brook.
Hydrogeology	The alluvium underlying the site is classified as Minor Aquifer. The remaining part of the site is classified as a Non-Aquifer due to the relatively shallow depth of RTD and resultant proximity of the Mercia Mudstone Group (MMG) to the surface.
Hydrology	The Darklands Brook, which is partially culverted, flows south to north through the centre of the site. The River Trent lies adjacent to the northern boundary.
Consultation	South Derbyshire District Council Contaminated Land Officer gave information on past contaminative uses and confirmed that based on the current land use for this site, it has been ranked as low-medium priority for detailed inspection. Any redevelopment introducing new receptors to the site may require thorough investigation as a condition of any development proposed on site.
Previous Reports	Previous intrusive investigation reports that were reviewed pertain to the south western section of the site. Elevated contaminants were encountered in the soils and groundwater. Monitoring of groundwater levels indicated groundwater to be between 0.75m and 6.28m bgl. Elevated concentrations of carbon dioxide were encountered during ground gas monitoring.

CONCLUSIONS

Contaminated Land Assessment

Several potential contamination sources were identified on site, associated with its former use as an electricity generation site (Drakelow Power Stations 'A' & 'B') and the current use by Roger Bullivant Ltd as a foundation and pile manufacturing works.

Potential pollutant linkages that have been assessed as a medium risk are as follows:

- Contaminated soils/groundwater and ground gas/vapour through direct contact, inhalation and ingestion to future site users;
- Contaminated soils/groundwater and ground gas/vapour through migration through near surface soils and service routes to on site structures; and
- Contaminated soils/groundwater through surface water runoff, lateral and downward migration to Darklands Brook, River Trent and the Minor Aquifer of the alluvium deposits.

Based on the information obtained during the desk study and the observations made during the walkover survey it is concluded that the potential for a significant pollutant linkage with respect to ground contamination at the site is **MEDIUM** risk.

Geotechnical and Other Considerations

It is likely that obstructions and voids are present on site due to previous development of the site, and the remaining foundations and subsurface structures following demolition. The previous activities on site may have led to variable properties within the ground, and therefore the potential for differential settlements exists. Standing pools of water on site are likely to need dewatering prior to redevelopment of the site. Any proposed excavations are also likely to need dewatering, due to the relatively high groundwater levels beneath the site. It is unlikely that the currently existing ground conditions would favour soakaways as a sustainable form of drainage.

Below ground services may still exist beneath the areas of the two demolished Power Stations and surrounding areas. Extensive cut and fill works may need to be carried out as part of any redevelopment works, due to the site's present uneven topography. An adequate design for buried concrete to be used in foundations or/and piles for the redevelopment needs to be assessed in accordance with BRE special digest 1, particularly due to the amount of coal in Made Ground (potentially leaching sulphates).

Other Issues

It is understood that there are patches of Japanese Knotweed along the railway embankment within the site. There is also the potential for Japanese Knotweed to be present elsewhere.

Recommendations

It is recommended that a copy of this report is issued to the Local Authority Contaminated Land Officer for their comments. It is recommended that an intrusive site investigation to include chemical and geotechnical sampling and testing, and soil gas and groundwater monitoring and sampling is carried out prior to redevelopment of the site to supplement existing information. However, it is also recommended that prior to any intrusive investigation a services scan of the site is undertaken to identify any potentially buried live services, which may not have been decommissioned as part of demolition works on site.

It is recommended that a topographical assessment be carried out at the detailed design stage to estimate likely surplus or deficit of materials needed during redevelopment works or to advise of the magnitude of any cut and fill exercise. It is recommended that confirmation is sought that contaminated materials identified in previous reports were removed from the site and disposed of appropriately.

It is recommended that the full extent of the Japanese Knotweed is confirmed, the areas fenced off immediately and a scheme of treatment agreed and implemented.

1. INTRODUCTION

1.1 THE BRIEF

Waterman Environmental was instructed by Roger Bullivant Ltd to undertake a preliminary desk-based contamination investigation and site reconnaissance for the Drakelow Park development site area and its surroundings. Roger Bullivant Ltd intends to redevelop the site for a mixed use development, which is understood to comprise approximately 2,400 residential properties including up to a maximum of 250 retirement apartments, employment related units, two local centres, a primary school and public open space. A copy of an illustrative plan is included as Figure A3 in Appendix A.

This report has been prepared for the exclusive use of Roger Bullivant Ltd for the purpose of assisting in the evaluation of potential risk associated with ground contamination at the site.

1.2 LIMITATIONS AND CONSTRAINTS

Waterman Environmental has endeavoured to assess all information provided to them during this investigation, but makes no guarantees or warranties as to the accuracy or completeness of this information.

The scope of this investigation does not include an assessment for the presence of asbestos containing materials within, or below buildings in the ground of the site. Should there be a requirement under Regulation 4 of the Control of Asbestos Regulations 2006 for any part of the site to be deemed 'non-domestic premises' (including, inter alia, outbuildings, external pipework, under-floor service ducts, bridges, fixed and mobile plant), the dutyholder(s) should prepare an asbestos risk management plan and this may require technical survey works as described in the relevant HSE Guidance Note MDHS 100.

The conclusions resulting from this study are not necessarily indicative of future conditions or operating practices at, or adjacent to the site.

The interior of buildings were not accessed and appraised as part of the site walkover.

1.3 METHODOLOGY AND INFORMATION SOURCES

This report comprises the collation and review of available documentary and site derived information followed by the development of a conceptual model and assessment of ground conditions and potential risks.

The information presented within this report is based on observations made on-site, a review of available historical, geological and hydrogeological sources, and consultation with the following parties listed in Table 1. Further details of the consultation responses are given in section 7 of this report.

Table 1: List of Parties Consulted during this Study

Organisation	Information Received
Environment Agency	Written
South Derbyshire District Council - Building Control Officer	Written
South Derbyshire District Council - Environmental Health Officer	Written
South Derbyshire District Council - Planning Officer	Written
Roger Bullivant Ltd – Mr. Chris Chatfield, Estates Manager	Verbal

Additional information was obtained from site-specific reports, which were made available by Roger Bullivant Ltd. and E.On UK Ltd and are summarised in Table 2 overleaf and have been relied upon for the purposes of this report.

Drakelow Park, Burton Upon Trent

Table 2: Reports Viewed Pertaining to the Site

Report	Author	Date	Reference
Drakelow Power Station, Burton on Trent – Interpretative report (Appended within the Geotechnics reports)	BWB Partnership Ltd	June 1999	MLA/LD/EN V014/01
Drakelow Power Station, Burton on Trent – Site Specific Risk Assessment (Appended within the Geotechnics reports)	BWB Partnership Ltd	September 1999	MLA/LD/EN V014/02V1
Ground Investigation at Project Jaguar – Desk Study & Site Reconnaissance	Geotechnics Ltd	October 1999	99-10225
Ground Investigation at Project Jaguar – Factual Data & Interpretative Report	Geotechnics Ltd	December 1999	99-10225
Ground Investigation at Project Jaguar – Contaminative Issues	Geotechnics Ltd	December 1999	99-10225
Chemical groundwater data	Geotechnics Ltd	June 2001 - December 2002	N/A
Environmental Statement – Drakelow Combined Cycle Gas Turbine Power Station	Power Technology on behalf of E.On UK Ltd	September 2005	N/A

2. SITE DESCRIPTION AND RECONNAISSANCE

2.1 SITE DESCRIPTION

The site is located approximately 2 km south of Burton upon Trent town centre. The main A38 highway between Derby and Birmingham lies approximately 850m to the west of the site. The site is centred on National Grid Reference 424187, 320299 as shown in Figure A1 in Appendix A.

The site occupies an area of approximately 112 hectares (Approx. 277 acres).

The site is currently used for different land uses, which is summarised in Table 3 below. A site layout plan (Figure A2) is included in Appendix A.

Table 3: Site Description

Description	Location
The site is currently occupied by Roger Bullivant Ltd foundation and pile manufacturing plant. Most of the site comprises operational buildings and sheds where industrial processes to manufacture foundations and pile solutions are undertaken. This includes cement production and handling of aggregates. Cement products and heavy machinery such as hoppers, mixing and silos are also stored on the site.	Eastern area of site.
In the west and central areas of the site, extensive earthworks are ongoing and ponds have formed in excavations.	Western and central area.
Agricultural land (crops) occupies approximately 22 hectares of the site.	Northeastern and southeastern corners.

3. SITE WALKOVER

The information detailed below is based on observations made by Michelle Gwynne of Waterman Environmental on the 7th and 14th of February 2008. The weather on these days was fine and bright. A selection of relevant site photographs is included within Appendix B.

Prior to the walkover, a site brief was received from Mr. Chris Chatfield of Roger Bullivant Ltd. but it was not necessary for the Waterman Environmental representative to be accompanied around the site.

The River Trent borders the site on its northwestern boundary, whilst to the northeast the site is bound by the 'National Forest' freight railway line, and to the south by Walton Road. Immediately to the west of the site, land is currently undergoing a transitional phase between the demolition of Drakelow Power Station 'C' and redevelopment. The southern and eastern boundaries comprise mainly chain link fence with gate houses at intervals. An electricity substation adjoins the southwestern corner of the site.

There are many land drains present on the site and there is a general slope northwards, towards the River Trent. Darklands Brook runs through the centre (south to north) of the site, flowing towards the River Trent, at a lower level than the surrounding Roger Bullivant production area.

The topography of the site is uneven possibly due to the demolition of Drakelow Power Station 'A' and 'B', which were previously situated on the site, and extensive earthworks being undertaken.

The Roger Bullivant Ltd. works and offices largely occupy the west, centre and southeast of the site and comprise production sheds, temporary offices, storage areas, car parks and roads. A high proportion of the area to the southeast and centre of the site is hard-standing. There are many bulk storage containers, including silos, Intermediate Bulkstorage Containers (IBC's) and drums around the works site holding cement products and chemical additives used in the products.

The area in the west of the site has no hard-standing surfaces and is used to store plant, machinery and products. This part of the site has undergone extensive earthworks and old foundations from Drakelow Power Stations 'A' & 'B' were being removed during the site walkover. The area also has a large concrete 'tank' of water, which is open and which Mr. Chris Chatfield of Roger Bullivant Ltd confirmed is used during aggregates processing. Rail lines and cuttings have been removed from the site.

In the far north western corner of the site is a compound containing a stockpile of recycled rubber shavings.

In the far northeast and southeast of the site there are two fields separated by former railway land, which is now just occupied by the cuttings.

A sunken walled garden and a stable block belonging to the former Drakelow Hall is situated in the north of the site and an unoccupied house and the remains of an old sewage works are also present in this area.

Drakelow Park, Burton Upon Trent

Table 4: Potential Contamination Issues Identified on Site During the Walkover

Nature	Location	Description
Cement foundation and pile production	Central area	Various processes including production of cement products, processing of aggregates, metal work, welding, maintenance of plant and storage of plant and products pertaining to the foundation and piling producer occupying the site.
Storage of chemicals and product additives/constituents on site	Central and south eastern area	Various constituents and additives of products are stored around the site in silos, IBCs and drums. These are stored on hard-standing but many are stored outside.
Electricity substation	Central eastern area	Electricity substation housed in a small brick building.
Diesel tanks	South eastern area	Diesel tanks for on-site refuelling of plant are present above ground and underground. It is unknown whether the tanks are banded.
Car parks	Central eastern and southeast areas	Most car parks were on hard-standing surfaces; however, at least two parking areas were on Made Ground and gravel.
Former sewage works	North and central area	Foundations observed relating to the former sewage works facility for the Power Station site in north. The sewage works located in the central area of the site is not indicated on historical maps.
Former Drakelow coal fired Power Stations 'A' & 'B'	South western area	Former coal fired power generation facilities and associated coal stores and rail infrastructure.
Railway land	North / Central area	There was a railway line extending through the site. Most have been removed but some tracks still remain. Some of the aggregates from the railway cuttings and embankments remain but most of the material has been removed from site by Roger Bullivant Ltd, reused in their aggregate products according to information from Chris Chatfield of Roger Bullivant Ltd.
Farmland	North eastern and south eastern corner	Former or existing farmland.

Drakelow Park, Burton Upon Trent

Table 5: Physical Issues Identified on Site During the Walkover

Nature	Location	Description
Large stockpiles of earthworks materials	Western area	3-4m high stockpiles of excavated materials from earthworks in this area of the site. Material is thought to be PFA from the Power Stations which has been used to fill demolition pits or foundations.
Large processing 'tank' filled with water	Western area	Large concrete lined tank filled with water used to sieve and process aggregates.
Thick vegetation	Along northern boundary	Dense woodland and shrubs around the periphery of site restricts foot access to some areas, particularly around boundaries and near river banks.
Steep river bank	Northern area	The bank of the River Trent is very steep near the area of the walled garden.
Foundations, underground structures, voids & substructures	Western areas	Recent demolition of Drakelow Power Stations 'A' & 'B' and associated infrastructure has left foundations, underground structures, tanks and voids beneath the demolished building footprints. Services may not have been decommissioned and may remain in place beneath the site. A deep concrete lined pit is located within the western area of the site (aggregate processing pool).
Darklands Brook	Central area	Darklands Brook flows south to north through the centre of the site, at a level lower than the surrounding formation level. Steep vegetated banks drop to the level of the brook. The brook appears to be partially culverted beneath the Roger Bullivant operational area.
Uneven topography potential requiring cut and fill	Across site	The site is uneven in topography due to past demolition, earthworks and reprofiling exercises and different land uses in recent times. A deep concrete lined pit is located within the western area of the site (aggregate processing pool).
Deep pools of water	Across site	Demolition and land use activities on the site have left deep excavations which are partially filled with water.

3.1 SITE SURROUNDINGS

A summary of the surrounding land uses at the site is shown in Table 6 below.

Table 6: Summary of Surrounding Land Uses

Location	Description
North	The River Trent, Branston Golf & Country Club, and Branston Town Centre immediately to the north, with Burton on Trent further to the north and northeast of the site. To the northwest of the site is Drakelow Nature Reserve with Birmingham to Derby rail line beyond.
East	Immediately to the east of the site lies the 'National Forest' freight railway line. Beyond is Stapenhill village comprising residential properties and service industries with fields and farmland.
South	Walton Road and beyond this Grove Farm, fields and woodland. Walton on Trent lies some 2.4 km the southwest.
West	Derelict land previously occupied by Drakelow Power Station 'C'. Consent has been given to redevelop the land to incorporate a combined Cycle Gas Turbine Power Station. Beyond this, is the River Trent, fields and farmland, and the A38.

4. SITE HISTORY

A review of historical Ordnance Survey (OS) maps obtained from Landmark Information Group has been undertaken. A summary of relevant information is shown in chronological order in Table 7 and copies of the relevant map extracts are given in Appendix C.

The earliest historical maps obtained for the site show that Drakelow Hall occupied the northern part of the site in 1887, with the associated Drakelow Estate occupying the remaining part of the site, and land to the west. From information given in a previous Geotechnics Ltd report pertaining to the site, it is known that following a fire at Drakelow Hall, it was demolished in 1934. Following this the British Electricity Authority purchased the Drakelow Estate land in 1950. The site was subsequently developed with Drakelow Power Station 'A' by 1958 and Drakelow Power Station 'B' by 1962. The OS extracts indicate that circa 1975, a sewage works existed in the northern part of the site until at least 2000. Both Power Station 'A' and 'B' had been decommissioned by the early 1990's. Roger Bullivant purchased the Drakelow Power Station 'A' & 'B' land in a phased approach between 1984 and 1999. Drakelow Power Stations 'A' and 'B' and associated infrastructure were demolished during the late 1990's, after which the site was developed as a foundation and pile manufacturing plant.

Drakelow Park, Burton Upon Trent

Table 7: History of the Subject Site

Date (OS Map)	Map Scale	Site	Surroundings
1882, 1883, 1901, 1923, 1924, 1925, 1937, 1937- 1938, 1938, 1952, 1953.	1:2,500	In 1887 Drakelow Hall, a boat house and an ice house occupied the north of the site, and was surrounded to the west, south and east by woodland, open land and ponds, noted as Drakelow Park. A small fish pond is shown in the northwest of the site. Sluices and a hydraulic ram are shown in the southwest of the site. Darklands Brook is shown running south to north in the centre of the site. Drakelow Mill is shown in the south east corner of the site. By 1902 'The Wilderness' comprising woodland, fountains and a road running south to the north adjacent to Darklands Brook are shown, in the centre of the site. By 1937 Drakelow Hall is no longer shown on the map, and information reviewed within the previous Geotechnics reports indicates that it was demolished in 1934, following a fire. The report stated that in 1950 the site was acquired by the British Electricity authority. By 1953 Drakelow Mill is no longer shown. Two converging rail lines, an electric substation, a tank (undenoted use) and Home Farm are also shown by 1953 in the southeast of the site, adjoining the former Drakelow Mill site.	The River Trent lies to the north of the site boundary, with the adjacent area to this noted on the map as 'liable to flood'. A small settlement named Branston is shown approx. 600m to the north of the site, beyond the River Trent. Immediately to the west, a fish pond and Ox pasture are shown, with a moat further north. The fish pond possibly extends across the western boundary onto the site. To the west, land is largely open and undeveloped with patches of woodland (Warren Clump and Sandy Warren). Warren Farm is shown in the west of the site; with marshland further north, approx. 500m from the site. A colour mill (disused) is shown approx. 600m to the northeast of site and a gravel pit is shown approx. 800m to the northwest of site. The site is bound to the east by a rail line running adjacent to the boundary, with open fields and isolated houses and farms beyond this to the east. A brick works is shown approx. 250m east of the site with the Stapenhill settlement and a brick yard lying beyond this approx. 650m east of the site Adjacent to the southeast corner of the site Drakelow House is shown. The south of the site is mainly open land and woodland with old gravel and marl pits, between 100m and 900m south of the site, noted along with isolated farms and dwellings. Walton upon Trent is shown approx. 2.4 km to the southwest of the site, as a small residential settlement. West of the site are open fields and small ponds. By 1925 Branston Works (food preparation) is shown approx. 100m to the north of the site. A land drain is shown to run to the south west of the site, with a hydraulic ram shown by 1925.
1887, 1888, 1902, 1925, 1938, 1955,	1:10,560		

Drakelow Park, Burton Upon Trent

Date (OS Map)	Map Scale	Site	Surroundings
1969, 1955, 1963, 1963-1969, 1969, 1963-1992.	1:2,500	Drakelow Power Stations 'A' & 'B' with cooling towers, travelling crane and rail tracks are shown by 1969 in the west and south of the site. Coal was stored towards the centre of the site. By 1969 a building block factory is shown in the south east of the site, and a water treatment plant in the area identified as 'The Wilderness'. The previously identified fountains are no longer shown. A sewage treatment works is also shown in the north of the site in 1975.	By 1952 the village of Stapenhill has undergone extensive development with residential properties adjacent to the site boundary in the east. By 1968 Power Station 'C' with cooling towers and associated rail tracks is shown immediately to the west of the site. A Lodge is also shown to the south west of the site. The two fish ponds are no longer shown by 1968, and are likely to have been infilled and now lie under part of the Power Station 'C' cooling towers footprint. By 1969 water filled gravel pits with sluices are shown to the west of the site.
1967-1970, 1968-1970, 1972-1976	1:10,560		A pumping station is shown approximately 1 km to the west of the site, adjacent to the River Trent. Excavated gravel pits are now shown thereafter, to the north west of the site.
1975, 1972-1976, 1982	1:10,000		By 1970 Branston Works is shown as a depot, approx. 100m north of the site. By 1975 a constructed watercourse is shown to the north east of the site, channelling water from Power Station 'C' for discharge in the River Trent. The moat is no longer shown, and potentially has been infilled.
1991, 1991-1992, 1994, 1995,	1:2,500	Drakelow Power Stations 'A' & 'B', cooling towers and rail lines are no longer shown by 2007, and the structures have been demolished. Information given in the previous Geotechnics Ltd. reports pertaining to the site indicate that Drakelow Power Stations 'A' & 'B' were demolished during the mid to late 1990's.	By 1991 a golf course is shown approx. 50m north of the site, beyond the River Trent, with a clubhouse shown by 2000. By 1994 a stockpile of material is shown to the west of the site and is labelled 'spoil heap'. By 2000 land adjacent to northwest of the site is shown as a Drakelow Nature Reserve. By 2000 the former water filled former gravel pits that were identified are no longer shown having been infilled with PFA, forming Silt Lagoons.^b
1990-1993, 1991-1993, 2000, 2007.	1:10,000		To the north, Branston has been extended to within 500m of the site and includes residential properties, warehousing, factories and works. Land adjoining the south western corner of the site is occupied by a large electric substation by 2000. The demolition of Drakelow Power Station 'C' was undertaken between 2003 and 2006.^b

^a potentially contaminative uses are shown in **bold**.

^b anecdotal information from Mr. Ian Hughes of E.On UK Ltd.

5. GEOLOGY

5.1 GENERAL GEOLOGY AND GROUND CONDITIONS

The geology beneath the site, as summarised in Table 8 below, has been established from the British Geological Survey (BGS) 1: 50,000 scale Geological Map, Sheet 140, Burton on Trent, BGS borehole logs and site investigations detailed within previous reports pertaining to the site.

Table 8: Site Geology

Stratum	Area Covered	Estimated Thickness	Stratigraphy	Typical Description
Made Ground	Whole site	0.1 to 4.5m	Recent	Previous site investigations undertaken in the south western parts of the site encountered coal, demolition rubble, foundations, aggregates and PFA.
Alluvium	Vein running through the central area of the site, adjacent to Darklands Brook	Unknown	Recent (Quaternary)	Drift – loam, silt and clay with interbedded gravels and occasional thin peaty layers.
River Terrace Deposits	Across site	2.0 to 4.0m	Recent (Quaternary)	Previous site investigations undertaken in the south western parts of the site encountered sand and gravel with thin clay seams (drift deposits).
Mercia Mudstone Group	Beneath the entire site, and at surface in southeast of site	Geological map estimates up to 200m thick	Triassic	Grey green mudstone with bands of hard, white porcellaneous mudstone.
Sherwood Sandstone Group	Across site, at depth approx >200m	Unknown	Triassic	Bromsgrove Sandstone – fine to coarse, pink and red sandstones with sporadic bands of red and green mudstone.

A surface fault is shown in the north of site, running west to east, with the down throw to the northern side of the fault. The approximate position of the fault and a sketch of drift deposits, to illustrate their distribution beneath the site, are shown in Figure A4 in Appendix A.

The River Terrace Deposits (RTD) appears to have a silty composition, indicated from logs consulted from previous site investigations and reports. The BGS map indicates the Mercia Mudstone Group to be near the surface and therefore it is considered likely that only a shallow depth of River Terrace Deposits is present.

There is a moderate potential for compressible ground hazards on site and low potential for both landslide and running sand ground stability hazards.

According to the information provided by Landmark Information Group, the site is not in a radon affected area, with less than 1% of homes above the Radon action level. Therefore no radon protective measures are necessary in the building of new dwellings or extensions.

5.2 MINING, QUARRYING AND LANDFILLS

Coal seams have been identified within the surrounding area, as indicated on BGS Geological Map sheet 140, Burton on Trent and therefore a Coal Authority Report was commissioned.

Drakelow Park, Burton Upon Trent

The Report states that according to the records in the Coal Authority's possession, the site is not within the zone of likely physical influence on the surface from past or present underground coal workings. The site is not located within a geographical area for which a licence to extract coal by underground methods is awaiting determination by the Coal Authority. Furthermore, the Coal Authority has no knowledge or records of any mine entries within 20m of the boundary of the site. Coal reserves, however, exist in the local area which could be worked at sometime in the future.

The site is not located within 200m of a past or present open cast mine and is not within 800m of the boundary of a granted or pending licence for future open cast mining.

No claims for coal mining subsidence have been received by the Coal Authority in this area and there have been no records of mine gas emission requiring Coal Authority action within the site boundary.

There are no known faults or other lines of weakness due to coal mining that have made the site unstable and there have been no remedial works by or on behalf of the Coal Authority. A copy of the Coal Authority Mining Report is reproduced in Appendix C.

Available information for all identified landfills on site or within 1 km of the site is summarised in Table 9.

Several gravel pits were shown on the historical maps to the north west of site. These cease to be shown on historical maps from 2000 onwards, indicating that they may have been potentially infilled, though are not noted as landfills by the Local Authority. Mr Ian Hughes of E.On UK Ltd indicated that most of the area had been reprofiled with PFA from Drakelow Power Stations 'A', 'B' & 'C'. It is likely that the PFA was used to infill the gravel pits, though may not have been used exclusively.

A 'spoil heap' is also noted to the west of the site, which Mr. Ian Hughes of E.On UK Ltd stated comprised PFA material from Drakelow Power Stations 'A', 'B' & 'C', though again this may not be exclusively the material comprised within the heap.

Table 9: Summary of Landfills within approximately 1 km of the Site

Site Name/Ref	Location	Status	Description
Gravel Pit EAHLD35278	Approximately 500m west of site	Licence Inactive	Former gravel pit, infilled with deposited wastes including liquid sludge. No dates were supplied but the Environment Agency website details licence as inactive.
Branston Ash Lagoon No.4 EAHLD18134	Approximately 1 km west of site	Licence Inactive	The licence was issued to Powergen Plc and wastes deposited are noted as inert and industrial waste between 1960 and 1997 and included excavated natural waste, lagging and PFA. There are also local authority records for the same area noting filling with PFA, lagging and excavated materials.

6. CONTROLLED WATERS

6.1 SURFACE WATERS

Details of water bodies identified within 1km of the site are summarised in Table 10.

Table 10: Summary of Surface Water Bodies Identified within 1 km of the Site

Water Body	Location	Direction of Flow	Quality*		Comment
			Chem.	Bio.	
Darklands Brook	Centre of site	West to east	C	D	Flow <31m ³ /s
Various land drains, ponds and standing water on site	Across site	N/A	-	-	Channels and pools of standing surface water.
Fishing pond	Adjoins western boundary of site	N/A	-	-	Body of water used by anglers.
River Trent	Adjacent to northern boundary	West to east	B	C	Flow <40m ³ /s.
Drakelow Nature Reserve – Various pools	Approximately 600m north west of site	N/A	-	-	Pools of surface water.
Unnamed tributary to River Trent	Approximately 950m south west of site	N/A	-	-	Land drain.

* The Environment Agency General Quality Assessment (GQA) scheme;
 – Insufficient data

The Environment Agency publishes the results of regular surveys of rivers and canals in England and Wales, classified in accordance with the General Quality Assessment (GQA) scheme. This scheme is based on both chemical and biological characteristics of a subject watercourse, monitored at regular sampling points. The chemical classification includes parameters such as chemical and biochemical oxygen demand (COD/BOD), ammonia and dissolved oxygen, whilst biological parameters include species diversity and the abundance of pollution tolerant or sensitive species.

The Environment Agency's indicative floodplain map shows that the site lies within an area of potential risk from river flooding. This pertains to potential flooding in the centre of the site from Darklands Brook. The Environment Agency indicates that those areas have a 1 in 100 or greater chance of river flooding occurring.

6.2 GROUNDWATER

According to the Environment Agency groundwater vulnerability map, Sheet 23 Leicestershire, the alluvium deposits underlying the north of the site and along the centre of the site support a Minor Aquifer. The groundwater vulnerability map classifies the River Terrace Deposits and underlying Mercia Mudstone as a Non Aquifer. River Terrace Deposits, which have been proven on site, however usually supports enough water to supply river base flow.

An assessment of the hydrogeological properties of main geological units underlying the site is shown in Table 11, overleaf.

Table 11: Summary of Hydrogeological Properties of the Main Geological Strata

Strata	Location	Hydrogeological significance	Classification (Environment Agency)
Alluvium	North and centre of the site, running south to north	Seldom produces large quantities of water but important for local supply and river base flow.	Minor Aquifer
River Terrace Deposits	Across site	Regarded as containing insignificant quantities of groundwater, though may provide sufficient amounts for domestic use and river base flow.	Non Aquifer
Mercia Mudstone Group	Underlies entire site, but at the surface in the southeast of the site	Regarded as containing insignificant quantities of groundwater, though may provide sufficient amounts for domestic use and river base flow.	Non-Aquifer
Sherwood Sandstone Group		Highly permeable and productive formations, able to support large abstractions for public water supply and other purposes	Major Aquifer (at depth approx >200m)

The site does not lie within a groundwater Source Protection Zone. A groundwater source protection zone III (total catchment) lies approximately 500m to the north of the site.

6.3 WATER ABSTRACTIONS, DISCHARGE CONSENTS AND POLLUTION INCIDENTS

The following information has been supplied by the Environment Agency's indicative groundwater abstraction map and Landmark Information Group.

6.3.1 Abstractions

Records provided by the Landmark Information Group pertaining to surface water abstractions within a 1 km radius of the site are detailed below:

- Roger Bullivant Ltd has a licence for the abstraction of water from the Darklands Brook for dust suppression in the south east of the site;
- Branston Golf Club located north of the River Trent, holds two licences for the abstraction of surface water from the River Trent for spray irrigation, lake and pond throughflow approximately 330m and 370m north west of the site;
- Mallaber Partners has three licences for the abstraction of surface water for spray irrigation of agricultural land approximately 300, 550 and 630m respectively south of the site;
- Mountford Partners hold one licence for the abstraction of surface water for spray irrigation of agricultural land approximately 550m south of the site;
- D W Allen holds one licence for the abstraction of surface water for spray irrigation of agricultural land approximately 750m south of the site.
- E.On UK Ltd holds a licence for the abstraction of surface water from the River Trent for use as process water approximately 1 km west of the site, which has previously been held by several energy companies; and
- J H & C J N Williams holds one licence for the abstraction of surface water from an unnamed tributary of the River Trent for spray irrigation of agricultural land approximately 1 km south west of the site.

Drakelow Park, Burton Upon Trent

Records provided by the Landmark Information Group pertaining to groundwater abstractions within a 1 km radius of the site are detailed below:

- Coors / Bass Brewers hold two licences for the abstraction of groundwater for use as process and evaporative cooling waters approximately 690 and 730m north of the site.

6.3.2 Discharges

Records provided by the Landmark Information Group detailing pertinent information on past or current discharges within a 250m radius of the site are detailed below:

- Severn Trent Water Ltd previously held two discharge consents pertaining to sewage from the former sewage treatment works in the north of the site. One related to the discharge point (from the River Trent bank) in the north eastern corner of the site, and other was for a discharge point approximately 60m north east of the site, that discharged final/treated sewerage effluent into the River Trent. These licences were revoked in 2000;
- Roger Bullivant Ltd holds a current discharge consent for the discharge of final/treated sewage effluent to the Darklands Brook in the south east of the site;
- E.On UK Plc holds a current licence for the discharge of trade effluent, sewerage and site drainage into the River Trent to the west of the site, presumably via pipe work to the discharge point on the River Trent;
- National Grid Plc current holds a discharge consent, positioned approximately 80m west of the site, for the discharge of final/treated sewage effluent and site drainage into the River Trent. It is not known how this discharge enters the river from this location;
- Eastern electricity held two licences, which were revoked in 1997, for the discharge of final / treated sewage effluent and trade effluent into Dunstall Brook and the River Trent approximately 100m to the north west of the site; and
- G H Hamshaw holds one discharge consent for the discharge of sewage effluent to groundwater approximately 250m north west of the site.

Beyond the 250m radius Severn Trent holds a licence for the discharge of sewage final/treated effluent into the Darklands Brook approximately 300m south of the site. No revocation date is noted, so the permit is believed, by Waterman Environmental, to be active.

6.3.3 Pollution Incidents

Five pollution incidents to controlled waters are given in the Landmark Information Group Envirocheck Report within 250m of the site; details are provided below. Details of further incidents from the site can be found in Appendix C.

- Two minor pollution incidents are recorded in the north west of the site. The first, in 1998 related to the spillage of oils into the River Trent, and the second in 1999 involved the release of chemicals to the River Trent, which were described as 'milky white';
- A minor pollution incident involving the spillage of diesel/oils from Branston Golf Club into the River Trent, approximately 10m north of the site;
- A minor pollution incident involving organic waste (sheep carcass) was recorded within the River Trent, approximately 50m north east of the site; and
- A minor pollution incident involving the spillage of oils from Drakelow Power Station into a watercourse within the River Trent catchment (thought to be an unnamed Brook), approximately 100m south of the site.

6.3.4 IPPC/LAPPC's

- There is one Integrated Pollution Prevention and Control (IPPC) permit issued on site and this relates to Roger Bullivant, for waste landfilling. Mr. Chris Chatfield of Roger Bullivant Ltd stated that the permit pertains to an asbestos landfill previously proposed for the disposal of asbestos wastes from the demolition of Drakelow Power Station 'C' to the west of the site. The permit was granted but never used.
- Roger Bullivant Ltd. also hold two Local Authority Pollution Prevention and Control (LAPPC) licences, pertaining to blending, packing and loading of bulk cement and the operation of waste oil burners in the south east of the site.
- Roger Bullivant Ltd hold current waste management facilities and registered waste treatment or disposal licences pertaining to the use of mobile plant to handle contaminated soil and subsoil in the southeast of the site. It is noted that there is no known restriction on sources of waste received by the facility. Mr. Chris Chatfield of Roger Bullivant Ltd stated that the permit is not specific to the site and pertains to the use of mobile plant equipment to treat soils anywhere in the country. The permit is just registered at the site.
- Sapphire Energy Recovery Ltd hold a permit for a licensed waste management facility on site, namely for household, commercial and industrial transfer stations. Mr. Chris Chatfield of Roger Bullivant Ltd stated that the permit pertains to the compound of recycled tyre shavings in the far north west of the site. The compound is currently active and has been for three years. It is noted that the facility is not positioned according to the licence within the site and not known whether this is at the discretion of the licence holder.
- There is also an IPPC permit application issued to E.On UK Ltd, which pertains to the western area of the site where the former Drakelow Power Stations 'A' & B once stood. It is not currently known whether this pertains to the previous Power Stations, or the proposed Combined Cycle Gas Turbine Power Station.
- The most recent Integrated Pollution Control licence issued to E.On UK Ltd, dated September 2002, is associated with processes at the former Drakelow Power Station, to the west of the site, which has recently been demolished. Several past variations to this permit are listed. The permit was issued for 1.3 A 'combustion processes within the fuel and power industry'. Due to the recent demolition of all three Power Stations this permit is not thought, by Waterman Environmental, to pertain to any current activity adjacent to the site.
- Two Integrated Pollution Control Permit Applications from E.On UK Ltd and Txu Europe Merchant Generation Ltd for 'combustion processes within the fuel and power industry' are shown to the south west of the site, but are noted as 'not yet authorised'. It is not currently known whether this pertains to the previous Power Stations or the proposed Combined Cycle Gas Turbine Power Station.

7. CONSULTATION

The agencies and individuals which have been contacted and/or their records reviewed during the course of this study are listed in Table 1. A summary of the consultation responses are described below and further details are provided in Appendix C.

7.1 CONTAMINATED LAND OFFICER

The Contaminated Land Officer, Mr Dan Calverley, of South Derbyshire District Council stated that their records indicate the site had been used for a number of potentially contaminative uses historically, on, and in close proximity to the site. The numbers assigned to each activity below indicates the location of each activity, which is shown in Appendix C. Activities 2, 5, 6, 7, 9, 10, 11 and 12 relate to the site, with the remaining numbers located immediately to the west of the site. The recorded activities include:

- (1) Operation of a landfill site licensed to accept sewage sludge, and ash at former gravel pit – relates to the filling of former gravel pits to the northwest of the site with PFA;
- (2) Electricity production & distribution (including large transformers) – to the west of the site;

Drakelow Park, Burton Upon Trent

- (3) Quarrying of sand and clay, operation of sand & gravel pits - relates to the former removal of material from historical gravel pits approximately 700m to the northwest of the site;
- (4) Unknown filled ground (pond, marsh, river, stream, dock etc) – immediately to the west of the site;
- (5) Environment Agency licensed PPC A1 process: landfill of asbestos – in the west site, pertaining to former landfilling activity in this area;
- (6) LA PPC Part B process: ready mix concrete – in the east of the site, pertaining to Roger Bullivant Ltd current site production of foundation and pile solutions;
- (7) Sewage – in the north of site, pertaining to the former sewage works which is now decommissioned and demolished;
- (8) Unknown filled ground (pond, marsh, river, stream, dock etc) – in the southwest of the site, on boundary with National Grid substation site. Thought to pertain to the infilling of a fish pond formerly present in the area;
- (9) Currently licensed waste site: A11 – household, commercial and industrial wastes – in the southeast of the site, the license details not given;
- (10) Railways – running westward through the centre, and to the west of the site, pertains to former rail lines. These are no longer in use on site and some sections have been removed;
- (11) Possible tanks (under or above ground) – in the centre and southeast of site, thought to pertain to former tanks present historically in the centre and in the southeast of the site pertaining to diesel tanks and other tanks associated with Roger Bullivant Ltd; and
- (12) Miscellaneous power facilities – in the north and centre of the site, uses are unknown but thought to be related to operational use of former Drakelow Power Stations 'A' & 'B', possibly also 'C' to the west of the site.

Item 3 also applies to various areas off site, particularly in relation to a site identified to the southwest of the site, where the quarrying of sand and clay, and the operation of sand & gravel pits took place. A plan showing all above noted locations is included in Appendix C.

Mr. Calverley stated that based on the current land use for this site, it has been ranked as low-medium priority for detailed inspection. However, he also stated that any development introducing new receptors to the site would increase the onsite risk, hence thorough investigation would be made a condition of any development proposed on site. The written response from Mr. Calverley is given in Appendix C.

7.2 ENVIRONMENT AGENCY

The Environment Agency was requested to provide any information pertaining to the site area and immediate surroundings by Waterman Environmental. A list of past pollution incidents relating to the site, and a flood map is presented in Appendix C and the groundwater quality data in Appendix E. The groundwater quality data relates to the surrounding area although the exact locations of boreholes are unknown.

The Environment Agency confirms:

- the area to the north of the site has a history of flooding for 1875 and 1955;
- there are no flood defences pertaining to the site; and
- there are three pollution incident notifications, of which two are categorised as having a minor impact on nearby receiving waters.

Screening of the chemical groundwater data provided by the Environment Agency indicates that organics, herbicide and pesticide concentrations are generally below relevant Environmental Quality Standards and UK Drinking Water Standards. Nitrite, however, exceeds the aforementioned screening standards.

7.3 PLANNING OFFICER

The Planning Officer, Mr Alan Barrett, of South Derbyshire District Council issued their records of approved planning applications for the site to Waterman Environmental. The following exerts are deemed pertinent and indicate approved adjustments to the site:

- a factory and work shop in 1964-65, with an office extension to the existing factory agreed in 1974;
- a change of site use for the storage and processing of scrap metal approved in 1986;
- several applications were granted for temporary and permanent offices and car parking area between 1988 and 1998;
- building to enlarge production facilities, approved in 1999;
- regrading of land and erection of batching plant, both approved in 2000;
- change of use to circulation/storage use including raising of the land, approved in 2000;
- gantry crane, approved in 2000;
- silt treatment, approved in 2001;
- alteration and reduction of land levels, both approved in 2001;
- erection of a concrete batcher and extension to express building 3, both approved in 2004;
- formation of asbestos landfill facility, approved in 2005;
- erection of extension to production facility, approved in 2006; and
- erection of a workshop, access road and yard, approved 2007.

A full list of approved planning applications for the site in included in Appendix C.

7.4 BUILDING CONTROL OFFICER

The Building Control Officer, Ms Anna Palmer, of South Derbyshire District Council stated that their records indicate that there is a landfill within 250m of the site; however, the information was unclear regarding which landfill this pertains to, and the location of the landfill. She also stated that the site has unknown filled ground, railways, the possibility of underground tanks, sewage and quarrying.

She stated the site is also noted as having various power systems. This comment is thought to pertain to the three former Power Stations present on, and to the west of the site.

She stated that the ground conditions in the South Derbyshire area are known for clay and areas of coal.

7.5 LAND OWNERS

7.5.1 Roger Bullivant Ltd.

The Estates Manager, Chris Chatfield confirmed that there were currently earthworks on going in the centre of the site in order to remove foundations from the former 'A' & 'B' Power Stations.

He also stated that the large 'tank' of water to the centre of site was an aggregates processing tank in which aggregates were sieved into different grades. Silt was recovered from the bottom of the tank and pressed into cakes for use/disposal. He expressed that this was no longer in use but would remain on site until it was confirmed it would not be needed for further processes on site.

He confirmed that there were sewage works in the north and centre of the site, which had been decommissioned around 1997, but Roger Bullivant have left the outfall for the works in place, to possibly discharge into in future.

He stated that most of the former Power Stations 'A' & 'B' area had been backfilled with PFA, with some PFA being imported to site for engineering to make up a shortfall of material.

He stated that fifteen boreholes had been installed across the site, for groundwater monitoring pertaining to several previous site investigations. But as most of the site has been reengineered and backfilled, of

the fifteen boreholes installed on site, he estimates there are only three remaining that have not been excavated, decommissioned or destroyed. There are no records for any of the removal or decommissioning of boreholes.

He also stated that no contamination related remediation works were carried out as part of the Power Stations 'A' & 'B' demolition and crush/Type 1 site won materials were kept on site and reused for backfilling and profiling works on site. He also confirmed that asbestos was present in all Power Stations. It is not known, by Waterman Environmental, whether a licensed asbestos contractor was appointed during the demolition works. Therefore asbestos may potentially be present in site won material reused on site.

He also stated that most services were taken out as part of the demolition works to Power Stations 'A' and 'B', but storm outfalls remain on site. Only scrap metals were taken off site during the demolition works. Mr. Chatfield also stated that rail cuttings that were present on site were excavated around six to seven years ago. These materials were largely sand and gravels which were processed by Roger Bullivant Ltd. Some of these materials were reused on site but the majority of these materials were sold and removed off site as aggregates and as part of Roger Bullivant Ltd products.

Mr. Chatfield also mentioned that a licence for the landfilling of asbestos had previously been sought by Roger Bullivant Ltd and issued by the Environment Agency. However, the licence had never been used as it was issued after such waste was removed from site. He also mentioned that Roger Bullivant Ltd hold a mobile plant licence, not specific to the site but registered at the site for mobile equipment and plant used to treat contaminated soils.

He stated that Sapphire Energy Recovery Ltd. hold a waste transfer licence for the transfer of rubber chips (recycled tyres), which they have a separate compound for in the north west of site.

7.5.2 E.On UK Ltd.

The Business Services Manager of the land bounding the west of the site, Ian Hughes, stated that the lagoons to the northwest of the site had been filled with PFA from former Power Stations 'A', 'B' and 'C', with the largest lagoon back filled in 2004.

He also stated that the 'spoil heap' to the west of the site comprised PFA from former Power Stations 'A', 'B' and 'C'. He stated that no remediation had taken place and following the demolition of the Power Stations (A, B & C) there was no burning or burial of wastes on site. All scrap metal was removed from the site and site won crush/Type1 materials were reused. He confirmed that Roger Bullivant Ltd was still removing foundations from Power Stations 'A' & 'B' on the site. This is being done in order for National Grid, who occupy an adjacent site, can build a 400Kv substation extension on this area of land. He conveyed that following recent demolition work immediately to the west of the site (demolition of Power Station C) basements and structures were left underground and were effectively 'tanked' by concrete bases and holding water.

A copy of the written responses is given in Appendix C.

8. PREVIOUS INVESTIGATIONS/REMEDIATION WORK/GEOTECHNICAL WORK

A number of previous reports were reviewed, these are listed in Table 2.

8.1 BWB, JUNE 1999-DRAKELOW POWER STATION, INTERPRETATIVE REPORT

The report was produced on behalf of Birse Construction and comprised an intrusive investigation of the former railway siding at the former Drakelow Power Station. The report does not indicate as to which Power Station, but it is assumed by Waterman Environmental to be 'A' and 'B' (south western part of site) due to the year it was undertaken.

The report stated that during demolition of the Power Station the railway cutting was infilled with blended silt from the interior of the former cooling towers, in order to restore the former railway cutting for the planting of trees. The infilling ceased when it became apparent that the infilling and restoration of the railway cutting was not undertaken under any planning consents.

Drakelow Park, Burton Upon Trent

The purpose of the investigation was to ascertain any impact that the infilled material may have had on groundwater quality and to sample three mounds, two of which comprised silt and timber and one of which contained ash and concrete (all the mounds were situated on hard-standing).

The main points of the report are:

- The intrusive investigation comprised; the excavation of eighteen trial pits within the infilled cutting (max. depth of 4m bgl); the installation of ten groundwater monitoring boreholes (max. depth of 8m bgl) upgradient and downgradient of the infilled cutting; the chemical analysis of selected soil samples from the infilled railway cutting, mounds of silt and boreholes; and the chemical analysis of groundwater samples taken from the boreholes.
- The report identified that the site was underlain by Made Ground comprising loose ashy fill with wood, gravel, brick, metal and plastic with occasional hydrocarbon odours (and occasional slag identified to be from the former railway line) to depths of up to 4m bgl. This material was reported to be poorly compacted and very soft. The Made Ground was underlain by loose orange brown sand and gravels of the River Terrace Deposits.
- Water strikes were noted as slight to fast within the River Terrace Deposits. Groundwater monitoring indicated that groundwater levels within each borehole remained fairly stable; however, the groundwater levels across the site varied between 1.5m and 5.0m bgl.
- The results of the chemical analysis were compared to the ICRCL Guidance 59/83 non-domestic thresholds (superseded by DEFRA and Environment Agency CLR 7, 8, 9, 10 and 11: 2002 and 2005).
- BWB reported that the soil samples taken from the railway cutting indicated that the material encountered in the intrusive investigation contained elevated concentrations of metals (including arsenic, cadmium and the phytotoxic metals) and the downgradient groundwater contained elevated TPH (total petroleum hydrocarbons). However, it was considered by BWB that due to the immobility of the contaminants (BWB reported that leachability tests indicated low leachability) along with little variation in the chemistry of upstream and downstream (of the cutting) groundwater samples the use of the infilled material in the restoration of the cutting would not cause any detrimental environmental impact on the groundwater.
- BWB reported that the chemical analysis of soil samples taken from two of the silt mounds indicated elevated levels of similar elements to those found in the soil samples of the infilled cutting; however, some showed a higher leachability than the infilled cutting soil samples. BWB concluded that these elements did not appear to have detrimentally impacted the groundwater quality of the area.

The main recommendations of the report were:

- Should it be acceptable to the EA, the restoration of the cutting should be completed;
- The ash and concrete of 'Silt Mound 3' should be added to the other two mounds to improve the quality of the silt in order to complete the restoration; and
- The groundwater quality should be verified with a further groundwater monitoring round.

8.2 BWB SEPTEMBER 1999- DRAKELOW POWER STATION, RISK ASSESSMENT

Following the submission of the report (discussed in Section 8.1) to the EA, a number of points were raised and further information was requested by the Environment Agency in order to clarify the risk assessment undertaken by BWB.

A 'Risk Assessment' report was therefore produced by BWB in order to clarify the points and provide a site specific risk assessment.

The main points of the report are:

- BWB clarified in this report that the purpose of the investigation was to provide information to enable the site to be registered as an exempt activity under Paragraph 19 of the Waste Management Regulations 1994.
- BWB clarified that the infilled cutting was approximately 10m to 25m wide and 100m in length with a volume of soil of approximately 5,200m³. The eighteen trial pits undertaken in the investigation

Drakelow Park, Burton Upon Trent

detailed above were located at 10m intervals and therefore represented 290m³ of fill and the twenty-nine samples taken equated to an analytical result for 180m³ of material within the site.

- The risk assessment indicated that there was low/negligible risk associated with the fill material within its environmental setting and associated use.
- The report concluded that the leachability results “should not prevent.... the site being exploited for potable supply” and “that once the dilution effects are taken into consideration none of the elements would appear to be present at such levels as to prevent the current or future use of the water underlying the site as drinking water”. However, the report does not include or indicate whether these statements were substantiated by Detailed Groundwater Risk Assessment, it is therefore assumed by Waterman that they were not.

8.3 GEOTECHNICS LTD. OCTOBER 1999, DESK STUDY AND SITE RECONNAISSANCE AT DRAKELOW, BURTON ON TRENT

The report was produced on behalf of Roger Bullivant Ltd/Drakelow Developments Ltd in order to assist them in the potential acquisition of land which adjoined their property in 1999 (south western part of the site).

The report stated that this area of land was previously occupied by Drakelow ‘A’ and ‘B’ Power Stations and associated coal storage facilities which had recently been demolished at the time of the report.

The report stated that the demolition activities involved the spreading of resultant residues over the area (including ash and coal) and the site reconnaissance identified three mounds of soil (residues from beneath the cooling towers). The report also identified varying site levels with the northeast of some 3m higher in elevation than the area of the demolished Power Stations and cooling towers in the southwest.

Geotechnics Ltd. reviewed documents held by Roger Bullivant which included documents relating to safe methods of working such as the Environmental Compliance Policy which applied whilst ‘A’ and ‘B’ Power Stations were still operational and demolition records and a Closure Document relating to the decommission works of the ‘A’ and ‘B’ Power Stations. The Closure Document identified that all below ground voids should be backfilled with rubble and crushed concrete. Geotechnics also reviewed the 1999 BWB reports (reports reviewed in Section 8.1 and 8.2).

The main points from the report are:

- Boreholes were drilled for Power Station ‘C’ in 1967 but were deemed unsuitable and were therefore capped (no depth or method of capping detailed).
- PFA was placed across the site.
- The Closure Document identified that oil interceptors were to be fitted to allow the drainage systems to be used after the closure of ‘A’ and ‘B’ and tanks containing oil and kerosene were to be drained but not the pipework (unclear as to what pipework).
- The demolition records identified that oil was released during the dismantling of pipework within a fuel oil pump house; however, no fuel oil was released into the drainage or surrounding area.
- The demolition records indicated that all asbestos was removed and below ground basements of the rail unloading hoppers, ex-tipper house workshops and the underground coal conveyor were ‘sealed and plated over’ by Powergen.
- Soakaways were installed in order to drain water from the cooling tower bases and the report highlighted that this is likely to have introduced this water into the underlying River Terrace Deposits.
- Boreholes were installed in 1999 by D.G Environmental; however, no other details are known apart from oil was encountered in borehole six in the region of cooling towers 3 and 4.
- Underground chambers were noted as being between 1.5m to 15.0 m bgl, some were described as being broken out and filled with arisings, some have been left in-situ and backfilled and the deeper structures are described as water tight; the report identified that the possibility of voids may exist.
- Potential sources of contamination included deposits of silt from the cooling towers bases and the timber laths within mounds and the infilled cutting, the mounds of material in the northern section of the site, infilling of the basements and localised oil spills and leaks.

Drakelow Park, Burton Upon Trent

- The report highlighted that the groundwater is 'the most likely contaminant transport' due to the highly permeable nature of the River Terrace Deposits beneath the site.

The main recommendations of the report are:

- Further intrusive investigation should be undertaken to characterise the site.
- The timber from the cooling towers should not be burned (as suggested in the Demolition Contractor's Method Statement) due to the high arsenic contents.
- The Environment Agency identified that the material from the mounds and infilled cutting (from the BWB investigation) should not be left on site and therefore Geotechnics recommended that the material should be taken off site and had understood that Powergen were making arrangements to do so.
- Removal of coal from beneath areas of proposed buildings.
- Groundwater monitoring within the River Terrace Deposits to identify any potential impact of the soakaways and the infilling of the below ground voids.

8.4 GEOTECHNICS LTD. DECEMBER 1999, FACTUAL DATA AND INTERPRETATIVE REPORT AND CONTAMINATION ISSUES.

These reports were undertaken following the 'Desk Study and Site Reconnaissance' (reviewed in Section 8.3).

The purpose of the reports was to obtain information on ground and groundwater conditions relating to the land previously occupied by 'Drakelow 'A' and 'B' Power Stations.

The main points of the reports are:

- Twenty-five trial pits were excavated to a maximum depth of 4.6m bgl and sixteen boreholes were sunk by cable percussion method to a maximum depth of 13m bgl. All boreholes were installed with gas and groundwater monitoring standpipes. In-situ permeability tests were also undertaken within the River Terrace Deposits in five of the boreholes; permeabilities of between 1.74 and 3.91 x 10⁻⁶m/sec were calculated.
- Soil samples were taken and sent for geotechnical testing such as mechanical analysis-sieving.
- The ground conditions encountered are described as Made Ground to a depth of between 0.1m and 2.9m, including grey/black ashy, sandy gravels with clinker in the area of the former coal storage facilities and demolition waste comprising sandy gravel with cobbles, brick, wood and metal in the area occupied by the Power Stations and associated infrastructure. River Terrace Deposits underlie the Made Ground and were proven to a maximum depth of 11.9m bgl; however, in general the River Terrace Deposits were much shallower and comprised medium dense orange brown fine to medium sand with some fine to coarse gravel, overlying the Mercia Mudstone Group (some reworked). The Mercia Mudstone was drilled for 1m (in order to prove the top of the stratum) and comprised stiff hard red brown friable silty clay.
- Groundwater was encountered as a seepage within the River Terrace Deposits during drilling. Monitoring indicated that groundwater levels were between 0.75m and 6.28m bgl and that the hydraulic gradient across the site falls from east/southeast towards the River Trent.
- The report highlighted elevated carbon dioxide ground gas concentrations within two of the monitoring boreholes.
- Foundations could utilise the sand and gravels of the River Terrace Deposits of which a nominal net bearing pressure of 200kN/m² should be used with immediate settlements within tolerable limits for a typical structure. Geotechnics state that groundwater would impinge on excavations for formation at a lower level and therefore drainage would be required. Geotechnics highlighted that careful consideration should be given in the options for development for the area of the old Power Stations and infrastructure due to the possibility of old foundations and below ground voids and differential settlement.

- Thirty-six soil samples (thirteen from Made Ground, nine from the River Terrace Deposits and fourteen from the Mercia Mudstone and sixteen groundwater samples were chemically tested for Group A contaminants (Metals) and Group B contaminants (Phytotoxic metals) published by the ICRCL 59/83 along with PAH, phenols, total cyanide, sulphate, sulphur and sulphide. The results were reviewed in accordance with 'Industrial/commercial use' in the context of the ICRCL Guidance Note 59/83.
- It is understood by Waterman Environmental that Geotechnics also reviewed the BWB chemical test results. The report stated that the results were below the ICRCL Guidance for non-domestic uses with the exception of the spoil heaps and in the area of infilled cutting, and isolated areas of elevated arsenic, boron and lead within the Made Ground and elevated nickel in the Mercia Mudstone.
- Geotechnics stated that two spoil heaps containing elevated contaminants had already been removed by Powergen prior to the finalisation of the Geotechnics report and that the material from the infilled cutting would be removed in due course.
- Geotechnics assessed the remaining isolated elevated metals with four types of receptors; construction workers, end users, plants and groundwater. Geotechnics highlighted that construction workers should wear PPE and be provided with mess facilities; Made Ground should be removed from beneath proposed buildings and capping to be provided over landscaping areas; a 'building specific investigation' should be undertaken once the proposed layout is known in order to assess the potential gas issue for end users; and the use of capping layers or resistant species of plants within landscaped areas. Elevated concentrations of metals and phenol were encountered within the groundwater; however, Geotechnics state that the discharges via the groundwater to the River Trent would not pose a significant risk due to the control of release by the permeability of the soil and the hydraulic gradient and the high flows of the River Trent.
- Geotechnics concluded by stating that the "naturally occurring materials have not been significantly contaminated by past use" and that the "activities on the site have not significantly impacted on the quality of the groundwater beneath it".
- Geotechnics stated that the timber laths highlighted in the desk study are being removed by Powergen.

8.5 GEOTECHNICS LTD. JUNE 2001 TO DECEMBER 2002, GROUNDWATER MONITORING

Groundwater monitoring was undertaken by Geotechnics Ltd in the south western part of the site between June 2001 and December 2002. The groundwater samples were submitted for limited chemical analysis, namely for metals and in-organics. Waterman Environmental obtained these results from Roger Bullivant Ltd and are presented in Appendix E. It should be noted that the groundwater quality data relating to the site is dated, and since this monitoring exercise there has been significant earthworks in the vicinity of the boreholes.

Given that the shallow groundwater on site is likely to be in hydraulic continuity with the River Trent immediately to the north of the site, and Darklands Brook, which extends through the centre of the site; Waterman Environmental compared the chemical groundwater data with published Environmental Quality Standards (EQS). Where EQS currently do not currently exist, UK DWS have been used (see Appendix E). Although no public potable water abstractions have been identified on, or within the immediate vicinity of the site, UK DWS have been used in the absence of EQS since surface water is abstracted from the River Trent for spray irrigation of agricultural land to the south of the site.

It should be noted that EQS for chromium; lead; copper and zinc vary depending on the groundwater hardness. Since there is no hardness data, the lowest EQS for these constituents have been used, and thus may be a conservative screening value.

The laboratory Limits of Detection (LOD) for chromium, copper, zinc and ammonia concentrations are above the EQS. Where this is the case, the LOD have been used as a worst case scenario.

Drakelow Park, Burton Upon Trent

Screening of the groundwater data with the aforementioned published standards indicates the following:

- Groundwater pH ranges from slightly acidic to very alkaline;
- Observed nitrite concentrations exceed UK DWS on several occasions, but appear to relate largely to boreholes BH7 and N7 in the north west and southern part of the site respectively;
- All observed ammonia concentrations exceed EQS and this reflects the LOD exceeding the EQS. Significantly elevated concentrations are consistently recorded in borehole BH7, and to a lesser extent in boreholes N4 and N7;
- The LOD for zinc exceeds the most sensitive EQS, elevated concentrations generally relate to boreholes BH7 and N3;
- Observed nickel, iron and arsenic concentrations exceed the respective screening value and appear particularly elevated in BH7;
- Observed copper concentrations were found to be elevated in boreholes N1, N4 and BH7;
- Magnesium concentrations were found to exceed UK DWS on several occasions in boreholes N4 and N7;
- Observed aluminium concentrations were significantly greater than the UK DWS in boreholes N1, N2 and BH7; and
- Copper concentrations were found to be significantly greater than the EQS in borehole BH7 and to a lesser extent in boreholes N1, N4 and N5.

8.6 E.ON SEPTEMBER 2005, PROPOSED COMBINED CYCLE GAS TURBINE POWER STATION AT THE FORMER DRAKELOW POWER STATION SITE, ENVIRONMENTAL STATEMENT

The above report (section 8.3) was compiled by Power Technology in order to accompany the application to the Secretary of State for Trade and Industry for consent under Section 36 of the Electricity Act 1989 to construct a Combined Cycle Gas Turbine (CCGT) power plant to the west of the site.

The sections pertaining to the water quality, geology, hydrogeology and contaminated land have been reviewed and are discussed below.

The main points of the water quality section are:

- Water would be abstracted from the River Trent for use as cooled water (CW) within the CCGT and discharged back into the river.
- The Environment Agency monitor the quality of the water in the River Trent close to the site, the Environment Agency monitoring results between 2000 and 2004 had met the relevant water quality standards and that there was no significant difference between the upstream and downstream water quality data. The report also highlighted that water has been abstracted for 50 years from the River Trent to use at the site and that the water abstraction licence at the site was still valid (at the time of the report).
- The report indicated that the CCGT was to be built on the old Drakelow 'C' coal stock area and the potential effects from the construction site included run off of suspended solids, chemical and oil spillages reaching the drainage outfall or groundwater. The report stated that operational sediment settlement and oil facilities would be supplemented with new systems where necessary and an environmental management plan would be designed to prevent such impacts.
- The drainage system of Power Station 'C' involves all surface water run-off routed through a service lagoon prior to discharge.
- Modelling was undertaken in order to assess the impact of the discharge of the cooled water back into the River Trent and concluded that the CW discharge from the proposed CCGT is not expected to have a significant effect on the main channel of the River Trent.
- The report also concluded that water entering and leaving the Power Station will be monitored by the Power Station staff to ensure discharges are managed within agreed limits.

The main points of the geology, hydrogeology and drainage section are:

Drakelow Park, Burton Upon Trent

- Site investigations were undertaken in the 'C' Power Station complex in 2000 and 2004. The geology of the site was described as Made Ground (ashy sand, clay, coal, mudstone and brick) with a maximum thickness of 3m overlying River Terrace Deposits described as sand and gravel with occasional clay overlying Mercia Mudstone (approx.100m thick) overlying Sherwood Sandstone.
- Monitoring of groundwater in 2000 and 2003 has demonstrated that groundwater is present within the River Terrace Deposits at approximately 1.5 to 3.5m bgl (47.5 to 52.5m AOD) and that the flow is in a general northerly direction towards the River Trent.

The main points of the contaminated land section are:

- Trial pits were undertaken within the Coal Stockyard in 2004 and soil samples collected.
- The report stated that the results indicate that the "current risks to human health from dry soil contamination may be relatively low and that continued usage as an industrial/commercial site would be unlikely to pose significant risks to human health"
- Groundwater chemical analysis indicated that concentrations of boron, sulphate, magnesium and manganese within the Minor Aquifer of the River Terrace Deposits were above the relevant reference standard (UK Drinking Water Standards) and elevated concentrations of selenium, potassium, chromium and hydrocarbons were detected in a minority of samples; however the report stated that there was no measurable impact in the down gradient groundwater.

The available chemical results from the BWB and Geotechnics reports were compared by Waterman Environmental to the current UK Soil Guideline Values (SGV's) and Waterman Environmental in house derived criteria (based on current guidance). A residential use was chosen for the land use due to the masterplan showing predominantly residential end land use in the vicinity of the previous site investigations. The assessment indicated that the concentrations of metals encountered in the previous site investigation were elevated in comparison with the current UK guidance values for a residential use.

9. PRELIMINARY CONTAMINATION ASSESSMENT

Contaminated Land, as defined in Part IIA of the Environmental Protection Act 1990 and the Contaminated Land (England) Regulations (2006) is assessed by the identification and assessment of potential pollutant linkages. The linkage between the potential sources and potential receptors identified needs to be established and evaluated.

To fall within this definition, it is necessary that, as a result of the condition of the land, substances may be present on or under the land such 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.

It should be noted that DEFRA has advised (DEFRA Circular 1/2006; Annex 3 Part 4) local authorities that land should not be designated as contaminated where:

- (a) a substance is already present in controlled waters;
- (b) entry into controlled waters of that substance from land has ceased; and
- (c) it is not likely that that further entry will take place.

The local authority should regard something as being "likely" when they judge it "more likely than not to occur".

These exclusions do not necessarily preclude regulatory action under the Water Resources Act 1991, which makes it a criminal offence to cause, or knowingly permit, any poisonous, noxious or polluting matter to enter controlled waters. In England and Wales, under the Anti-Pollution Works Regulations 1999, an anti-pollution notice may be served by the regulator requiring appropriate investigation and clean-up.

A Conceptual Model of the site has been developed, based on the information presented in the previous sections and is described below. A simplified schematic conceptual model for the site showing the identified sources, potential pathways and identified receptors is presented as Figure A5 in Appendix A.

Drakelow Park, Burton Upon Trent

Potential contamination sources and receptors are described in Sections 9.1 and 9.2 and the risk of harm or pollution between each are assessed in Section 9.3

9.1 POTENTIAL CONTAMINATION SOURCES

The potentially contaminative activities which have been identified from the review of available information to have taken place at, or adjacent to the site, are summarised in Table 12 and Table 13 respectively. Those potential contamination sources and their form (solid, liquid, gas), in which they are likely to be present as a result of these activities are also detailed.

Table 12: Historical and Current Potential Contamination Sources Identified On Site

Source	Location	Activity	Potential Contaminants	Solid	Liquid	Vapour /Gas
From Records and Site Walkover						
Former Drakelow Power Stations 'A' & 'B'	Southwestern and central area	Electricity generation from combustion of coal and coal storage	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, solvents, chlorinated hydrocarbons and PAHs	✓	✓	✓
Roger Bullivant Ltd (former building block factory)	East and central area	Foundation and pile manufacture, product storage and plant maintenance	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, solvents & PAHs	✓	✓	✓
Made Ground	Across site, particularly southwestern area	Demolition rubble, silt, PFA, aggregates.	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, solvents, chlorinated hydrocarbons and PAHs	✓	✓	✓
Potential asbestos containing buried pipework	Across site	Buried services	Asbestos	✓		
Storage of chemicals and product additives	Various locations	Storage of additives and chemicals for production of pile and foundation products	Various chemicals including cement products, acids, plasticisers and other toxic substances	✓	✓	✓
Former Sewage Works/Water Treatment Works	Adjacent to northern boundary and historically to south central area (noted as a water treatment plant)	Treatment of raw sewage/foul water	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, solvents & chlorinated hydrocarbons	✓	✓	✓
Former Railway Land	Runs from northwest to southeast of the site	Transport of coal to site and cargo/passenger trains through the site	Metals, inorganics, asbestos, PCBs, PAHs, solvents & chlorinated hydrocarbons	✓	✓	✓
Drakelow Mill	Southeastern of area	Milling of corn, wheat and oats by water powered wheel	Organic waste	✓		✓

Drakelow Park, Burton Upon Trent

Source	Location	Activity	Potential Contaminants	Solid	Liquid	Vapour /Gas
Electric Sub Station	Currently central eastern area and historically south-central area of site	Electricity distribution	PCBs, fuels, oils and solvents	✓	✓	✓
Coal Dust	Central area and south western area	Residue from stockpiling of millions of tonnes of coal	Metals, semi metals, inorganics, asbestos, PCBs, radioactivity, fuels, oils and solvents and combustible.	✓	✓	✓
Diesel Tanks	South central area	Storage of fuels	Diesel fuel, metals, inorganics, asbestos, phenols, solvents, hydrocarbons and PCBs.	✓	✓	✓
Storage tank	South central area	Storage of unknown liquid	Fuels, metals, inorganics, asbestos, phenols, solvents, hydrocarbons, PCBs and sludges	✓	✓	✓
Farmland	North eastern and south eastern area	Arable and livestock farming	Metals, semi metals, inorganics, organic wastes, animal waste, pesticides & herbicides, phenols, hydrocarbons, PAHs, chlorinated hydrocarbons.	✓	✓	✓
Rubber Recycling Compound	North west	Handling and storage of recycled rubber shavings	Metals, semi metals, inorganics, phenol, PCBs, hydrocarbons and chlorinated hydrocarbons	✓		
Licensed Waste Management Facility	South eastern area	Household, commercial and industrial waste	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, chlorinated hydrocarbons and PAHs. Also dioxins and furans.	✓	✓	✓
Processing and storage of scrap metal		Storage and processing of scrap metal	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, hydrocarbons, chlorinated hydrocarbons, phenols and PAHs.	✓	✓	
Filled ground	Across site	Infilling of water bodies, excavations and voids left by demolition and earthworks	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, chlorinated hydrocarbons and PAHs. Also dioxins and furans.	✓	✓	✓

Drakelow Park, Burton Upon Trent

Table 13: Historical and Current Potential Contamination Sources Identified Off Site

Source	Location	Activity	Potential Contaminants	Solid	Liquid	Vapour / Gas
From Records and Site Walkover						
Drakelow Power Station 'C'	Approx. 150m west of site	Electricity generation from combustion of coal and coal storage	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils and solvents, chlorinated hydrocarbons and PAHs	✓	✓	✓
Former gravel pits/silt lagoons	Approx 500m north west of site	Materials quarried from pits and filled with PFA from powerstations & sewage sludge	Metals, semi metals, inorganics, asbestos, PCBs, radioactivity, dioxins, fuels, oils and solvents, ground gas and chlorinated hydrocarbons.	✓	✓	✓
'Spoil Heap'	Approx 150m west of site	Stockpiling of spoil from Power Station – thought to be PFA	Metals, semi metals, inorganics, asbestos, PCBs, radioactivity, dioxins, fuels, oils, solvents and chlorinated hydrocarbons.	✓	✓	✓
Made Ground	Immediately west of site	Demolition rubble, silt, PFA, aggregates.	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, solvents, chlorinated hydrocarbons and PAHs	✓	✓	✓
Railway Land	West of site and adjacent to the north-eastern boundary	Transport of coal to site and cargo/passenger trains through the site	Metals, inorganics, asbestos, PCBs, hydrocarbons, PAHs and chlorinated hydrocarbons.	✓	✓	✓
Coal Dust	Immediately west of site	Residue from stockpiling of millions of tonnes of coal	Metals, semi metals, inorganics, asbestos, PCBs, radioactivity, fuels, oils, solvents and chlorinated hydrocarbons and combustible.	✓	✓	✓
Tanks, underground voids	West of site	Underground tanks and structures left in place following demolition of Power Station C	Metals, semi metals, inorganics, asbestos, PCBs, radioactivity, fuels, oils and solvents, ground gas and chlorinated hydrocarbons.	✓	✓	✓
Tank Farm	Immediately northwest of site	Suspected tank farm holding unknown chemicals/products	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, solvents and chlorinated hydrocarbons.	✓	✓	✓
Filled Ground	Immediately west of site	Infilling of water bodies, excavations and voids left by demolition and earthworks	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, chlorinated hydrocarbons and PAHs. Also dioxins and furans.	✓	✓	✓
Processing and storage of scrap metal	West of site	Storage and processing of scrap metal	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, hydrocarbons, chlorinated hydrocarbons, phenols and PAHs.	✓	✓	

Drakelow Park, Burton Upon Trent

Source	Location	Activity	Potential Contaminants	Solid	Liquid	Vapour / Gas
Major National Grid 400kv Substation (noted in historical maps as part of Power Station)	Adjacent to the south western corner	Electrical distribution centre	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, solvents, hydrocarbons, PAHs and chlorinated hydrocarbons.	✓	✓	✓
Farmland	Approx 30m south of the site	Arable and livestock farming	Metals, semi metals, inorganics, organic wastes, animal waste, pesticides & herbicides, phenols, hydrocarbons, PAHs, chlorinated hydrocarbons.	✓	✓	
Tile works	North west of the site	Production of tiles	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils and solvents	✓	✓	
Brick works	Approx. 250m east of the site	Production of bricks	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils and solvents	✓	✓	
Branston Works	Approx. 100m north of the site	Food preparation				
Colour Mill	Approx. 600m to northeast of the site	Production of dyes and cloth dying activities	Metals, semi metals & non metals, inorganics, asbestos, PCBs, fuels, oils, hydrocarbons, chlorinated hydrocarbons, phenols, solvents and dieldrin.	✓	✓	
Landfills	Two landfills to north west of site, within 1 km.	Landfilling of wastes (mainly PFA, Made Ground, excavated materials and inert wastes	Metals, semi metals, inorganics, asbestos, PCBs, fuels, oils, chlorinated hydrocarbons and PAHs. Also dioxins and furans.	✓	✓	✓

9.2 POTENTIAL RECEPTORS

Receptors that are required to be considered under Part IIA of the Environmental Protection Act 1990 are summarised in Appendix F.

The potential environmental receptors identified during this study are summarised in Table 14 below.

Table 14: Environmental Receptors Potentially at Risk from the Identified Hazards

Category	Receptor	Location	Comments
Human Beings	Present site users	Across whole site	Currently used by Roger Bullivant Ltd. Employees and site visitors. Approximately 1/4 of the site is covered with hard standing.
	Future site users, construction and maintenance workers	Across whole site	Mixed use redevelopment scheme proposed with areas of housing and commercial premises.

Drakelow Park, Burton Upon Trent

Category	Receptor	Location	Comments
Property (buildings)	Adjacent properties users	Adjacent areas	There are very few adjacent properties to the site, although, site users including construction workers may be present to the west of the site in the areas of the former Power Station.
	On site structures	Across whole site	Primarily foundations and services of existing buildings and future buildings over the entire site.
	Adjacent structures	Adjacent to site	Primarily foundations and services within the adjacent properties.
Property (crops, livestock)	Crops and livestock	Adjacent to southern boundary of the site	Arable crops and rare breeds farm lie adjacent to the site.
Ecological systems	Drakelow Nature Reserve	Northwest of the site	Drakelow Nature Reserve (non statutory designation)
	On site vegetation	Vegetation bounds the site and strands of woodland habitats across site	It is understood that some of the trees on site are protected under tree preservation orders (TPO's)
Controlled waters	Darklands Brook	Centre of the site	Runs through site, appears to be partially culverted beneath Roger Bullivant operational production area.
	Fishing Pond	West of site	Access is restricted to the pond.
	River Trent	Adjacent to the northern site boundary	Flows west to east, flow rate <40m ³ /s, biological rating of C, chemically rated as B according to EA.
	Unnamed Tributary to River Trent	South west of site	Historical land drain.
	Minor Aquifer	On site	Corresponds with Alluvium deposits, and potentially River Terrace Deposits.
	Roger Bullivant surface water abstraction	On site	Water abstracted from Darklands Brook for industrial use (dust suppression).
	Spray irrigation (surface water abstraction)	Approx. 300m south of the site	Water abstracted from Darklands Brook for spray irrigation of crops.

9.3 PRELIMINARY CONTAMINATION ASSESSMENT

The risk of significant harm or pollution of controlled waters given the current site use has been assessed qualitatively as **low medium** or **high**, using the criteria shown in Appendix D.

A risk estimation matrix for all pollutant linkages identified is shown in Table 15 overleaf.

Table 15: Contamination Assessment Summary

Receptor	Potential Sources	Pathways	Risk	Justification
Human Health				
Existing site users	Contaminated soils and groundwater	Direct contact / ingestion, inhalation.	Low to Medium	There is evidence of potentially significant contaminating activities on the site and the potential for migration from off-site sources. The previous site investigations undertaken in the southern/south western area of the site indicated elevated levels of contaminants. Much of the current activity undertaken on the site is on hard-standing. However, there are currently earthworks being undertaken in some areas (assessed as a separate receptor). There is currently restricted access (employees and site visitors) for the site. There is no access to the general public.
	Ground gas/ vapours	Inhalation	Low to Medium	There is evidence of infilled pits, sewage works and fuel storage tanks on the site. Limited gas monitoring within the southern part of the site from a previous site investigation recorded elevated concentrations of carbon dioxide. Much of the site however is covered with hard-standing, with limited number of industrial buildings and an office. Earthworks are currently being undertaken (assessed as a separate receptor). There is restricted access on site (employees and site visitors).
Future site users	Contaminated soils and groundwater	Direct contact/ inhalation, ingestion	Medium	There is evidence of potentially contaminating activities at the site and the potential for migration from off-site sources. The previous site investigations undertaken in the southern /south western areas of the site indicated elevated concentrations of contaminants. The proposed mixed use development is likely to comprise areas of gardens and soft landscaping; therefore the risk of direct contact, ingestion and inhalation of contaminated soils and groundwater is considered likely.
	Ground gas/ vapours.	Inhalation	Medium	There is evidence of infilled pits, sewage works and fuel storage tanks on the site. Limited gas monitoring within the southern part of the site found elevated carbon dioxide. The future use is likely to buildings (residential and commercial) and enclosed spaces.
Construction/ Earthwork/ Maintenance workers	Contaminated soils and groundwater	Direct contact/ inhalation, ingestion	Low to Medium	There is evidence of potentially contaminating activities at the site and the potential for migration from off-site sources. The previous site investigations undertaken in the southern /south western areas of the site indicated elevated concentrations of contaminants. The use of appropriate personnel protective equipment (disposable suits, gloves and boots) and hygiene practices will reduce the risk.

Drakelow Park, Burton Upon Trent

Receptor	Potential Sources	Pathways	Risk	Justification
	Ground gas / vapours.	Inhalation.	Low to Medium	There is evidence of fuel storage tanks, infilled gravel pits and sewage works on the site. Limited gas monitoring within the southern part of the site found elevated carbon dioxide. The use of appropriate personnel protective equipment and hygiene practices will reduce the risk. Excavations should be monitored for explosive and dangerous gases and the entry into confined spaces reduced wherever possible and only undertaken by suitably trained workers.
Adjacent properties users	Contaminated groundwater and vapour	Migration through the Minor Aquifer strata, direct contact, inhalation, ingestion	Low to Medium	There is evidence of previous potentially contaminating activities at the site and a potential for off-site migration onto neighbouring properties of contaminated soil, groundwater and vapours. Off site sources in the surrounding area may also provide a primary source for adjacent structures rather than from this site.
Property (buildings)				
On site structures	Sulphate, phenol	Direct contact.	Medium	Previous site activities may have caused areas of low soil and groundwater pH and thus there is the potential for attack on buried concrete structures and services.
	Ground Gas	Migration through near surface soils and service routes	Medium	There is evidence of infilled pits, sewage works and fuel storage tanks on the site. Limited gas monitoring within the southern part of the site found elevated carbon dioxide gas concentrations.
Adjacent structures	Sulphate, phenol	Migration through groundwater	Low to Medium	Previous site activities may have caused areas of low soil and groundwater pH. Given this, there is the potential for attack on buried concrete structures and services. However, off site sources in the surrounding area may also provide aggressive conditions for adjacent structures rather than from this site.
	Ground gas	Migration through near surface soils	Low to Medium	There is evidence of infilled pits, sewage works and fuel storage tanks on the site. Limited gas monitoring within the southern part of the site found elevated carbon dioxide. However, off site sources in the surrounding area may also provide aggressive conditions for adjacent structures rather than from this site.
Property (crops, livestock)				
Crops and livestock	Contaminated groundwater and vapour	Migration through near surface soils and through the minor aquifer, direct contact, inhalation, ingestion	Low	There is evidence indicating that potentially contaminating activities have occurred on site. Elevated concentrations of inorganic and organic contaminants including phytotoxic metals were encountered in previous site investigations within the southern part of the site. However, the same site investigations indicated groundwater flow to be towards the River Trent, upgradient of the majority of the adjacent crop and livestock land.

Drakelow Park, Burton Upon Trent

Receptor	Potential Sources	Pathways	Risk	Justification
Ecological Systems				
Drakelow Nature Reserve, On site vegetation	Contaminated soils and groundwater.	Surface water run-off, migration through near surface soils.	Low to Medium	Potentially contaminating activities have occurred on site and elevated concentrations of inorganic and organic contaminants including phytotoxic metals were encountered in the limited previous site investigations undertaken in the southern section of the site.
Controlled Waters				
Darklands Brook and Fishing Pond	Contaminated soils and groundwater.	Surface water run-off, lateral migration of contamination.	Medium	Potentially contaminating activities have occurred on site. Elevated concentrations of inorganic and organic contaminants were encountered in the limited previous site investigations undertaken in the southern / south western areas of the site in the soils and groundwater, which could be in hydraulic connection with Darklands Brook.
River Trent and Unnamed Tributary to the River Trent	Contaminated soils and groundwater.	Surface water run-off, lateral migration of contamination.	Medium	Potentially contaminating activities have occurred on site. Elevated concentrations of inorganic and organic contaminants were encountered in the limited previous site investigations undertaken in the southern / south western areas of the site in the soils and groundwater, which could be in hydraulic connection with the River Trent.
Minor Aquifer of the Alluvium deposits	Contaminated soils and groundwater.	Downward migration through the soils.	Medium	The underlying Minor Aquifer is of local importance for water supply and supplying base flow to local rivers. Potentially contaminating activities have occurred on site and elevated concentrations of inorganic and organic contaminants were encountered in soils and groundwater during the limited previous site investigations.

10. PRELIMINARY GEOTECHNICAL ASSESSMENT

10.1 FOUNDATIONS AND FLOOR SLABS

The previous Geotechnics Ltd. investigation, which contained limited geotechnical data for the southern part of the site, suggested the sand and gravels of the River Terrace Deposits of this area may be a potentially competent founding stratum with a nominal net bearing pressure of 200kN/m², with immediate settlements within tolerable limits for a typical structure. This interpretation has not been confirmed by Waterman Environmental and a thorough intrusive investigation would be required in order to provide a foundation solution for the proposed redevelopment.

Due to the historical development of the site any redevelopment layout should consider any old foundations and services and the potential for differential settlement.

10.2 EARTHWORKS

Data from previous investigations indicates that groundwater levels are relatively shallow on site. Therefore, excavations dug for foundations during redevelopment works may potentially fill with water and are likely to need dewatering or adequate site drainage.

The site walkover noted many areas comprising deep standing water which would need dewatering prior to redevelopment.

Due to the uneven nature the site as result of past earthworks and land uses, it is likely that a cut and fill exercise will be needed to bring the site to a consistent formation level for the redevelopment of the site.

10.3 INFRASTRUCTURE

It is unlikely that soakaways will be permitted as part of any redevelopment due to the proximity to the River Trent to the site. Any discharge is unlikely to percolate into the relatively impermeable Mercia Mudstone Group underlying the site. Consequently any discharges to a soakaway could potentially enter the river through the Alluvium, presenting an environmental risk to the sensitive receptor.

Furthermore standing water and marshland to the northwest of the site indicate that soils in this area are not particularly permeable and are unlikely to allow site drainage water to soakaway rapidly enough.

Recent demolition works on the site did not include the decommissioning of all services, and many including drainage, may still be active beneath the site. Any intrusive works should include a full site scan for current and past services on site, to avoid striking any infrastructure which may still remain.

Below ground services may contain insulating material that may contain asbestos materials.

10.4 SUB-SURFACE CONCRETE

It is likely that shallow foundations or deep piles will be used for buildings constructed on site as part of the redevelopment, dependent on the site layout and type of buildings used in the redevelopment. The BRE Special Digest 1: Concrete in Aggressive Ground, notes that buried concrete used in foundations and piles can be subject to chemical attack from elevated levels of sulphates and other compounds within soils. This is particularly true of soils containing any coal residues. Prior to redevelopment of the site an assessment of sulphate & pH concentrations in soils within areas to be developed should be carried out, in order to design a suitable buried concrete to be used in the redevelopment, in accordance with guidance given in BRE Special Digest 1.

10.5 OBSTRUCTIONS AND VOIDS

The site has previously been developed with various Power Stations, works and dwellings. Most of these buildings have now been demolished (however some floor slabs remain), with exception to operational units currently used by Roger Bullivant Ltd. Consultations with representatives of both current site occupiers have confirmed that underground structures, foundations and drainage runs have been left in place across the site, though the buildings have been demolished to ground level. These buried obstructions may hinder any foundation or piling works carried out as part of the redevelopment construction works.

Previous reports indicate the potential for underground voids may exist.

11. OTHER DEVELOPMENT CONSTRAINTS

11.1 JAPANESE KNOTWEED

It is understood that there are patches of Japanese Knotweed along the railway embankment within the site and there is the potential for Japanese Knotweed to be present elsewhere.

12. CONCLUSIONS

12.1 CONTAMINATION

Based on the information obtained during the desk study and the observations made during the walkover survey, it is concluded that the potential for a significant pollutant linkage with respect to ground contamination at the site is **MEDIUM**.

The potential pollutant linkages that have been assessed as a medium risk are as follows:

- contaminated soils/groundwater and ground gas/vapour through direct contact, inhalation and ingestion to future site users;
- contaminated soils/groundwater and ground gas/vapour through migration through near surface soils and service routes to on site structures; and
- contaminated soils/groundwater through surface water run off, lateral and downward migration to Darklands Brook, unnamed tributary of the River Trent, fishing pond, River Trent and the Minor Aquifer of the Alluvium.

12.2 GEOTECHNICAL

There are likely to be many obstructions and voids on site due to previous development of the site, which has left foundations and subsurface structures following demolition.

The previous activities on site may have lead to variable properties within the ground and therefore the potential for differential settlements exists.

Standing pools of water on site are likely to need dewatering prior to redevelopment of the site. Also, any excavations dug as part of the redevelopment are likely to need dewatering, due to relatively high groundwater levels beneath the site.

The stability of excavations may also potentially be affected by the high groundwater levels and excavations may need to be supported for safety.

It is unlikely that the currently existing ground conditions would favour soakaways as a sustainable form of drainage.

Services may still remain in place beneath the site of the two demolished Power Stations and surrounding areas.

Extensive cut and fill works may need to be carried out as part of any redevelopment works since the site has an uneven topography. Exemption from waste management licensing should be obtained for this work from the Environment Agency.

An adequate design for buried concrete to be used in foundations or/and piles for the redevelopment needs to be assessed in accordance with BRE Special Digest 1, particularly due to the amount of coal in Made Ground (potentially leaching sulphates).

13. RECOMMENDATIONS

The following actions are recommended:

Action	Purpose
1. To submit this report to the Local Authority Contaminated Land Officer and agree the scope and timing for intrusive investigation with the Local Authority and Environment Agency.	In order to provide the Local Authority with the information contained within this report, obtain their comments and to ensure "buy in" by the Statutory Authorities.
2. Intrusive site investigation to include chemical and geotechnical sampling and testing and soil gas and groundwater monitoring and sampling prior to development to supplement previous investigation.	To obtain details of actual ground conditions and provide an assessment of soil/groundwater contamination, foundation options and buried concrete classification, assess the gas protections requirements for the proposed redevelopment, and to assess the groundwater flow direction, concentrations and degree of contamination. Also to provide information on underground voids, obstructions and underground pipework that may be insulated with asbestos containing materials that may be potentially present. These works would provide information for the detailed design of the proposed development. Confirmation is required from the Local Planning Authority that these works would be required as a planning condition by the Local Planning Authority prior to any redevelopment.
3. Prior to any intrusive investigation a services scan of the site is recommended.	To identify any live services potentially left in place beneath the site.
4. Confirm that cuttings and mounds detailed in the previous site investigations pertaining to the site were removed from site.	To establish that previously highlighted sources of contamination identified on site were removed and disposed of appropriately.
5. A topographical survey of the site to be undertaken at the detailed design stage.	Advise on the magnitude of any potential future cut and fill exercise, disposal of surplus soils or importation of material deficit.
6. Japanese knotweed survey, fencing and treatment.	A survey should be completed to determine the full extent of Japanese Knotweed and the identified areas immediately fenced off to help prevent spreading of the weed across the site. A scheme of treatment should be agreed and implemented.

GLOSSARY

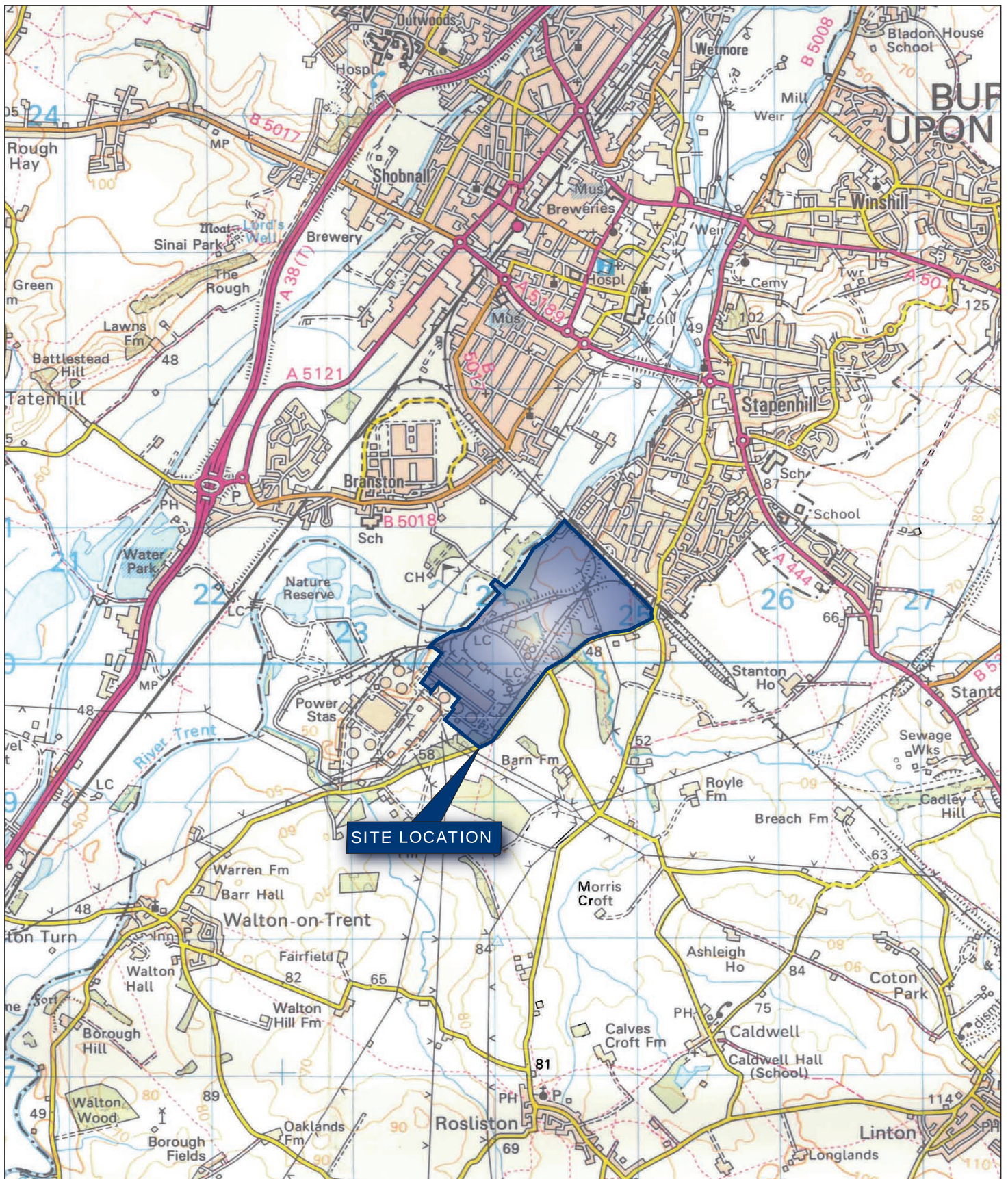
For the purpose of this report, the following terms and definitions apply (see BS 10175:2001).

Accuracy	Level of agreement between true value and observed value.
Conceptual model	Textual and or schematic hypothesis of the nature and sources of contamination, potential migration pathways (including description of the ground and groundwater) and potential receptors, developed on the base of the information from the preliminary investigation and refined during subsequent phases of investigation and which is an essential part of the risk assessment process. Note 1: The conceptual model is initially derived from the information obtained by the preliminary investigation. This conceptual model is used to focus subsequent investigations, where these are considered to be necessary, in order to meet the objectives of the investigations and the risk assessment. The results of the field investigation can provide additional data that can be used to further refine the conceptual model.
Contamination	Presence of a substance which is in, on or under land, and which has <u>the potential</u> to cause significant harm or to cause significant pollution of controlled water. Note 1: There is no assumption in this definition that harm results from the presence of the contamination. Note 2: Naturally enhanced concentrations of harmful substances can fall within this definition of contamination. Note 3: Contamination may relate to soils, groundwater or ground gas.
Controlled water	Inland freshwater (any lake, pond or watercourse above the freshwater limit), water contained in underground strata and any coastal water between the limit of highest tide or the freshwater line to the three mile limit of territorial waters. Note 1: See Section 104 of The Water Resources Act 1991.
Harm	Adverse effect on the health of living organisms, or other interference with ecological systems of which they form part, and, in the case humans, including property.
Hazard	Inherently dangerous quality of a substance, procedure or event.
Pathway	Mechanism or route by which a contaminant comes into contact with, or otherwise affects, a receptor.
Precision	Level of agreement within a series of measurements of a parameter.
Receptor	Persons, living organisms, ecological systems, controlled water, atmosphere, structures and utilities that could be adversely affected by the contaminant(s).
Risk	Probability of the occurrence, magnitude and consequences of an unwanted adverse effect on a receptor.
Risk assessment	Process of establishing, to the extent possible, the existence, nature and significance of risk.
Sampling	Methods and techniques used to obtain a representative sample of the material under investigation.
Soil	Upper layer of the earth's crust composed of mineral parts, organic substance, water, air and living matter. Note 1: In accordance with BS 10175:2001 the term soil has the meaning ascribed to it through general use in civil engineering and includes topsoil and subsoil; deposits such as clays, silt, sand, gravel, cobbles, boulders and organic deposits such as peat; and material of natural or human origin (e.g. fills and deposited wastes). The term embraces all components of soil, including mineral matter, organic matter, soil gas and moisture, and living organisms.
Source	Location from which contamination is, or was, derived. Note 1: This could be the location of the highest soil or groundwater concentration of the contaminant(s).
Uncertainty	Parameter, associated with the result of a measurement that characterizes the dispersion of the values that could reasonably be attributed to the measurement.

Appendix A

SITE PLANS

- o SITE LOCATION PLAN (FIG. A1)**
- o SITE PLAN (FIG. A2)**
- o PROPOSED DEVELOPMENT (FIG. A3)**
- o SITE GEOLOGICAL FEATURES (FIG. A4)**
- o SIMPLIFIED CONCEPTUAL MODEL (FIG. A5)**



Drawing Title

Figure A1: Site Location

Project Title

Drakelow Park

Drawing No

EN6484.GR.DS.A1

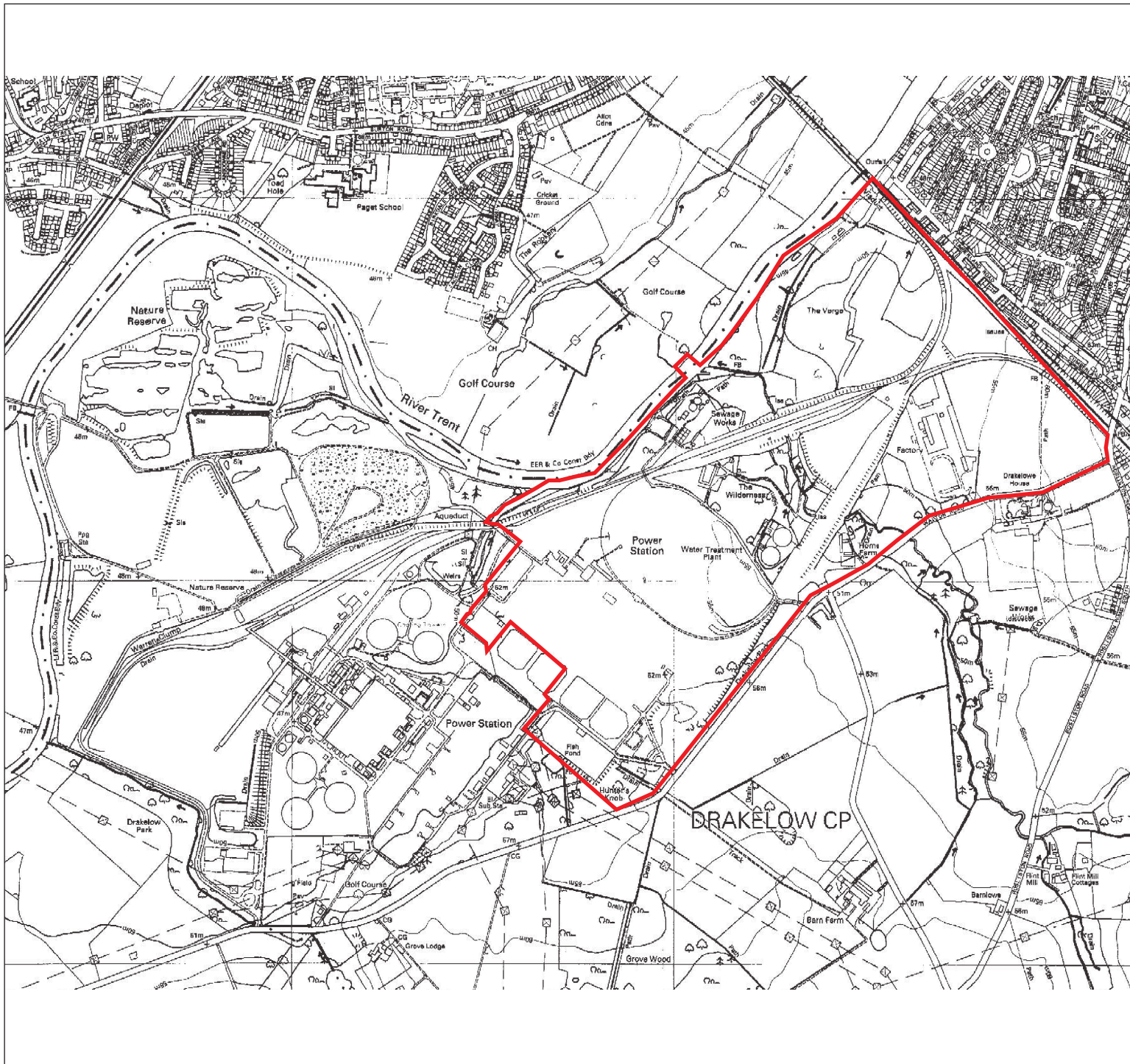
Date

July 2008

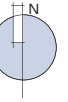
File Location

\\nt-mr\wef\projects\en6400s\en6484\graphics\DS\issued figures





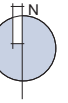
Site Boundary



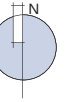
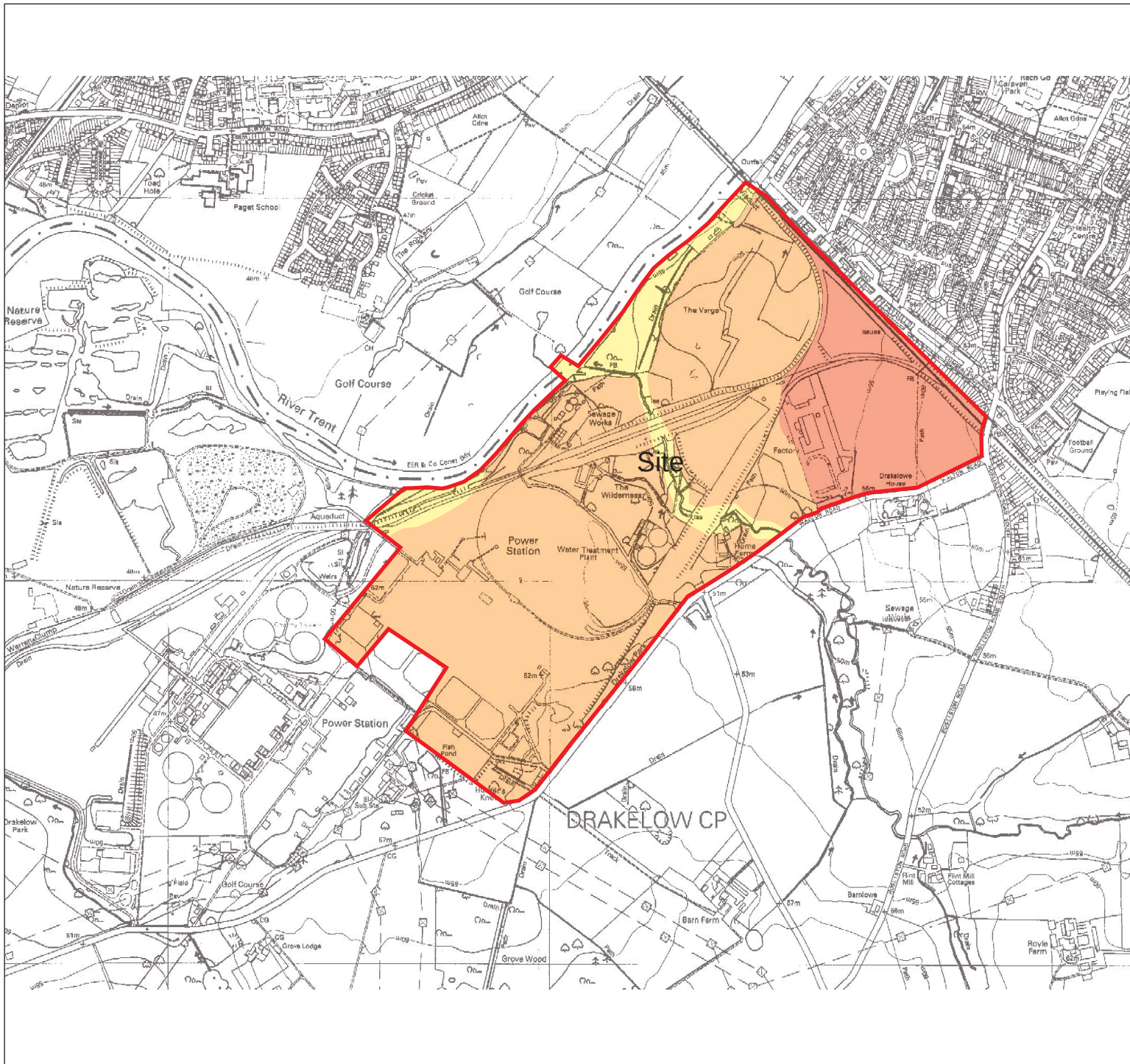
Drawing Title	Figure A2: Site Boundary Plan
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_A2A
Date	July 2008
File Location	\\nt-inss\well\projects\en6400s\en6484\graphics\ds\issued figures



- Site Boundary - 111.40ha
- Residential - 45.26ha
- Retirement Village - 2.00ha
- Employment - 12.66ha
- Local Centres - 2.05ha
- Local Centre Squares - 1.07ha
- Primary School - 2.01ha
- Woodlands - 20.50ha
- Open Space - 15.98ha
- Infrastructure - 7.62ha
- Water / Drainage Infrastructure - 2.25ha



Drawing Title	Figure A3: Illustrative Masterplan
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_A3A
Date	July 2008
File Location	\\nt-ins\swell\projects\en6400s\en6484\graphics\ds\issued figures
 Waterman Environmental Consulting Engineers & Scientists www.waterman-group.co.uk	



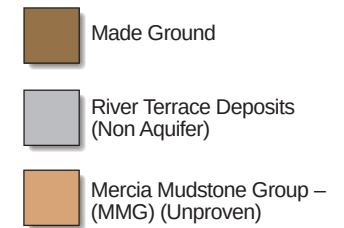
-  Site Boundary
-  River Terrace Deposits (Non Aquifer)
-  Mercia Mudstone Group (Non-aquifer)
-  Alluvium (Minor Aquifer)

Drawing Title Figure A4: Geological Drift Plan

Project Title Drakelow Park

Drawing No EN6484_GR_DS_A4A
Date July 2008

File Location \\nt-inss\well\projects\en6400s\en6484\graphics\ds\issued figures


Waterman Environmental
Consulting Engineers & Scientists

www.waterman-group.co.uk

Appendix B

SITE PHOTOGRAPHS

o PLATES 1–32 (8 PAGES)



Plate 1: Field to southeast of site



Plate 2: Silos, IBC's and other site chemical storage in site



Plate 3: Railway land running through the centre of site



Plate 4: Storage of materials in the site

Drawing Title	Figure B1: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B1A
Date	July 2008
File Location	\\nt-inss\well\projects\en6400s\en6484\graphics\ds\issued figures



Plate 5: Foundation fabrication sheds, on site



Plate 6: Further IBC and materials storage in the site



Plate 7: Darklands Brook running through centre of the site, partially culverted



Plate 8: Aggregates processing pond, on site

Drawing Title	Figure B2: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B2A
Date	July 2008
File Location	\\nt-Inss\\well\\projects\\en6400s\\en6484\\graphics\\ds\\issued figures



Plate 9: Earthworks, on site



Plate 10: Centre and west of the site, former site of power stations A & B



Plate 11: Sunken walled garden to north of the site



Plate 12: Environment Agency building on River trent, north of the site

Drawing Title	Figure B3: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B3A
Date	July 2008
File Location	\\nt-Inss\\well\\projects\\en6400s\\en6484\\graphics\\ds\\issued figures



Plate 13: House & stables in north of the site



Plate 14: Stockpiles of material to centre of the site



Plate 15: Stockpiled materials and plant to centre and west of the site



Plate 16: Hazardous chemical storage in west of the site

Drawing Title	Figure B4: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B4A
Date	July 2008
File Location	\\nt-Inss\well\projects\en6400s\en6484\graphics\ds\issued figures



Plate 17: Plant storage to east of the site



Plate 18: Stockpiled aggregates and process lake to west of the site



Plate 19: Remains of former sewage works to north of the site



Plate 20: Recycled tyre stockpiles stored to far northwest of the site

Drawing Title	Figure B5: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B5A
Date	July 2008
File Location	\\nt-Inss\well\projects\en6400s\en6484\graphics\ds\issued figures



Plate 21: National Grid Major Sub-Station, near site



Plate 22: Storage and plant maintenance area to north and northwest of site



Plate 23: Stockpiling of materials and earthworks to south-central area of site



Plate 24: Sunken walled garden with River Trent and Golf Club beyond in north of site

Drawing Title	Figure B6: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B6A
Date	July 2008
File Location	\\nt-Inss\well\projects\en6400s\en6484\graphics\ds\issued figures



Plate 25: Substation in central area of site



Plate 26: Substation in central area of site



Plate 27: Electrical cable etc stored outside substation in central area of site



Plate 28: Unbundled pipework protruding from substation in central area of site

Drawing Title	Figure B7: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B7A
Date	July 2008
File Location	\\nt-Inss\well\projects\en6400s\en6484\graphics\ds\issued figures
 Waterman Environmental Consulting Engineers & Scientists www.waterman-group.co.uk	



Plate 29: Diesel dispensers in central area of site



Plate 30: Metals stored in site



Plate 31: Old diesel dispensers in central area of site



Plate 32: Demolished building footprint in south of site

Drawing Title	Figure B8: Site Photographs
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_B8A
Date	July 2008
File Location	\\nt-Inss\well\projects\en6400s\en6484\graphics\ds\issued figures

Appendix C

CONSULTATION INFORMATION

- o LANDMARK TECHNICAL REPORT (95 PAGES)**
- o HISTORICAL MAP EXERTS (3 PAGES)**
- o RESPONSE FROM SOUTH DERBYSHIRE DISTRICT COUNCIL
CONTAMINATED LAND OFFICER (4 PAGES)**
- o RESPONSE FROM SOUTH DERBYSHIRE DISTRICT COUNCIL PLANNING
OFFICER (2 PAGES)**
- o RESPONSE FROM SOUTH DERBYSHIRE DISTRICT COUNCIL BUILDING
CONTROL OFFICER (1 PAGE)**
- o COAL AND BRINE REPORT FROM THE COAL AUTHORITY (5 PAGES)**
- o RESPONSE FROM ENVIRONMENT AGENCY (4 PAGES)**

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

24077755_1_1

Customer Reference:

EN6484

National Grid Reference:

423000, 319780

Slice:

A

Site Area (Ha):

227.24

Search Buffer (m):

500

Site Details:

Site at 423800, 319800

Client Details:

Miss M Gwynne
Waterman Environmental Ltd
Civic House
156 Great Charles Street
Birmingham
B3 3HN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	14
Hazardous Substances	-
Geological	17
Industrial Land Use	20
Sensitive Land Use	21
Data Currency	22
Data Suppliers	26
Useful Contacts	27

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 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 the attached 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 2008. 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 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.

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.

Ove Arup Copyright Notice

The Data provided in this report 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 information and data supplied in the product are 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 the Health Protection Agency.

Report Version v31.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Agency & Hydrological				
Contaminated Land Register Entries and Notices				
Discharge Consents	pg 1	8	5	
Enforcement and Prohibition Notices				
Integrated Pollution Controls	pg 4	21		
Integrated Pollution Prevention And Control	pg 7	1		
Local Authority Integrated Pollution Prevention And Control				
Local Authority Pollution Prevention and Controls				
Local Authority Pollution Prevention and Control Enforcements				
Nearest Surface Water Feature	pg 7	Yes		
Pollution Incidents to Controlled Waters	pg 8	2	2	3
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				
Registered Radioactive Substances				
River Quality	pg 9	3		
River Quality Biology Sampling Points				
River Quality Chemistry Sampling Points				
Substantiated Pollution Incident Register	pg 9			1
Water Abstractions	pg 9		7	1 (*2)
Water Industry Act Referrals				
Groundwater Vulnerability	pg 12	Yes	n/a	n/a
Source Protection Zones	pg 12		1	
Extreme Flooding from Rivers or Sea without Defences	pg 13	Yes		n/a
Flooding from Rivers or Sea without Defences	pg 13	Yes	Yes	n/a
Areas Benefiting from Flood Defences				n/a
Flood Water Storage Areas				n/a
Flood Defences	pg 13		Yes	n/a
Waste				
BGS Recorded Landfill Sites				
Historical Landfill Sites	pg 14	1	3	
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				
Licensed Waste Management Facilities (Locations)				
Local Authority Recorded Landfill Sites	pg 15		2	1
Registered Landfill Sites	pg 15		2	1
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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				
Geological				
BGS Recorded Mineral Sites				
BGS 1:625,000 Solid Geology	pg 17	Yes	n/a	n/a
Brine Compensation Areas			n/a	n/a
Coal Mining Affected Areas	pg 17	Yes	n/a	n/a
Mining Instability	pg 17	Yes	n/a	n/a
Natural and Mining Cavities				
Potential for Collapsible Ground Stability Hazards				n/a
Potential for Compressible Ground Stability Hazards	pg 17	Yes	Yes	n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 17	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 17	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 18	Yes		n/a
Radon Potential - Radon Affected Areas			n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a
Shallow Mining Hazards				n/a
Industrial Land Use				
Contemporary Trade Directory Entries	pg 20	1		n/a
Fuel Station Entries				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Areas of Adopted Green Belt				
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 21	1		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: E.On Uk Plc Property Type: Production & Distribution Of Electricity Location: Drakelow Power Station, Nr. Burton On Trent, Staffordshire, . Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/36075/T Permit Version: 1 Effective Date: 2nd February 2005 Issued Date: 2nd February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent 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	A12NW (E)	0	1	423420 319860
1	Discharge Consents Operator: E.On Uk Plc Property Type: Production & Distribution Of Electricity Location: Drakelow Power Station, Nr. Burton On Trent, Staffordshire, . Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/36075/T Permit Version: 1 Effective Date: 2nd February 2005 Issued Date: 2nd February 2005 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent 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	A12NW (E)	0	1	423440 319870
2	Discharge Consents Operator: Eastern Electricity Plc Property Type: Production & Distribution Of Electricity Location: Newbold Gravel Pit Ash Dis. Site, Drakelow, Near Burton Upon Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/22524/T Permit Version: 1 Effective Date: 26th July 1993 Issued Date: 26th July 1993 Revocation Date: 12th January 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dunstall Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A16NE (NE)	0	1	424060 320530
2	Discharge Consents Operator: Eastern Electricity Plc Property Type: Production & Distribution Of Electricity Location: Newbold Gravel Pit Ash Dis. Site, Drakelow, Near Burton Upon Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/22524/T Permit Version: 2 Effective Date: 13th January 1994 Issued Date: 26th July 1993 Revocation Date: 13th August 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dunstall Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A16NE (NE)	0	1	424060 320530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Powergen Property Type: Undefined Or Other Location: Drakelow Power Station, Burton On Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: Ar9753 Permit Version: 1 Effective Date: 30th June 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non-Tidal) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A16NE (NE)	0	1	424060 320530
3	Discharge Consents Operator: Eastern Electricity Plc Property Type: Production & Distribution Of Electricity Location: Newbold Gravel Pit Ash Dis. Site, Drakelow, Near Burton Upon Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/22524/T Permit Version: 1 Effective Date: 26th July 1993 Issued Date: 26th July 1993 Revocation Date: 12th January 1994 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Dunstall Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A16SW (NE)	0	1	423640 320240
3	Discharge Consents Operator: Powergen Property Type: Undefined Or Other Location: Drakelow Power Station, Burton On Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: Ar9753 Permit Version: 1 Effective Date: 30th June 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Drakelow Park Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A16SW (NE)	0	1	423640 320240
4	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: 400 Ft South Of Railway In Hospital, Lane, Swadlincote, Derbyshire Authority: Environment Agency, Midlands Region Catchment Area: Uncategorised Lower Trent Reference: Dt/4934 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 1st March 2001 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non Tidal) (Trib) Status: Application refused - 1961 Rivers (Prevention of Pollution) Act Positional Accuracy: Located by supplier to within 10m	A11SE (SE)	0	1	423280 319460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: National Grid Plc Property Type: Production & Distribution Of Electricity Location: National Grid Plc National Grid House, Warwick Technology Park, Gallows Hill, Warwick, Cv34 6da Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Dove Reference: T/24/36369/T Permit Version: 1 Effective Date: 1st January 2007 Issued Date: 1st January 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Trent 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	A12NW (E)	1	1	423480 319750
5	Discharge Consents Operator: National Grid Plc Property Type: Trade (Unknown/Other) Location: Drakelow Substation Drakelow Lane, Burton On Trent, Staffordshire, De15 9t2, De15 9t2 Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Dove Reference: T/24/36366/T Permit Version: 1 Effective Date: 31st December 2006 Issued Date: 31st December 2006 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: The River Trent 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	A12NW (E)	1	1	423480 319750
6	Discharge Consents Operator: Eastern Electricity Plc Property Type: Production & Distribution Of Electricity Location: Newbold Gravel Pit Ash Dis. Site, Drakelow, Near Burton Upon Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/22524/T Permit Version: 1 Effective Date: 26th July 1993 Issued Date: 26th July 1993 Revocation Date: 12th January 1994 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Dunstall Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A15NE (N)	72	1	423260 320420
6	Discharge Consents Operator: Powergen Property Type: Undefined Or Other Location: Drakelow Power Station, Burton On Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: Ar9753 Permit Version: 1 Effective Date: 30th June 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: Ash Lagoons Bk(Drakelow) Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A15NE (N)	72	1	423260 320420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: G H Hamshaw Property Type: Not Given Location: Club House, Branston Golf Club, Burton Road, BURTON UPON TRENT, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: WQ/72/403/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 17th March 1976 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Groundwater Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NE)	250	1	423600 320500
8	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Burton-On-Trent, Staffordshire, De15 9tz Authority: Environment Agency, Midlands Region Permit Reference: BT3153 Dated: 27th September 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Application has been authorised and any conditions apply to the operatorAuthorised Positional Accuracy: Manually positioned to the address or location	A11SE (E)	0	1	423310 319670
8	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Burton-On-Trent, Staffordshire, De15 9tz Authority: Environment Agency, Midlands Region Permit Reference: Bt2505 Dated: 9th September 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (E)	0	1	423308 319667
8	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Burton-On-Trent, Staffordshire, De15 9tz Authority: Environment Agency, Midlands Region Permit Reference: Bt2416 Dated: 4th September 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (E)	0	1	423308 319667
9	Integrated Pollution Controls Name: E.On Uk Plc Location: Generating Station, Drakelow, Burton-On-Trent, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: Bq4068 Dated: 15th March 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (E)	0	1	423992 319507
9	Integrated Pollution Controls Name: E.On Uk Plc Location: Generating Station, Drakelow, Burton-On-Trent, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: Bm6891 Dated: 28th December 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (E)	0	1	423992 319507

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Burton-On-Trent, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: BI1754 Dated: 5th July 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (E)	0	1	423992 319507
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: BI4616 Dated: 5th February 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Unknown	A11SE (SE)	0	1	423210 319617
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: BH0267 Dated: 26th January 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423215 319607
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: BC1274 Dated: 2nd November 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423210 319607
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: BE2735 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423205 319607
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: BA4159 Dated: 8th April 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423205 319612

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AX6338 Dated: 10th January 1997 Process Type: IPC major (substantial) variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423205 319617
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AW0717 Dated: 13th August 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423210 319622
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AV4997 Dated: 27th June 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423205 319622
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AS5644 Dated: 8th March 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423215 319612
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AR9753 Dated: 23rd June 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423210 319612
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AQ2320 Dated: 27th March 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423210 319617

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AN7490 Dated: 14th July 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423215 319622
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: AA2925 Dated: 8th April 1993 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423215 319617
10	Integrated Pollution Controls Name: E.On Uk Plc Location: Drakelow B Power Station, Burton-On-Trent, Staffordshire, De15 9tz Authority: Environment Agency, Midlands Region Permit Reference: Bv0651 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423207 319624
11	Integrated Pollution Controls Name: Txu Europe Merchant Generation Ltd Location: Drakelow B Power Station, Burton-On-Trent, Staffordshire, De15 9tz Authority: Environment Agency, Midlands Region Permit Reference: Bt8490 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised Positional Accuracy: Manually positioned to the address or location	A11SE (SE)	0	1	423260 319582
12	Integrated Pollution Prevention And Control Name: E.On Uk Ltd Location: Drakelow Power Station, Drakelow, Burton-on-Trent, Staffordshire, DE15 9TZ Authority: Environment Agency, Midlands Region Permit Reference: LP3132UY Original Permit Ref: Lp3132uy Effective Date: Not Supplied Status: Valid Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y	A12SE (E)	0	1	423756 319605
	Nearest Surface Water Feature	A12NW (NE)	0	-	423401 320000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Pollution Incidents to Controlled Waters Property Type: Power Generation/Distribution Location: Drakelow Power Station, BURTON ON TRENT Authority: Environment Agency, Midlands Region Pollutant: Other Chemicals Note: Trent; Milky White Substance Coming From Outfall Incident Date: 7th May 1999 Incident Reference: 2705756 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16SE (NE)	0	1	423730 320250
14	Pollution Incidents to Controlled Waters Property Type: Power Generation/Distribution Location: Drakelow Power Station, DRAKELOW Authority: Environment Agency, Midlands Region Pollutant: Oils - Other Oil Note: Amenity Affected; Oil Spillage Incident Date: 17th December 1998 Incident Reference: 2705140 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16SE (NE)	0	1	423750 320200
15	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Branston Golf Club 13Th Tee, Burton-on-trent Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Trent; Diesel Entering River; Amenity Effected Incident Date: 1st July 1997 Incident Reference: 2001838 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16SE (NE)	11	1	423900 320400
16	Pollution Incidents to Controlled Waters Property Type: Power Generation/Distribution Location: Power Station, DRAKELOW Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Oil To Watercourse From Power Station; No Adverse Effects Incident Date: 2nd April 1998 Incident Reference: 2704200 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (S)	100	1	423000 319000
17	Pollution Incidents to Controlled Waters Property Type: Arable Location: Grid Ref Sk 2322 1870, WALTON-ON-TRENT Authority: Environment Agency, Midlands Region Pollutant: Oils - Gas Oil Note: Other Adverse Effects; Tributary Of Trent; Diesel Spill After Vandalism Of Pumps Incident Date: 2nd August 1996 Incident Reference: 2701220 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (S)	340	1	423300 318800
17	Pollution Incidents to Controlled Waters Property Type: Arable Location: Drakelow Walton Road, Grove Lodge Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Amenity Affected; Trent Tributary; Diesel From Pump Incident Date: 5th August 1996 Incident Reference: 2700196 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Pond/Lake Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (S)	345	1	423300 318795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Hole 13 (Rear), Branston Golf Club, BURTON ON TRENT Authority: Environment Agency, Midlands Region Pollutant: Oils - Other Fuel Oil Note: Trent; Kerosene Discharge To River Trent; Amenity Effected Incident Date: 2nd July 1997 Incident Reference: 2001656 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16NW (NE)	348	1	423600 320600
	River Quality Name: Darklands Bk GQA Grade: River Quality C Reach: Stanton Stw To Conf R.Trent Estimated Distance (km): 4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A16NE (NE)	0	1	423956 320446
	River Quality Name: Trent R GQA Grade: River Quality C Reach: Conf. Darklands Bk To Claymills Stw Estimated Distance (km): 7 Flow Rate: Flow less than 40 cumecs Flow Type: River Year: 2000	A16NE (NE)	0	1	423956 320446
	River Quality Name: Trent R GQA Grade: River Quality C Reach: Conf. R. Tame To Conf. Darklands Bk Estimated Distance (km): 11 Flow Rate: Flow less than 40 cumecs Flow Type: River Year: 2000	A15SE (NE)	0	1	423267 320237
19	Substantiated Pollution Incident Register Authority: Environment Agency - Midlands Region, Lower Trent Area Incident Date: 2nd November 2001 Incident Reference: 41173 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert Materials And Wastes: Soils And Clay	A7SE (S)	355	1	423280 318780
20	Water Abstractions Operator: E.On Uk Plc Licence Number: 03/28/24/0108 Permit Version: 102 Location: Drakelow Power Station - River Trent Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Drakelow Power Station, Drakelow Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	7	1	422390 320100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Water Abstractions Operator: E On Uk Plc Licence Number: 03/28/24/0108 Permit Version: 103 Location: Drakelow Power Station - River Trent Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Drakelow Power Station, Drakelow Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	7	1	422390 320100
20	Water Abstractions Operator: Txu Europe Merchant Generation Ltd Licence Number: 03/28/24/0108 Permit Version: 101 Location: Drakelow Power Station - River Trent Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Drakelow Power Station, Drakelow Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	7	1	422390 320100
20	Water Abstractions Operator: Eastern Merchant Generation Ltd Licence Number: 03/28/24/0108 Permit Version: 100 Location: Drakelow Power Station - River Trent Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Drakelow Power Station, Drakelow Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 24th December 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (NW)	7	1	422390 320100
20	Water Abstractions Operator: Powergen Licence Number: 03/28/24/0054 /1 Permit Version: Not Supplied Location: Drakelow Power Station Authority: Environment Agency, Midlands Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 872832 Yearly Rate (m3): 25000000 Details: River Trent 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	A14SE (NW)	8	1	422390 320090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Water Abstractions Operator: Branston Golf Club Ltd Licence Number: 03/28/24/0104 Permit Version: 100 Location: River Trent Authority: Environment Agency, Midlands Region Abstraction: Golf Courses: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Branston Golf Club Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (NE)	51	1	423300 320390
22	Water Abstractions Operator: Branston Golf Club Ltd Licence Number: 03/28/24/0100 /1 Permit Version: Not Supplied Location: Branston Golf Course Authority: Environment Agency, Midlands Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 80 Yearly Rate (m3): 8000 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	A15NE (N)	90	1	423250 320440
23	Water Abstractions Operator: J H & C J N Williams Licence Number: 03/28/24/0101 Permit Version: 100 Location: River Trent - Unnamed Tributary At Walton Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barr Hall Farm, Walton-On-Trent Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 28th January 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NE (S)	423	1	423230 318700
	Water Abstractions Operator: Marley Eternit Limited Licence Number: 03/28/24/0107/1 Permit Version: 2 Location: Marley Building Materials, Branston - Well Authority: Environment Agency, Midlands Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lands At Branston, Burton On Trent Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th July 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	915	1	421420 320280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Marley Building Materials Limited Licence Number: 03/28/24/0117 Permit Version: 1 Location: Marley Building Materials, Branston - Well Authority: Environment Agency, Midlands Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Marley Building Materials, Branston - Well Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	915	1	421420 320280
	Groundwater Vulnerability Geological: Inland water or sea Classification: Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	A15SE (N)	0	1	423077 320131
	Groundwater Vulnerability Geological: Inland water or sea Classification: Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	A15SW (N)	0	1	422926 320338
	Groundwater Vulnerability Geological: Inland water or sea Classification: Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	A14SE (NW)	0	1	422664 320315
	Groundwater Vulnerability Geological: Non Aquifer (Negligibly permeable) - Formations which are generally regarded as containing insignificant quantities of groundwater. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants Classification: Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	A7NE (SE)	0	1	423273 319310
	Groundwater Vulnerability Geological: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Classification: Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	A15SE (N)	0	1	423077 320131
	Groundwater Vulnerability Geological: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Classification: 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 23 Leicestershire Scale: 1:100,000	A15SE (NE)	0	1	423297 320298
	Drift Deposits None				
24	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A15NW (N)	69	1	422783 320720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A7NW (S)	0	1	422960 319170
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A11NW (N)	0	1	423000 319820
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A11SW (SW)	0	1	422755 319515
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A11SW (SW)	0	1	422829 319525
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A14NW (NW)	171	1	422175 320511
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: 0330831200102R03	A14NW (NW)	156	1	422181 320493

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Historical Landfill Sites Licence Holder: Not Supplied Location: Branston Name: Gravel Pit Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD35278 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Liquid Sludge Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: EAST STAFFORDSHIRE 33	A11NW (NW)	0	1	422896 319973
26	Historical Landfill Sites Licence Holder: Powergen Plc Location: Newbold Farm, Branston, Staffordshire Name: Branston Ash Lagoon No.4 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD18134 First Input Date: 1st January 1960 Last Input Date: 31st December 1997 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 5/E/77/0132, WDL/C07, 9999/9749	A10SW (W)	37	1	422352 319726
27	Historical Landfill Sites Licence Holder: Central Electricity Generating Board Location: Branston, Near Burton on Trent, Staffordshire Name: Branston Ash Lagoon No.2 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD18136 First Input Date: 31st December 1977 Last Input Date: 31st December 1989 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C06, 5/E/77/0134, 9999/9747	A14NW (NW)	187	1	422202 320573
28	Historical Landfill Sites Licence Holder: The Marley Tile Company Location: Lichfield Road, Branston, Burton on Trent, Staffordshire Name: Disused Gravel Workings Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD18135 First Input Date: 31st December 1960 Last Input Date: 31st December 1968 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: EAST STAFFORDSHIRE 30, WDL/M07, 9999/9508	A14NW (NW)	192	1	422103 320443
	Local Authority Landfill Coverage Name: South Derbyshire District Council - Has no landfill data to supply		0	8	422371 319726
	Local Authority Landfill Coverage Name: Derbyshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	422371 319726
	Local Authority Landfill Coverage Name: Staffordshire County Council - Has supplied landfill data		15	2	422371 319726
	Local Authority Landfill Coverage Name: East Staffordshire District Council - Has supplied landfill data		15	3	422371 319726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Local Authority Recorded Landfill Sites Location: Disused Gravel Working, Branston Reference: 30 Authority: Staffordshire County Council, Waste Management Last Reported Status: Unknown Types of Waste: Boiler Ash Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A14NW (NW)	192	2	422111 320454
30	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 5/E/77/0134 (C6) Authority: East Staffordshire Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Pulverised Fuel Ash, Excavated Material Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A14NW (NW)	196	3	422184 320568
31	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 5/E/77/0132 (C7) Authority: East Staffordshire Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Pulverised Fuel Ash, Logging Material, Excavated Material Date of Closure: Not Supplied Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Applicable	A10NW (W)	288	3	422100 320000
32	Registered Landfill Sites Licence Holder: Powergen Licence Reference: 5/E/77/0132 (C 7) Site Location: Branston Ash Lagoon No.4, Burton Upon Trent, Staffordshire Licence Easting: 422000 Licence Northing: 320500 Operator Location: Haslucks Green Road, Shirley, SOLIHULL, West Midlands, B90 4PD Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill - with lagoon Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: Some restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 15th April 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavated Natural Materials \$ Lagging Pulverised Fuel Ash Prohibited Waste: Liquid Wastes Notifiable Wastes	A14SW (NW)	88	1	422202 320353
33	Registered Landfill Sites Licence Holder: C.E.G.B. Licence Reference: 5/E/77/0134 (C 6) Site Location: No.2 Ash Lagoon, Branston, Burton Upon Trent, Staffordshire Licence Easting: 422000 Licence Northing: 320800 Operator Location: 53 Wake Green Road, Moseley, BIRMINGHAM, West Midlands, B13 9HY Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill - with lagoon Max Input Rate: Undefined Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Accuracy: Not Applicable Authorised Waste: Inert Waste Old Licence - Wastes Not To Hand	A14NW (NW)	241	1	422174 320620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Registered Landfill Sites Licence Holder: The Marley Tile Co Ltd Licence Reference: 5/E/77/0103 (M 7) Site Location: Lichfield Road, Branston, Burton Upon Trent, Staffordshire Licence Easting: 421800 Licence Northing: 320900 Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 22nd August 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Accuracy: Not Applicable Authorised Waste: Concrete Waste Empty Used Containers Excavated Natural Materials \$ Prohibited Waste: Notifiable Wastes	A13NE (NW)	454	1	421980 320726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic mudstones (including Keuper Marl, Dolomitic Conglomerate and Rhaetic)	(SE)	0	4	425343 318743
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A11NW (N)	0	5	422999 320000
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11SW (S)	0	-	423000 319500
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	4	423550 320000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	4	422475 319550
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12NW (NE)	0	4	423475 319975
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	422999 320175
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A7SE (S)	51	4	423075 319050
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	242	4	423225 320600
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	4	423600 320225
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7NW (S)	25	4	423000 319075
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	422999 320175
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	4	423550 320000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	4	422475 319550
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NW (NE)	0	4	423475 319975
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NE (S)	0	4	423075 319125
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NW (S)	25	4	422999 319075
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7SE (S)	51	4	423075 319050
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7SW (S)	202	4	422925 318900
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	242	4	423225 320600
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	4	423200 320000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	4	422950 319825
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	4	422950 319825
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	4	423975 319950
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7NE (SE)	0	4	423300 319350
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	4	423750 320175
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	242	4	423225 320600
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	422999 320000
	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	A11NW (N)	0	4	422999 320000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A11NW (N)	0	4	422999 320000
	Shallow Mining Hazards No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Contemporary Trade Directory Entries Name: Powergen Location: Generating Station, Drakelow, Burton-on-Trent, Staffordshire, DE15 9TZ Classification: Electricity Companies Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (E)	0	-	423992 319507

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	(E)	0	6	425000 319776

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	June 2007 March 2007	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	October 2007	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	January 2008	As notified
Integrated Pollution Controls Environment Agency - Midlands Region	October 2007	Quarterly
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	October 2007	Quarterly
Local Authority Integrated Pollution Prevention And Control East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	October 2007	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	January 2008	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	January 2008	As notified
Registered Radioactive Substances Environment Agency - Midlands Region	October 2007	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	September 2007	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	October 2006	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	October 2007	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2007	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Source Protection Zones Environment Agency - Head Office	April 2005	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	October 2007	Quarterly
Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	As notified As notified
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	October 2007	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Local Authority Landfill Coverage Derbyshire County Council East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council Staffordshire County Council - Waste Management	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites East Staffordshire Borough Council - Environmental Health Department Derbyshire County Council South Derbyshire District Council Staffordshire County Council - Waste Management	March 2004 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	October 2007	Bi-Annually
Explosive Sites Health and Safety Executive	August 2007	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2007	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Areas Cheshire Brine Subsidence Compensation Board	November 2002	As notified
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2007	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	Annually
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	August 2007	Quarterly
Fuel Station Entries Catalist Ltd - (Fuel Station Data)	December 2007	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	March 1999 May 1998	As notified As notified
Areas of Unadopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	August 2004 January 2003	As notified As notified
Areas of Outstanding Natural Beauty Natural England (formerly The Countryside Agency)	November 2006	Annually
Environmentally Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2006	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves East Staffordshire Borough Council South Derbyshire District Council	January 2000 September 1999	Variable Variable
Marine Nature Reserves Natural England	October 2007	Bi-Annually
National Nature Reserves Natural England	October 2007	Bi-Annually
National Parks Natural England (formerly The Countryside Agency)	October 2006	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	May 2007	Annually
Ramsar Sites Natural England	October 2007	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2007	Bi-Annually
Special Areas of Conservation Natural England	October 2007	Bi-Annually
Special Protection Areas Natural England	October 2007	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	 Ordnance Survey Licensed Partner
Environment Agency	 Environment Agency
Scottish Environment Protection Agency	 SEPA Scottish Environment Protection Agency
The Coal Authority	 THE COAL AUTHORITY
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 CEH Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	 SCOTTISH NATURAL HERITAGE
Natural England	 NATURAL ENGLAND
Health Protection Agency	 Health Protection Agency
Ove Arup	 ARUP
Peter Brett Associates	 pba

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Staffordshire County Council - Waste Management Departmental Headquarters, Greenhall, Lichfield Road, Stafford, Staffordshire, ST17 4LA	Telephone: 01785 223121 Website: www.staffordshire.gov.uk
3	East Staffordshire Borough Council - Environmental Health Department Midland Grain Warehouse, Derby Street, Burton Upon Trent, Staffordshire, DE14 2JJ	Telephone: 01283 508848 Fax: 01283 508388 Website: www.eaststaffsbc.gov.uk
4	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
7	Derbyshire County Council County Offices, Matlock, Derbyshire, DE4 3AG	Telephone: 01629 580000 Fax: 01629 580119 Website: www.derbyshire.gov.uk
8	South Derbyshire District Council Civic Offices, Civic Way, Swadlincote, Derbyshire, DE11 0AH	Telephone: 01283 221000 Fax: 01283 550128 Website: www.south-derbys.gov.uk
-	Health Protection Agency Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 831600 Fax: 01235 833891 Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

24077755_1_1

Customer Reference:

EN6484

National Grid Reference:

424710, 320110

Slice:

B

Site Area (Ha):

227.24

Search Buffer (m):

500

Site Details:

Site at 423800, 319800

Client Details:

Miss M Gwynne
Waterman Environmental Ltd
Civic House
156 Great Charles Street
Birmingham
B3 3HN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	8
Hazardous Substances	-
Geological	9
Industrial Land Use	12
Sensitive Land Use	13
Data Currency	14
Data Suppliers	18
Useful Contacts	19

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 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 the attached 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 2008. 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 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.

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.

Ove Arup Copyright Notice

The Data provided in this report 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 information and data supplied in the product are 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 the Health Protection Agency.

Report Version v31.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Agency & Hydrological				
Contaminated Land Register Entries and Notices				
Discharge Consents	pg 1	2		4
Enforcement and Prohibition Notices				
Integrated Pollution Controls				
Integrated Pollution Prevention And Control	pg 2	1		
Local Authority Integrated Pollution Prevention And Control				
Local Authority Pollution Prevention and Controls	pg 2	2		
Local Authority Pollution Prevention and Control Enforcements				
Nearest Surface Water Feature	pg 2	Yes		
Pollution Incidents to Controlled Waters				
Prosecutions Relating to Authorised Processes	pg 3		1	
Prosecutions Relating to Controlled Waters				
Registered Radioactive Substances				
River Quality	pg 3	2		
River Quality Biology Sampling Points	pg 3		1	
River Quality Chemistry Sampling Points	pg 4		1	
Substantiated Pollution Incident Register				
Water Abstractions	pg 4	2		1 (*5)
Water Industry Act Referrals				
Groundwater Vulnerability	pg 6	Yes	n/a	n/a
Source Protection Zones	pg 7		1	
Extreme Flooding from Rivers or Sea without Defences	pg 7	Yes		n/a
Flooding from Rivers or Sea without Defences	pg 7	Yes		n/a
Areas Benefiting from Flood Defences				n/a
Flood Water Storage Areas				n/a
Flood Defences				n/a
Waste				
BGS Recorded Landfill Sites				
Historical Landfill Sites				
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				
Licensed Waste Management Facilities (Locations)	pg 8	2		
Local Authority Recorded Landfill Sites				
Registered Landfill Sites				
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites	pg 8	1		

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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				
Geological				
BGS Recorded Mineral Sites				
BGS 1:625,000 Solid Geology	pg 9	Yes	n/a	n/a
Brine Compensation Areas			n/a	n/a
Coal Mining Affected Areas	pg 9	Yes	n/a	n/a
Mining Instability	pg 9	Yes	n/a	n/a
Natural and Mining Cavities				
Potential for Collapsible Ground Stability Hazards				n/a
Potential for Compressible Ground Stability Hazards	pg 9	Yes	Yes	n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 9	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 9	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10	Yes		n/a
Radon Potential - Radon Affected Areas			n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a
Shallow Mining Hazards				n/a
Industrial Land Use				
Contemporary Trade Directory Entries	pg 12	1		n/a
Fuel Station Entries				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Areas of Adopted Green Belt	pg 13		1	
Areas of Unadopted Green Belt	pg 13		1	
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 13	2		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Roger Bullivant Limited Property Type: General Construction Work Location: Roger Bullivant Limited Walton Road, Drakelow, Burton Upon Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/35470/S Permit Version: 1 Effective Date: 8th September 2000 Issued Date: 8th September 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The Darklands 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	B13SE (W)	0	1	424460 320170
1	Discharge Consents Operator: Roger Bullivant Limited Property Type: Sewage Disposal Works - Other Location: R B Drakelow, Burton Upon Trent, Staffs, Staffordshire, De15 9ua Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/20948/S Permit Version: 1 Effective Date: 19th December 1991 Issued Date: 19th December 1991 Revocation Date: 7th September 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Darklands Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	B13SE (W)	0	1	424460 320170
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Drakelow Stw, Drakelow Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/12049/R Permit Version: 1 Effective Date: 5th February 1988 Issued Date: 5th February 1988 Revocation Date: 13th September 2001 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Darklands Brook Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	B10NW (S)	279	1	424760 319900
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Drakelow Stw, Drakelow Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/35588/R Permit Version: 1 Effective Date: 14th September 2001 Issued Date: 14th September 2001 Revocation Date: 30th December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Darklands 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	B10NW (S)	293	1	424770 319890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Drakelow Stw, Drakelow Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/35588/R Permit Version: 2 Effective Date: 31st December 2005 Issued Date: 14th September 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Darklands 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	B10NW (S)	293	1	424770 319890
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Drakelow Stw, Drakelow Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/35588/R Permit Version: 2 Effective Date: 31st December 2005 Issued Date: 14th September 2001 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Crude Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Darklands 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	B10NW (S)	293	1	424770 319890
3	Integrated Pollution Prevention And Control Name: Roger Bullivant Ltd Location: Drakelow Landfill Site, Drakelow Power Station, Walton Road,,Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9UA Authority: Environment Agency, Midlands Region Permit Reference: Lp3535st Original Permit Ref: Lp3535st Effective Date: Not Supplied Status: Valid Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	B13SE (N)	0	1	424732 320246
4	Local Authority Pollution Prevention and Controls Name: Roger Bullivant Ltd Location: Walton Road, Drakelow, BURTON-ON-TRENT, Staffordshir Authority: South Derbyshire District Council, Environmental Health Department Permit Reference: Ppc/B/04/15 Dated: 21st July 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location	B13SE (N)	0	2	424666 320348
5	Local Authority Pollution Prevention and Controls Name: Roger Bullivant Ltd Location: Walton Road, DRAKELOW, DE15 9UA Authority: South Derbyshire District Council, Environmental Health Department Permit Reference: Ppc/B/03/01 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	B13SE (N)	0	2	424731 320247
	Nearest Surface Water Feature	B13NE (N)	0	-	424539 320691

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Prosecutions Relating to Authorised Processes Location: Near Walton Fc, Catton Road, Burton Upon Trent, De13 Prosecution Text: Tipping waste on land without a WML Prosecution Act: Epa90 S33 Hearing Date: 5th April 2005 Verdict: Guilty Fine: 500 Costs: 250 Positional Accuracy: Manually positioned within the geographical locality	B14SE (NE)	14	1	425136 320325
	River Quality Name: Darklands Bk GQA Grade: River Quality C Reach: Stanton Stw To Conf R.Trent Estimated Distance (km): 4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	B9NE (SW)	0	1	424561 319894
	River Quality Name: Trent R GQA Grade: River Quality C Reach: Conf. Darklands Bk To Claymills Stw Estimated Distance (km): 7 Flow Rate: Flow less than 40 cumecs Flow Type: River Year: 2000	B13NW (NW)	0	1	424136 320676
7	River Quality Biology Sampling Points Name: Trent Reach: Confluence Darklands Bk To Claymills Sewage Treatment Works Estimated Distance: 7.00 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	B13NW (NW)	1	1	424070 320560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	River Quality Chemistry Sampling Points Name: Darklands Bk Reach: Stanton Stw To Confluence Rtrrent Estimated Distance: 4.00 Objective: River Ecosystem Class 4: Fair Quality Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Marginal Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Compliant Year: 1995 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant Year: 1996 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Compliant Year: 2002 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Compliant Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Compliant Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Compliant	B13SE (W)	7	1	424600 320120
9	Water Abstractions Operator: Roger Bullivant Limited Licence Number: 03/28/24/0116 Permit Version: 1 Location: Roger Bullivant Limited, Drakelow - Darklands Brook Authority: Environment Agency, Midlands Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Roger Bullivant Limited - Darklands Brook Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th August 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B13SW (W)	0	1	424360 320180
10	Water Abstractions Operator: Roger Bullivant Limited Licence Number: 03/28/24/0116 Permit Version: 1 Location: Roger Bullivant Limited, Drakelow - Darklands Brook Authority: Environment Agency, Midlands Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Roger Bullivant Limited - Darklands Brook Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th August 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B13SE (W)	0	1	424450 320180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Water Abstractions Operator: Mallaber Partners Licence Number: 03/28/24/0068 Permit Version: 100 Location: Drakelow Mill Brook - Point C Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barn Farm, Drakelow Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 8th July 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B9NE (S)	322	1	424700 319800
	Water Abstractions Operator: Mallaber Partners Licence Number: 03/28/24/0068 Permit Version: 100 Location: Drakelow Mill Brook - Point B Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barn Farm, Drakelow Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 8th July 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B10SW (S)	543	1	424800 319600
	Water Abstractions Operator: Mountford Partners Licence Number: 03/28/24/0059/S Permit Version: 100 Location: Royle Farm, Drakelow - Darklands Brook (A) Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Royle Farm, Drakelow - Darklands Brook Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 18th June 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B10SW (S)	543	1	424800 319600
	Water Abstractions Operator: Mallaber Partners Licence Number: 03/28/24/0068 Permit Version: 100 Location: Drakelow Mill Brook - Point A Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barn Farm, Drakelow Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 8th July 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B10SW (S)	628	1	424800 319500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D W Allen Licence Number: 03/28/24/0102 /1 Permit Version: Not Supplied Location: Land At Drakelow Authority: Environment Agency, Midlands Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 182 Yearly Rate (m3): 2727 Details: JText]; 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	B10SW (S)	765	1	424900 319400
	Water Abstractions Operator: G, D H & L E Mycock Licence Number: 03/28/24/0052 Permit Version: 100 Location: Unnamed Tributary Of River Trent At Flint Mill Farm Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Flint Mill Farm - Tributary Of River Trent Authorised Start: 01 February Authorised End: 31 October Permit Start Date: 28th April 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B6NW (S)	887	1	424970 319300
	Groundwater Vulnerability Geological Classification: Inland water or sea Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	(W)	0	1	423381 320180
	Groundwater Vulnerability Geological Classification: Non Aquifer (Negligibly permeable) - Formations which are generally regarded as containing insignificant quantities of groundwater. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	B10NW (S)	0	1	424754 319858
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	(W)	0	1	423822 320318
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers 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 23 Leicestershire Scale: 1:100,000	B13NW (NW)	0	1	424243 320473
	Drift Deposits None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	(N)	69	1	424480 321107
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	B13SE (E)	0	1	424735 320106
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	B13NW (NW)	0	1	424244 320534
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	B13SE (E)	0	1	424725 320100
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Licensed Waste Management Facilities (Locations) Licence Number: 40221 Location: Drakelow, Walton Road, Burton On Trent, Staffordshire, DE15 9UA Operator Name: Sapphire Energy Recovery Ltd Operator Location: Yelsway Lane, Waterhouses, Stoke On Trent, Staffs, ST10 3AZ Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Issued Issued: 9th November 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	B13SE (N)	0	1	424732 320246
13	Licensed Waste Management Facilities (Locations) Licence Number: 40045 Location: Walton Road, Drakelow, Burton Upon Trent, Staffordshire, DE15 9UA Operator Name: Roger Bullivant Ltd Operator Location: Head Office, Walton Road, Drakelow, Burton Upon Trent, Staffs, DE15 9UA Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Mobile Plant Licence Status: Modified Issued: 19th April 2001 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	B13SE (N)	0	1	424738 320288
	Local Authority Landfill Coverage Name: South Derbyshire District Council - Has no landfill data to supply		0	6	425074 320492
	Local Authority Landfill Coverage Name: Derbyshire County Council - Had landfill data but passed it to the relevant environment agency		0	8	425074 320492
	Local Authority Landfill Coverage Name: Staffordshire County Council - Has supplied landfill data		15	9	425074 320492
	Local Authority Landfill Coverage Name: East Staffordshire District Council - Has supplied landfill data		15	10	425074 320492
14	Registered Waste Treatment or Disposal Sites Licence Holder: Roger Bullivant Ltd Licence Reference: 40045 Site Location: Walton Road, Drakelow, Burton Upon Trent, Staffordshire, De15 9ua Operator Location: Walton Road, Drakelow, Burton Upon Trent, Staffordshire, De15 9ua Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Mobile Plant 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: Site not yet started Dated: 19th April 2001 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Maximum Waste Permitted New Licence, Wastes Not To Hand Ukw 24.01.00 Contam.Gen - Contaminated Soil/Subsoil/Etc	B13SE (N)	0	1	424730 320280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic mudstones (including Keuper Marl, Dolomitic Conglomerate and Rhaetic)	B7NW (SE)	0	3	425604 319335
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	(W)	0	4	424000 320106
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	B9NE (S)	0	-	424709 320000
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SE (S)	0	3	424700 320075
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	3	424650 320050
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424700 320000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B13SE (S)	0	3	424700 320075
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	163	3	424709 320000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10NW (SE)	207	3	424775 320000
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424709 320000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B14SW (E)	0	3	425000 320106
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424709 320000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B14NW (NE)	17	3	425075 320475
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B14NE (NE)	17	3	425100 320450
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B13SE (S)	0	3	424700 320075
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13SE (E)	0	3	424725 320106
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	3	424650 320050
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B14SW (E)	0	3	424975 320100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424700 320000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SE (E)	0	3	424725 320106
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	163	3	424709 320000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10NW (SE)	207	3	424775 320000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	215	3	424650 319575
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NW (SE)	248	3	424950 320000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424709 320000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SW (NW)	0	3	424350 320300
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SE (W)	0	3	424500 320175
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424709 320000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	3	424550 320000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9SW (SW)	0	3	424275 319500
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B14SE (E)	0	3	425125 320106
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	3	424575 320050
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424709 320000
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	3	424709 320000
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B14SW (E)	0	3	425000 320106
	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	B9NE (S)	0	3	424709 320000
	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	B9NE (S)	0	3	424709 320000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	B14SW (E)	0	3	425000 320106
	Shallow Mining Hazards No Hazard				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Contemporary Trade Directory Entries Name: Roger Bullivant Ltd Location: Walton Road, Drakelow, BURTON-ON-TRENT, Staffordshire, DE15 9UA Classification: Pile Driving Status: Active Positional Accuracy: Automatically positioned to the address	B13SE (N)	0	-	424732 320246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Areas of Adopted Green Belt Authority: South Derbyshire District Council Plan Name: South Derbyshire Local Plan Status: Adopted Plan Date: 31st May 1998	B14SE (E)	132	6	425255 320305
17	Areas of Unadopted Green Belt Authority: South Derbyshire District Council Plan Name: South Derbyshire Local Plan Status: Revised Deposit Draft Plan Date: 31st January 2003	B14SE (E)	121	6	425238 320290
18	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B14SW (E)	0	7	425000 320106
19	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B14SW (E)	0	7	425000 320106

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	June 2007 March 2007	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	October 2007	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	January 2008	As notified
Integrated Pollution Controls Environment Agency - Midlands Region	October 2007	Quarterly
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	October 2007	Quarterly
Local Authority Integrated Pollution Prevention And Control East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	October 2007	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	January 2008	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	January 2008	As notified
Registered Radioactive Substances Environment Agency - Midlands Region	October 2007	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	September 2007	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	October 2006	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	October 2007	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2007	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Source Protection Zones Environment Agency - Head Office	April 2005	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	October 2007	Quarterly
Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	As notified As notified
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	October 2007	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Local Authority Landfill Coverage Derbyshire County Council East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council Staffordshire County Council - Waste Management	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites East Staffordshire Borough Council - Environmental Health Department Derbyshire County Council South Derbyshire District Council Staffordshire County Council - Waste Management	March 2004 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	October 2007	Bi-Annually
Explosive Sites Health and Safety Executive	August 2007	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2007	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Areas Cheshire Brine Subsidence Compensation Board	November 2002	As notified
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2007	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	Annually
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	August 2007	Quarterly
Fuel Station Entries Catalist Ltd - (Fuel Station Data)	December 2007	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	March 1999 May 1998	As notified As notified
Areas of Unadopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	August 2004 January 2003	As notified As notified
Areas of Outstanding Natural Beauty Natural England (formerly The Countryside Agency)	November 2006	Annually
Environmentally Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2006	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves East Staffordshire Borough Council South Derbyshire District Council	January 2000 September 1999	Variable Variable
Marine Nature Reserves Natural England	October 2007	Bi-Annually
National Nature Reserves Natural England	October 2007	Bi-Annually
National Parks Natural England (formerly The Countryside Agency)	October 2006	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	May 2007	Annually
Ramsar Sites Natural England	October 2007	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2007	Bi-Annually
Special Areas of Conservation Natural England	October 2007	Bi-Annually
Special Protection Areas Natural England	October 2007	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	 Ordnance Survey Licensed Partner
Environment Agency	 Environment Agency
Scottish Environment Protection Agency	 SEPA Scottish Environment Protection Agency
The Coal Authority	 THE COAL AUTHORITY
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 CEH Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	 SCOTTISH NATURAL HERITAGE
Natural England	 NATURAL ENGLAND
Health Protection Agency	 Health Protection Agency
Ove Arup	 ARUP
Peter Brett Associates	 pba

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	South Derbyshire District Council - Environmental Health Department Civic Offices, Civic Way, Swadlincote, Derbyshire, DE11 0AH	Telephone: 01283 595716 Fax: 01283 550128 Website: www.south-derbys.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
5	East Staffordshire Borough Council Town Hall, Derby Street, Burton upon Trent, Staffordshire, DE14 2JS	Telephone: 01283 508000 Fax: 01283 508388 Website: www.eaststaffsbc.gov.uk
6	South Derbyshire District Council Civic Offices, Civic Way, Swadlincote, Derbyshire, DE11 0AH	Telephone: 01283 221000 Fax: 01283 550128 Website: www.south-derbys.gov.uk
7	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	Derbyshire County Council County Offices, Matlock, Derbyshire, DE4 3AG	Telephone: 01629 580000 Fax: 01629 580119 Website: www.derbyshire.gov.uk
9	Staffordshire County Council - Waste Management Departmental Headquarters, Greenhall, Lichfield Road, Stafford, Staffordshire, ST17 4LA	Telephone: 01785 223121 Website: www.staffordshire.gov.uk
10	East Staffordshire Borough Council - Environmental Health Department Midland Grain Warehouse, Derby Street, Burton Upon Trent, Staffordshire, DE14 2JJ	Telephone: 01283 508848 Fax: 01283 508388 Website: www.eaststaffsbc.gov.uk
-	Health Protection Agency Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 831600 Fax: 01235 833891 Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

24077755_1_1

Customer Reference:

EN6484

National Grid Reference:

423190, 320870

Slice:

C

Site Area (Ha):

227.24

Search Buffer (m):

500

Site Details:

Site at 423800, 319800

Client Details:

Miss M Gwynne
Waterman Environmental Ltd
Civic House
156 Great Charles Street
Birmingham
B3 3HN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	3
Hazardous Substances	-
Geological	5
Industrial Land Use	-
Sensitive Land Use	6
Data Currency	7
Data Suppliers	11
Useful Contacts	12

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 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 the attached 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 2008. 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 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.

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.

Ove Arup Copyright Notice

The Data provided in this report 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 information and data supplied in the product are 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 the Health Protection Agency.

Report Version v31.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Agency & Hydrological				
Contaminated Land Register Entries and Notices				
Discharge Consents				
Enforcement and Prohibition Notices				
Integrated Pollution Controls				
Integrated Pollution Prevention And Control				
Local Authority Integrated Pollution Prevention And Control				
Local Authority Pollution Prevention and Controls	pg 1			1
Local Authority Pollution Prevention and Control Enforcements				
Nearest Surface Water Feature	pg 1		Yes	
Pollution Incidents to Controlled Waters	pg 1			3
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				
Registered Radioactive Substances				
River Quality	pg 1	1		
River Quality Biology Sampling Points				
River Quality Chemistry Sampling Points				
Substantiated Pollution Incident Register				
Water Abstractions				
Water Industry Act Referrals				
Groundwater Vulnerability	pg 1	Yes	n/a	n/a
Source Protection Zones	pg 2		1	
Extreme Flooding from Rivers or Sea without Defences	pg 2	Yes		n/a
Flooding from Rivers or Sea without Defences	pg 2	Yes	Yes	n/a
Areas Benefiting from Flood Defences				n/a
Flood Water Storage Areas				n/a
Flood Defences				n/a
Waste				
BGS Recorded Landfill Sites				
Historical Landfill Sites	pg 3		1	
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				
Licensed Waste Management Facilities (Locations)				
Local Authority Recorded Landfill Sites	pg 3		1	
Registered Landfill Sites	pg 3		2	1
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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				
Geological				
BGS Recorded Mineral Sites				
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a
Brine Compensation Areas			n/a	n/a
Coal Mining Affected Areas	pg 5	Yes	n/a	n/a
Mining Instability			n/a	n/a
Natural and Mining Cavities				
Potential for Collapsible Ground Stability Hazards				n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes		n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes		n/a
Potential for Running Sand Ground Stability Hazards	pg 5	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes		n/a
Radon Potential - Radon Affected Areas			n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a
Shallow Mining Hazards				n/a
Industrial Land Use				
Contemporary Trade Directory Entries				n/a
Fuel Station Entries				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Areas of Adopted Green Belt				
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 6	1		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Local Authority Pollution Prevention and Controls Name: Tarmac Toppave Ltd Location: Lichfield Road, Branston, BURTON-UPON-TRENT, Staffordshire, DE14 3HD Authority: East Staffordshire Borough Council, Environmental Health Department Permit Reference: Ppc 034-V1 Dated: 13th October 1999 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	C2SW (W)	474	1	422200 320900
	Nearest Surface Water Feature	C3SW (SW)	45	-	423000 320784
2	Pollution Incidents to Controlled Waters Property Type: Construction Location: Building Site Off A38, Fradley Prowtins Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Other Affected; Oil & Diesel From Storm Water On Site May Enter Brook Incident Date: 15th November 1998 Incident Reference: 2002767 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SW (W)	353	2	422300 320800
3	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Vicinity Drakelow Arches, STAPENHILL Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Trent; Oil (Diesel) On River; Amenity Effected Incident Date: 5th October 1997 Incident Reference: 2002431 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C4NE (E)	380	2	424000 321100
4	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: Branston Pumping Station Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Natural Note: Other Affected; Land Drain Discharging Red/Brown Liquid To Watercourse Incident Date: 9th December 1998 Incident Reference: 2705229 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SW (W)	474	2	422200 320900
	River Quality Name: Trent R GQA Grade: River Quality C Reach: Conf. R. Tame To Conf. Darklands Bk Estimated Distance (km): 11 Flow Rate: Flow less than 40 cumecs Flow Type: River Year: 2000	(SW)	0	2	422925 320717
	Groundwater Vulnerability Geological: Inland water or sea Classification: Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	(S)	0	2	423134 320318
	Groundwater Vulnerability Geological: Inland water or sea Classification: Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	(SW)	0	2	422901 320413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Geological Classification: Inland water or sea Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	(SW)	0	2	422581 320579
	Groundwater Vulnerability Geological Classification: Non Aquifer (Negligibly permeable) - Formations which are generally regarded as containing insignificant quantities of groundwater. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	(SE)	0	2	423834 320333
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	C3SE (SW)	0	2	423138 320763
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers 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 23 Leicestershire Scale: 1:100,000	C3SE (SW)	0	2	423138 320763
	Drift Deposits None				
5	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	C3SE (S)	69	2	423199 320814
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	C4SW (E)	0	2	423613 320885
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	C3SE (S)	0	2	423178 320821
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	C2NE (NW)	171	2	422689 321213
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Historical Landfill Sites Licence Holder: Central Electricity Generating Board Location: Branston, Near Burton on Trent, Staffordshire Name: Branston Ash Lagoon No.2 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD18136 First Input Date: 31st December 1977 Last Input Date: 31st December 1989 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C06, 5/E/77/0134, 9999/9747	C2SW (W)	187	2	422293 320908
	Local Authority Landfill Coverage Name: South Derbyshire District Council - Has no landfill data to supply		0	8	423077 320749
	Local Authority Landfill Coverage Name: Derbyshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	423077 320749
	Local Authority Landfill Coverage Name: Staffordshire County Council - Has supplied landfill data		15	6	423077 320749
	Local Authority Landfill Coverage Name: East Staffordshire District Council - Has supplied landfill data		15	1	423077 320749
7	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 5/E/77/0134 (C6) Authority: East Staffordshire Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Pulverised Fuel Ash, Excavated Material Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	C2SE (W)	196	1	422501 321002
8	Registered Landfill Sites Licence Holder: Powergen Licence Reference: 5/E/77/0132 (C 7) Site Location: Branston Ash Lagoon No.4, Burton Upon Trent, Staffordshire Licence Easting: 422000 Licence Northing: 320500 Operator Location: Haslucks Green Road, Shirley, SOLIHULL, West Midlands, B90 4PD Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill - with lagoon Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: Some restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 15th April 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavated Natural Materials \$ Lagging Pulverised Fuel Ash Prohibited Waste: Liquid Wastes Notifiable Wastes	(W)	88	2	422238 320577

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Registered Landfill Sites Licence Holder: C.E.G.B. Licence Reference: 5/E/77/0134 (C 6) Site Location: No.2 Ash Lagoon, Branston, Burton Upon Trent, Staffordshire Licence Easting: 422000 Licence Northing: 320800 Operator Location: 53 Wake Green Road, Moseley, BIRMINGHAM, West Midlands, B13 9HY Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill - with lagoon Max Input Rate: Undefined Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Accuracy: Not Applicable Authorised Waste: Inert Waste Old Licence - Wastes Not To Hand	C2SW (W)	241	2	422249 320817
10	Registered Landfill Sites Licence Holder: The Marley Tile Co Ltd Licence Reference: 5/E/77/0103 (M 7) Site Location: Lichfield Road, Branston, Burton Upon Trent, Staffordshire Licence Easting: 421800 Licence Northing: 320900 Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 22nd August 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Accuracy: Not Applicable Authorised Waste: Concrete Waste Empty Used Containers Excavated Natural Materials \$ Prohibited Waste: Notifiable Wastes	C2SW (W)	454	2	422050 320891

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic mudstones (including Keuper Marl, Dolomitic Conglomerate and Rhaetic)	(E)	0	3	425329 321592
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	C4SE (E)	0	4	424000 320871
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	3	423125 320775
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	242	3	423125 320775
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	3	423600 320250
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	3	423125 320775
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	242	3	423125 320775
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	3	423125 320775
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	242	3	423125 320775
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	(S)	0	3	423186 320000
	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	(S)	0	3	423186 320000
	Shallow Mining Hazards No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	(E)	0	5	425000 320871

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	June 2007 March 2007	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	October 2007	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	January 2008	As notified
Integrated Pollution Controls Environment Agency - Midlands Region	October 2007	Quarterly
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	October 2007	Quarterly
Local Authority Integrated Pollution Prevention And Control East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	October 2007	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	January 2008	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	January 2008	As notified
Registered Radioactive Substances Environment Agency - Midlands Region	October 2007	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	September 2007	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	October 2006	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	October 2007	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2007	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Source Protection Zones Environment Agency - Head Office	April 2005	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	October 2007	Quarterly
Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	As notified As notified
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	October 2007	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Local Authority Landfill Coverage Derbyshire County Council East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council Staffordshire County Council - Waste Management	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites East Staffordshire Borough Council - Environmental Health Department Derbyshire County Council South Derbyshire District Council Staffordshire County Council - Waste Management	March 2004 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	October 2007	Bi-Annually
Explosive Sites Health and Safety Executive	August 2007	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2007	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Areas Cheshire Brine Subsidence Compensation Board	November 2002	As notified
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2007	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	Annually
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	August 2007	Quarterly
Fuel Station Entries Catalist Ltd - (Fuel Station Data)	December 2007	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	March 1999 May 1998	As notified As notified
Areas of Unadopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	August 2004 January 2003	As notified As notified
Areas of Outstanding Natural Beauty Natural England (formerly The Countryside Agency)	November 2006	Annually
Environmentally Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2006	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves East Staffordshire Borough Council South Derbyshire District Council	January 2000 September 1999	Variable Variable
Marine Nature Reserves Natural England	October 2007	Bi-Annually
National Nature Reserves Natural England	October 2007	Bi-Annually
National Parks Natural England (formerly The Countryside Agency)	October 2006	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	May 2007	Annually
Ramsar Sites Natural England	October 2007	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2007	Bi-Annually
Special Areas of Conservation Natural England	October 2007	Bi-Annually
Special Protection Areas Natural England	October 2007	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	 Ordnance Survey Licensed Partner
Environment Agency	 Environment Agency
Scottish Environment Protection Agency	 SEPA Scottish Environment Protection Agency
The Coal Authority	 THE COAL AUTHORITY
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	 SCOTTISH NATURAL HERITAGE
Natural England	 NATURAL ENGLAND
Health Protection Agency	 Health Protection Agency
Ove Arup	 ARUP
Peter Brett Associates	 pba

Contact	Name and Address	Contact Details
1	East Staffordshire Borough Council - Environmental Health Department Midland Grain Warehouse, Derby Street, Burton Upon Trent, Staffordshire, DE14 2JJ	Telephone: 01283 508848 Fax: 01283 508388 Website: www.eaststaffsbc.gov.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
5	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	Staffordshire County Council - Waste Management Departmental Headquarters, Greenhall, Lichfield Road, Stafford, Staffordshire, ST17 4LA	Telephone: 01785 223121 Website: www.staffordshire.gov.uk
7	Derbyshire County Council County Offices, Matlock, Derbyshire, DE4 3AG	Telephone: 01629 580000 Fax: 01629 580119 Website: www.derbyshire.gov.uk
8	South Derbyshire District Council Civic Offices, Civic Way, Swadlincote, Derbyshire, DE11 0AH	Telephone: 01283 221000 Fax: 01283 550128 Website: www.south-derbys.gov.uk
-	Health Protection Agency Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 831600 Fax: 01235 833891 Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

24077755_1_1

Customer Reference:

EN6484

National Grid Reference:

424620, 321070

Slice:

D

Site Area (Ha):

227.24

Search Buffer (m):

500

Site Details:

Site at 423800, 319800

Client Details:

Miss M Gwynne
Waterman Environmental Ltd
Civic House
156 Great Charles Street
Birmingham
B3 3HN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	7
Hazardous Substances	-
Geological	8
Industrial Land Use	10
Sensitive Land Use	11
Data Currency	12
Data Suppliers	16
Useful Contacts	17

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 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 the attached 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 2008. 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 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.

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.

Ove Arup Copyright Notice

The Data provided in this report 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 information and data supplied in the product are 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 the Health Protection Agency.

Report Version v31.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Agency & Hydrological				
Contaminated Land Register Entries and Notices				
Discharge Consents	pg 1	5	1	1
Enforcement and Prohibition Notices				
Integrated Pollution Controls				
Integrated Pollution Prevention And Control				
Local Authority Integrated Pollution Prevention And Control				
Local Authority Pollution Prevention and Controls				
Local Authority Pollution Prevention and Control Enforcements				
Nearest Surface Water Feature	pg 2	Yes		
Pollution Incidents to Controlled Waters	pg 2		1	1
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				
Registered Radioactive Substances				
River Quality	pg 3	1		
River Quality Biology Sampling Points				
River Quality Chemistry Sampling Points				
Substantiated Pollution Incident Register				
Water Abstractions	pg 3			(*8)
Water Industry Act Referrals				
Groundwater Vulnerability	pg 5	Yes	n/a	n/a
Source Protection Zones	pg 5		1	
Extreme Flooding from Rivers or Sea without Defences	pg 5	Yes		n/a
Flooding from Rivers or Sea without Defences	pg 5	Yes	Yes	n/a
Areas Benefiting from Flood Defences				n/a
Flood Water Storage Areas				n/a
Flood Defences				n/a
Waste				
BGS Recorded Landfill Sites				
Historical Landfill Sites				
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				
Licensed Waste Management Facilities (Locations)				
Local Authority Recorded Landfill Sites				
Registered Landfill Sites				
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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				
Geological				
BGS Recorded Mineral Sites				
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a
Brine Compensation Areas			n/a	n/a
Coal Mining Affected Areas	pg 8	Yes	n/a	n/a
Mining Instability			n/a	n/a
Natural and Mining Cavities				
Potential for Collapsible Ground Stability Hazards				n/a
Potential for Compressible Ground Stability Hazards	pg 8	Yes		n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 8	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 8	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 8	Yes		n/a
Radon Potential - Radon Affected Areas			n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a
Shallow Mining Hazards				n/a
Industrial Land Use				
Contemporary Trade Directory Entries	pg 10		1	n/a
Fuel Station Entries				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Areas of Adopted Green Belt	pg 11		1	
Areas of Unadopted Green Belt	pg 11		1	
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 11	2		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Stanton Stw Off Walton Road, Stapenhill, Burton-On-Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/21476/R Permit Version: 2 Effective Date: 31st December 2000 Issued Date: 19th December 2000 Revocation Date: 24th March 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	D1SE (SW)	0	1	424450 320980
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Stanton Stw Off Walton Road, Stapenhill, Burton-On-Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/21476/R Permit Version: 2 Effective Date: 31st December 2000 Issued Date: 19th December 2000 Revocation Date: 24th March 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	D1SE (SW)	0	1	424450 320980
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Stanton Stw Off Walton Road, Stapenhill, Burton-On-Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/21476/R Permit Version: 2 Effective Date: 31st December 2000 Issued Date: 19th December 2000 Revocation Date: 24th March 2002 Discharge Type: Discharge Of Other Matter-Crude Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	D1SE (SW)	0	1	424450 320980
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Stanton Stw Off Walton Road, Stapenhill, Burton-On-Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/21476/R Permit Version: 1 Effective Date: 21st July 1992 Issued Date: 21st July 1992 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	D1SE (SW)	0	1	424450 320980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Stanton Stw Off Walton Road, Stapenhill, Burton-On-Trent, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/21476/R Permit Version: 1 Effective Date: 21st July 1992 Issued Date: 21st July 1992 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	D1SE (SW)	0	1	424450 320980
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Cornwall Road, Stapenhill, Staffordshire Authority: Environment Agency, Midlands Region Catchment Area: Upper Trent Catchment Reference: T/24/00439/O Permit Version: 1 Effective Date: 9th October 1957 Issued Date: 9th October 1957 Revocation Date: 27th March 2000 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non-Tidal) Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	D1NE (W)	60	1	424500 321100
3	Discharge Consents Operator: Severn Trent Water Limited Property Type: Not Given Location: Draining The Waterside Estate, BURTON UPON TRENT Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/24/01990/O/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 14th June 1967 Revocation Date: Not Supplied Discharge Type: Sewerage And Other Matter Discharge - Sewerage And Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non-Tidal) Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	D1NE (NE)	258	1	424700 321200
	Nearest Surface Water Feature	D1SE (S)	0	-	424560 320911
4	Pollution Incidents to Controlled Waters Property Type: Sheep Location: Waterside Road Boathouse Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Animal Carcasses Note: Trent; Dead Sheep In River; Amenity Affected Incident Date: 20th August 1995 Incident Reference: 1000152 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	D1SW (W)	47	1	424400 321000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Stapenhill Waterside Road, Burton-on-trent Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Animal Carcasses Note: Trent; Dead Dog In Bag; Amenity Affected Incident Date: 10th March 1996 Incident Reference: 2000377 Catchment Area: Trent Catchment : Trent To Confluence With Dove Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	D1NE (N)	331	1	424700 321300
	River Quality Name: Trent R GQA Grade: River Quality C Reach: Conf. Darklands Bk To Claymills Stw Estimated Distance (km): 7 Flow Rate: Flow less than 40 cumecs Flow Type: River Year: 2000	D1NE (W)	0	1	424534 321109
	Water Abstractions Operator: Coors Brewers Limited Licence Number: 03/28/24/0048 Permit Version: 101 Location: Blackpool Well Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Shobnall No 4 / Grange /Cairo Well Etc Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D5SE (N)	691	1	424700 321700
	Water Abstractions Operator: Coors Brewers Limited Licence Number: 03/28/24/0048 Permit Version: 101 Location: Blackpool Well Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: 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: Shobnall No 4 / Grange / Cairo Well Etc Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D5SE (N)	691	1	424700 321700
	Water Abstractions Operator: Bass Brewers Limited Licence Number: 03/28/24/0048 Permit Version: 100 Location: Blackpool Well Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Shobnall No 4 / Grange /Cairo Well Etc Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 16th April 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D5SE (N)	691	1	424700 321700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Bass Brewers Limited Licence Number: 03/28/24/0048 Permit Version: 100 Location: Blackpool Well Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: 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: Shobnall No 4 / Grange / Cairo Well Etc Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 16th April 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D5SE (N)	691	1	424700 321700
	Water Abstractions Operator: Coors Brewers Limited Licence Number: 03/28/24/0113 Permit Version: 2 Location: Briggs Tubes(Blackpool St) ,Burton On Trent, - 6 Boretubes Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Coors Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D5NW (N)	731	1	424370 321760
	Water Abstractions Operator: Coors Brewers Limited Licence Number: 03/28/24/0113 Permit Version: 2 Location: Briggs Tubes(Blackpool St) ,Burton On Trent, - 6 Boretubes Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: 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: Coors Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D5NW (N)	731	1	424370 321760
	Water Abstractions Operator: Bass Brewers Limited Licence Number: 03/28/24/0113 Permit Version: 1 Location: Briggs Tubes(Blackpool St) ,Burton On Trent, - 6 Boretubes Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bass Brewers Limited,Burton On Trent,Staffs - Wells & Boreholes Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th January 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D5NW (N)	731	1	424370 321760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Bass Brewers Limited Licence Number: 03/28/24/0113 Permit Version: 1 Location: Briggs Tubes(Blackpool St) ,Burton On Trent, - 6 Boretubes Authority: Environment Agency, Midlands Region Abstraction: Breweries/Wine: 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: Bass Brewers Limited,Burton On Trent,Staffs - Wells & Boreholes Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th January 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D5NW (N)	731	1	424370 321760
	Groundwater Vulnerability Geological Classification: Inland water or sea Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	(SW)	0	1	423373 320217
	Groundwater Vulnerability Geological Classification: Non Aquifer (Negligibly permeable) - Formations which are generally regarded as containing insignificant quantities of groundwater. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants Soil Classification: Not classified Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	D1NE (NW)	0	1	424586 321118
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	D1NW (NW)	0	1	424234 321316
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers 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 23 Leicestershire Scale: 1:100,000	D1NE (NW)	0	1	424586 321118
	Drift Deposits None				
6	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	D1NE (N)	69	1	424609 321136
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	D1NE (N)	0	1	424615 321100
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	D1SE (SW)	0	1	424510 321018
	Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	D1NE (NW)	26	1	424576 321110
	Areas Benefiting from Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: South Derbyshire District Council - Has no landfill data to supply		0	5	424561 321017
	Local Authority Landfill Coverage Name: Derbyshire County Council - Had landfill data but passed it to the relevant environment agency		0	9	424561 321017
	Local Authority Landfill Coverage Name: Staffordshire County Council - Has supplied landfill data		15	8	424561 321017
	Local Authority Landfill Coverage Name: East Staffordshire District Council - Has supplied landfill data		15	7	424561 321017

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic mudstones (including Keuper Marl, Dolomitic Conglomerate and Rhaetic)	D6SE (NE)	0	2	425399 321447
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	D1SE (S)	0	3	424623 321000
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	2	424600 321100
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	2	424600 321100
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	242	2	424375 321325
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SE (W)	0	2	424550 321074
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (W)	0	2	424550 321074
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D2SW (E)	0	2	425000 321074
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1NE (W)	88	2	424475 321125
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	2	424600 321100
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	2	424600 321100
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D2SW (E)	0	2	424775 321074
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	242	2	424375 321325
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NW (W)	0	2	424150 321100
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D2SE (E)	0	2	425125 321074
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NW (W)	242	2	424150 321100
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	D2SW (E)	0	2	425000 321074
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	D2SW (E)	0	2	425000 321074

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	D2SW (E)	0	2	425000 321074
	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	D2SW (E)	0	2	425000 321074
	Shallow Mining Hazards No Hazard				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Contemporary Trade Directory Entries Name: N B Autos Location: Huntingdon Rd, Burton-on-Trent, Staffordshire, DE15 9JJ Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	D1NE (E)	229	-	424738 321120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Areas of Adopted Green Belt Authority: South Derbyshire District Council Plan Name: South Derbyshire Local Plan Status: Adopted Plan Date: 31st May 1998	(SE)	132	5	425355 320470
9	Areas of Unadopted Green Belt Authority: South Derbyshire District Council Plan Name: South Derbyshire Local Plan Status: Revised Deposit Draft Plan Date: 31st January 2003	(SE)	121	5	425351 320468
10	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	D2SW (E)	0	6	425000 321074
11	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	D2SW (E)	0	6	425000 321074

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	June 2007 March 2007	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	October 2007	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	January 2008	As notified
Integrated Pollution Controls Environment Agency - Midlands Region	October 2007	Quarterly
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	October 2007	Quarterly
Local Authority Integrated Pollution Prevention And Control East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	January 2007 March 2007	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	October 2007	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	January 2008	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	January 2008	As notified
Registered Radioactive Substances Environment Agency - Midlands Region	October 2007	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	September 2007	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	October 2006	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	October 2007	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2007	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Source Protection Zones Environment Agency - Head Office	April 2005	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2007	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	October 2007	Quarterly
Flood Defences Environment Agency - Head Office	October 2007	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2007 October 2007	As notified As notified
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	October 2007	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	November 2007 November 2007	Quarterly Quarterly
Local Authority Landfill Coverage Derbyshire County Council East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council Staffordshire County Council - Waste Management	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites East Staffordshire Borough Council - Environmental Health Department Derbyshire County Council South Derbyshire District Council Staffordshire County Council - Waste Management	March 2004 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	October 2007	Bi-Annually
Explosive Sites Health and Safety Executive	August 2007	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents East Staffordshire Borough Council - Planning Department Staffordshire County Council Derbyshire County Council South Derbyshire District Council	April 2007 April 2007 January 2007 November 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2007	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Areas Cheshire Brine Subsidence Compensation Board	November 2002	As notified
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2007	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	Annually
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable

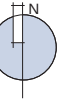
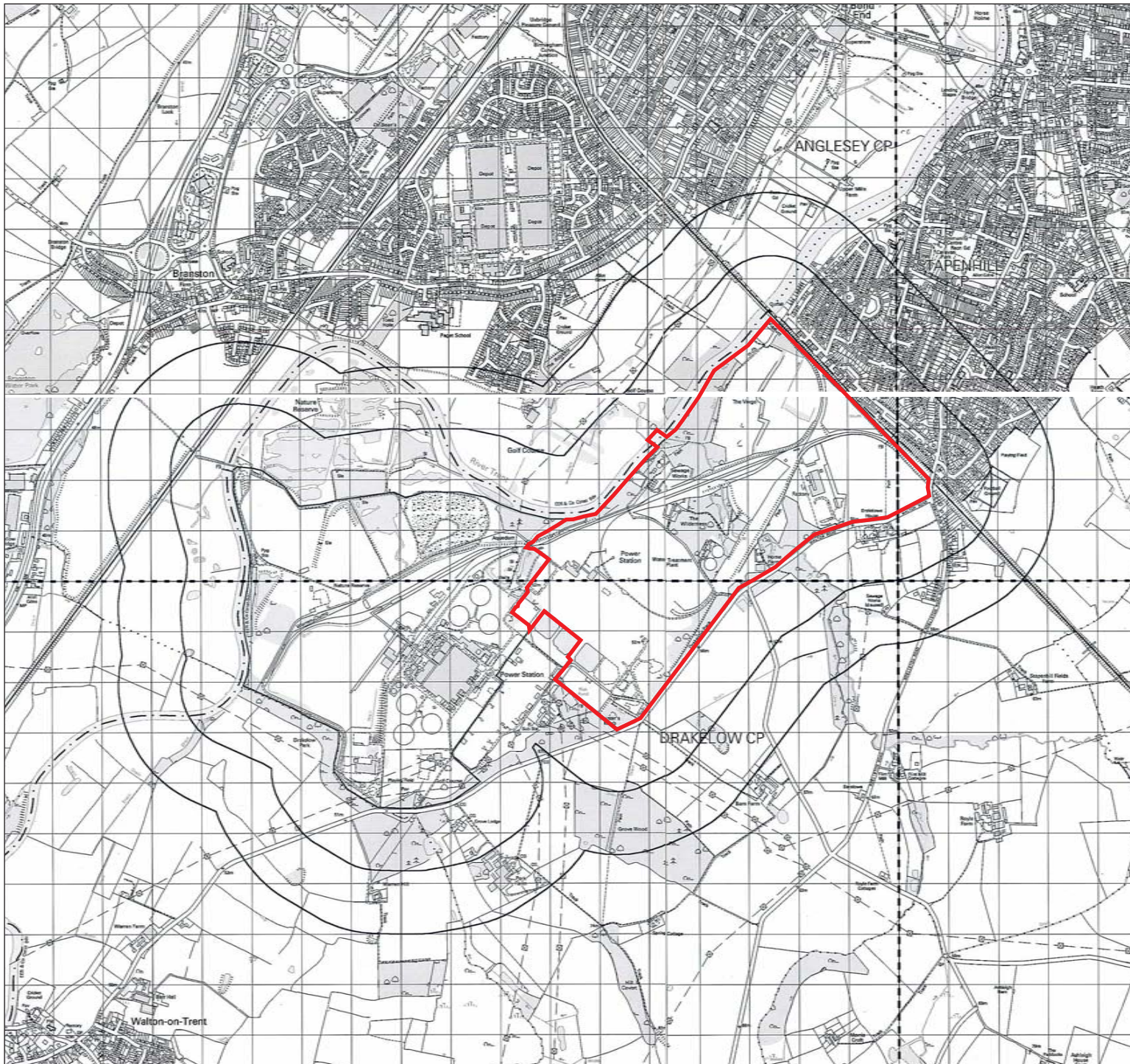
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	August 2007	Quarterly
Fuel Station Entries Catalist Ltd - (Fuel Station Data)	December 2007	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	March 1999 May 1998	As notified As notified
Areas of Unadopted Green Belt East Staffordshire Borough Council South Derbyshire District Council	August 2004 January 2003	As notified As notified
Areas of Outstanding Natural Beauty Natural England (formerly The Countryside Agency)	November 2006	Annually
Environmentally Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2006	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves East Staffordshire Borough Council South Derbyshire District Council	January 2000 September 1999	Variable Variable
Marine Nature Reserves Natural England	October 2007	Bi-Annually
National Nature Reserves Natural England	October 2007	Bi-Annually
National Parks Natural England (formerly The Countryside Agency)	October 2006	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	May 2007	Annually
Ramsar Sites Natural England	October 2007	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2007	Bi-Annually
Special Areas of Conservation Natural England	October 2007	Bi-Annually
Special Protection Areas Natural England	October 2007	Bi-Annually

A selection of organisations who provide data within this report

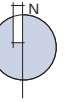
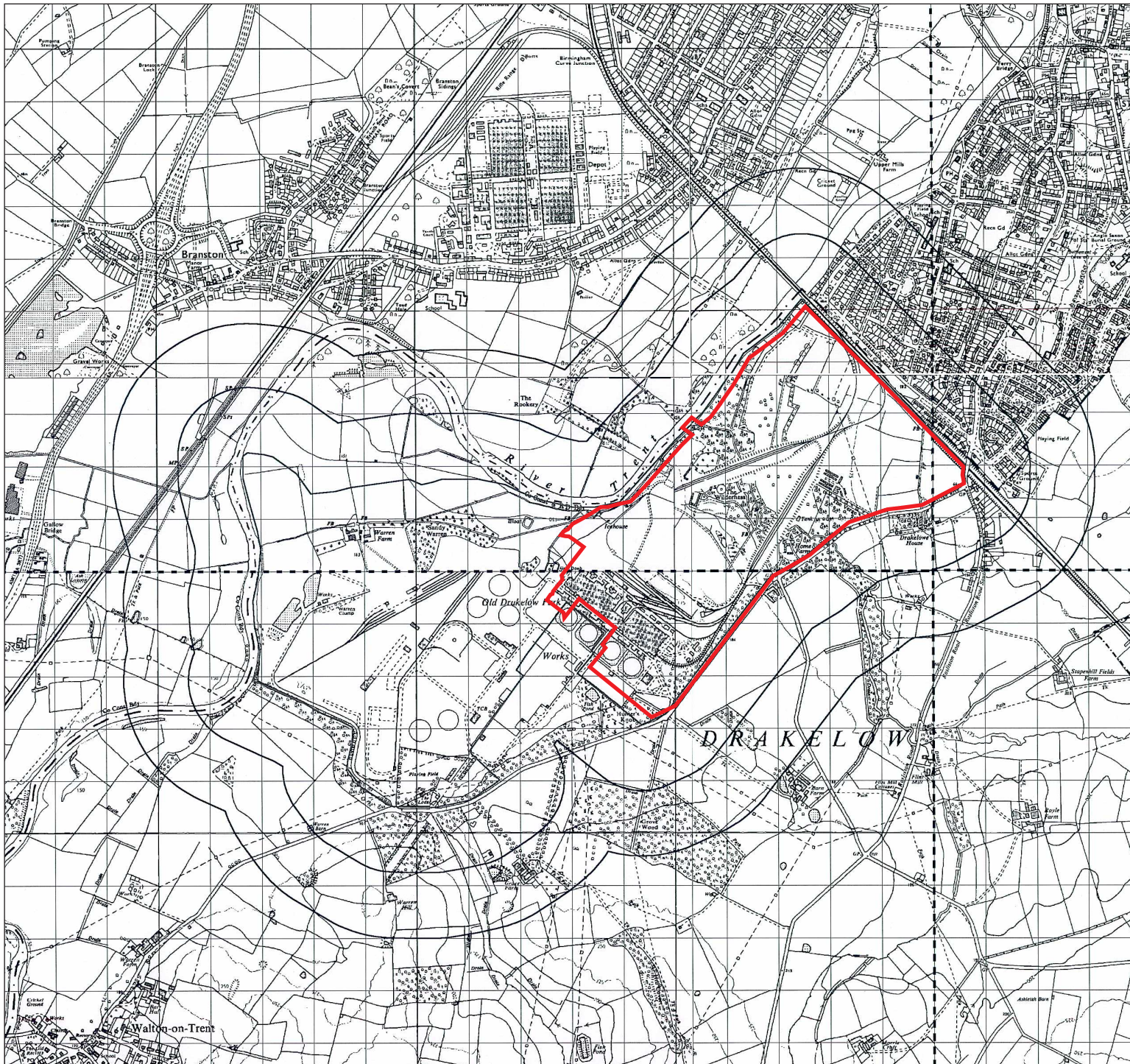
Data Supplier	Data Supplier Logo
Ordnance Survey	 Ordnance Survey Licensed Partner
Environment Agency	 Environment Agency
Scottish Environment Protection Agency	 SEPA Scottish Environment Protection Agency
The Coal Authority	 THE COAL AUTHORITY
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	 SCOTTISH NATURAL HERITAGE
Natural England	 NATURAL ENGLAND
Health Protection Agency	 Health Protection Agency
Ove Arup	 ARUP
Peter Brett Associates	 pba

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
4	East Staffordshire Borough Council Town Hall, Derby Street, Burton upon Trent, Staffordshire, DE14 2JS	Telephone: 01283 508000 Fax: 01283 508388 Website: www.eaststaffsbc.gov.uk
5	South Derbyshire District Council Civic Offices, Civic Way, Swadlincote, Derbyshire, DE11 0AH	Telephone: 01283 221000 Fax: 01283 550128 Website: www.south-derbys.gov.uk
6	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
7	East Staffordshire Borough Council - Environmental Health Department Midland Grain Warehouse, Derby Street, Burton Upon Trent, Staffordshire, DE14 2JJ	Telephone: 01283 508848 Fax: 01283 508388 Website: www.eaststaffsbc.gov.uk
8	Staffordshire County Council - Waste Management Departmental Headquarters, Greenhall, Lichfield Road, Stafford, Staffordshire, ST17 4LA	Telephone: 01785 223121 Website: www.staffordshire.gov.uk
9	Derbyshire County Council County Offices, Matlock, Derbyshire, DE4 3AG	Telephone: 01629 580000 Fax: 01629 580119 Website: www.derbyshire.gov.uk
-	Health Protection Agency Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 831600 Fax: 01235 833891 Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.



Drawing Title	Figure C1: Historical Map 2007
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_C1A
Date	July 2008
File Location	\\nt-inss\well\projects\en6400s\en6484\graphics\ds\issued figures



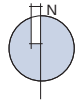
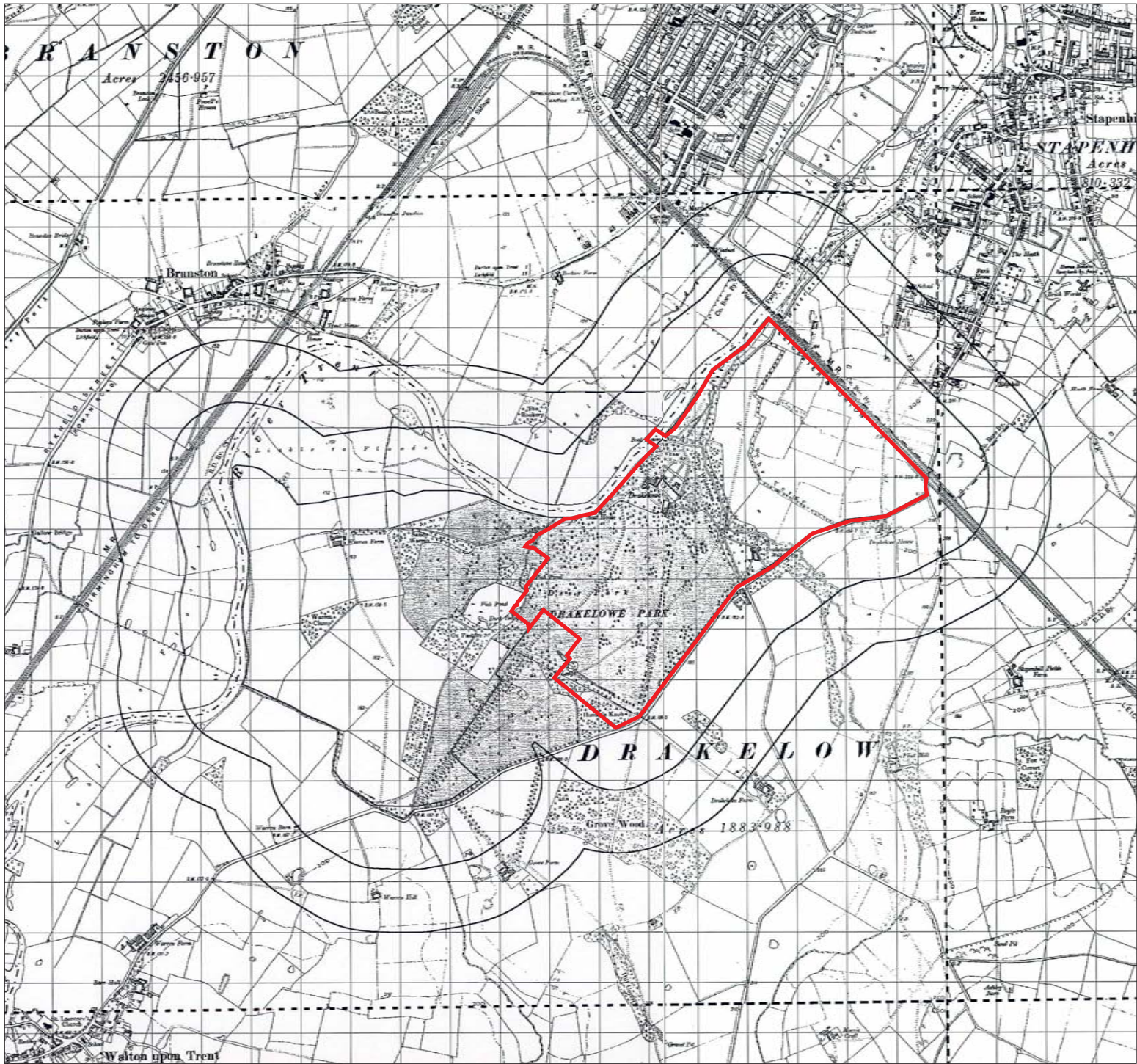
Drawing Title Figure C2: Historical Map 1975

Project Title Drakelow Park

Drawing No EN6484_GR_DS_C2A

Date July 2008

File Location \\nt-inss\well\projects\en6400s\en6484\graphics\ds\issued figures



Drawing Title	Figure C3: Historical Map 1902
Project Title	Drakelow Park
Drawing No	EN6484_GR_DS_C3A
Date	July 2008
File Location	\\nt-inss\well\projects\en6400s\en6484\graphics\ds\issued figures

Peter McEvoy
Head of Environmental Services

Civic Offices, Civic Way,
Swadlincote, Derbyshire DE11 0AH

Please ask for Dan Calverley

Tel: (01283) 595 968

Fax (01283) 595855

Minicom: (01283) 595941

DX 23912 Swadlincote

email: dan.calverley@south-derbys.gov.uk

Our ref: 16085

Your ref: EN6484

Date: 27 February 2008

Waterman Environmental Consultants
Civic House
156 Great Charles Street
Birmingham
B3 3HN

For the attention of Michelle Gwynne

Dear Michelle,

RE: Environmental Information Request, Drakelow Power Station

I write with reference to your request for information regarding the above site.

From 1 April 2000, local authorities have had a statutory duty to inspect their areas for contaminated land and draw up a strategy for inspection. South Derbyshire District Council's strategy is complete and the ongoing process of inspection is now in its early stages. This will ultimately enable the environmental health department to determine whether there is any land within the district that is deemed to be contaminated.

Currently, therefore, the department is not in a position to confirm whether the land is contaminated within the terms of the legislation, although I am able to give you an outline of historical land use in the area based upon the information we currently hold.

There is historical evidence that land onsite and within 250m has been used for the following uses, as displayed on the attached plan:

1. Operation of a landfill site licenced to accept sewage sludge, and ash at former gravel pit.
2. Electricity production & distribution (inc large transformers)
3. Quarrying of sand and clay, operation of sand & gravel pits
4. Unknown filled ground (Pond, marsh, river, stream, dock etc)
5. EA licensed PPC A1 process: landfill of asbestos
6. LA PPC Part B process: ready mix concrete
7. Sewage
8. Unknown filled ground (Pond, marsh, river, stream, dock etc)
9. Currently licensed waste site: A11 – household, commercial and industrial wastes
10. Railways
11. Possible tanks (under or above ground)
12. Miscellaneous power facilities

May I take this opportunity to remind you of the law relating to contaminated land and its future use. Part IIA of the Environmental Protection Act 1990 states that contaminated land must be made suitable for its intended use and remediated to a safe level. The Authority

will expect to be consulted on this process. Guidance can be obtained from the Department of Food and Rural Affairs (Circular 01/2006).

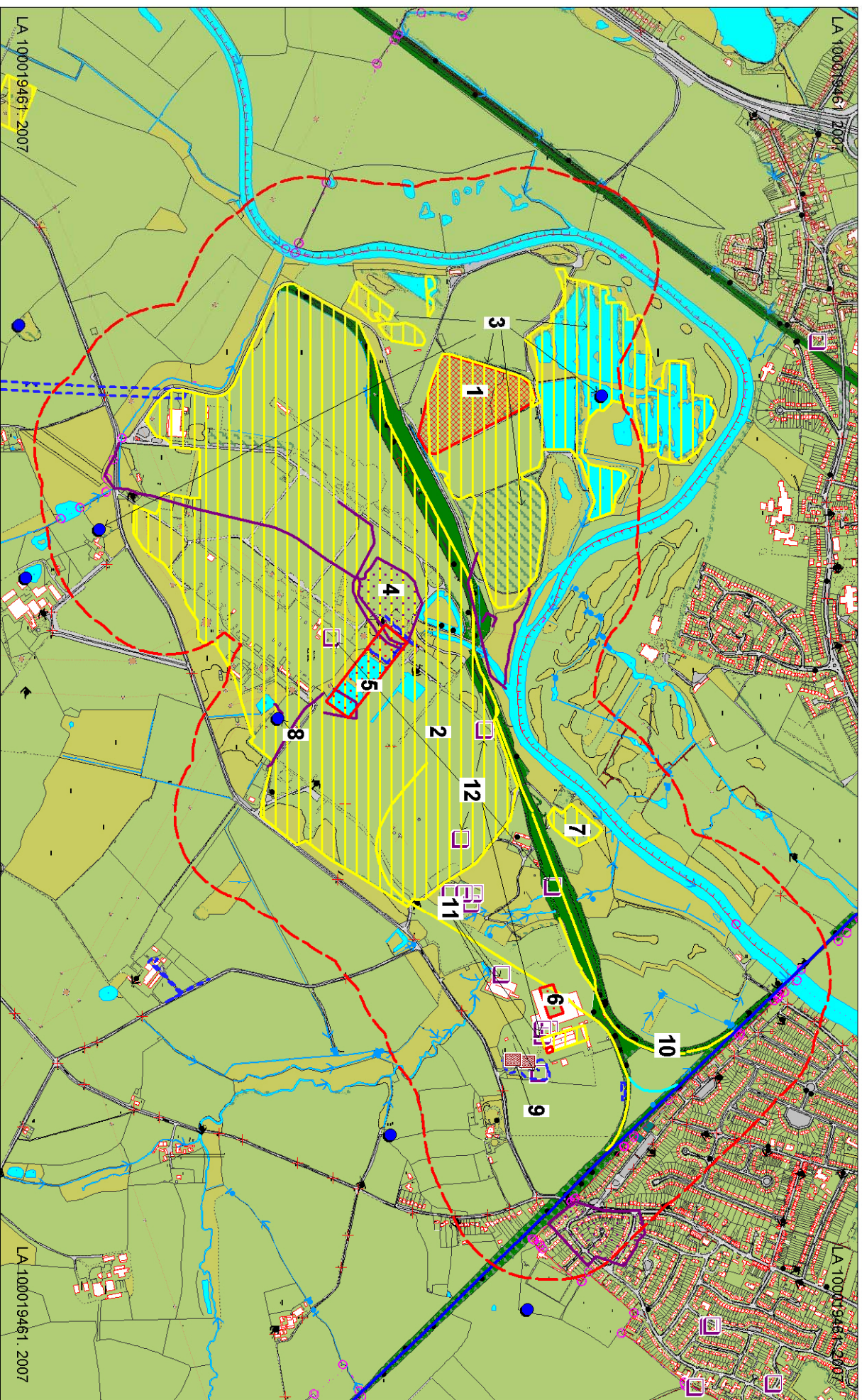
This information is provided based on records and files from varying sources and of varying reliability. Consequently, South Derbyshire District Council cannot guarantee the accuracy or completeness of the information provided, nor does it accept any liability whatsoever for any loss or damage arising from the interpretation or use of the information.

I trust this information is of use to you. Please do not hesitate to call if I can be of further assistance.

Yours sincerely,

Dan Calverley
Pollution control officer – contaminated land

Drakelow Power Station



Crown Copyright. All rights reserved.
South Derbyshire District Council.
OS Licence No. LA 100019461: 2007

scale: 1cm = 0.15km

Centred on 423680, 320000

28/02/08

Prepared by:
D. Calverley



Gwynne, Michelle J

From: Calverley Dan [dan.calverley@south-derbys.gov.uk]
Sent: 28 February 2008 10:11
To: Gwynne, Michelle J
Subject: RE: Environmental Information Request: Drakelow, South Derbyshire

Hi Michelle,

Based on the current land use for this site, it has been ranked of low-medium priority for detailed inspection. Clearly any development that introduced new receptors would increase the risk, hence thorough investigation would be made a condition of any development proposed here.

Hope that helps.

Regards,

Dan Calverley
Pollution control officer (contaminated land)
South Derbyshire District Council
Tel: 01283 595 968
www.south-derbys.gov.uk

-----Original Message-----

From: Gwynne, Michelle J [mailto:m.j.gwynne@waterman-group.co.uk]
Sent: 27 February 2008 15:20
To: Calverley Dan
Subject: RE: Environmental Information Request: Drakelow, South Derbyshire

Dan,

Thank you for completing the search so quickly.

Could you just advise me whether the site is considered a priority on South Derbyshire District Council's strategy for inspection?

Kind regards,

Michelle

From: Calverley Dan [mailto:dan.calverley@south-derbys.gov.uk]
Sent: 27 February 2008 14:59
To: Gwynne, Michelle J
Subject: RE: Environmental Information Request: Drakelow, South Derbyshire

Michelle,

Please see the attached letter and plan in answer to your query. If you want a hardcopy, please let me know if the address is correct. I would be grateful if you would send a cheque for £35.50 made payable to South Derbyshire District Council.

Please feel free to contact me if I can be of further assistance.

Thanks and regards,

Dan Calverley
Pollution control officer (contaminated land)
South Derbyshire District Council

Subject: FW: EN6484 Drakelow Park Site

Michelle,
thank you for your e-mail, and your payment of £42. A receipt for the latter is being sent in the post. Enclosed is a list of the approved planning applications on our records relating to the site.

Planning reference.	Date of decision.	Description of development.
364/13.	5/9/1964.	Erection of factory.
REP/764/28	7/10/1964.	Erection of factory.
REP/365/23	8/7/1965.	Erection of a workshop.
573/45.	17/8/1973.	Office extensions.
9/774/256.	14/11/1974.	Showers and locker rooms.
9/774/257.	14/11/1974.	Offices.
9/376/226.	15/6/1976.	Extension to existing factory.
9/886/444.	6/11/1986.	Use for storage and processing of scrap metal.
9/888/462.	22/12/1988.	Erection of offices, car parking areas and use for general industry.
9/289/1113.	29/3/1989.	Siting of 4 portacabin buildings for temporary office accommodation.
9/889/580/F.	24/10/1989.	Retention of a gate house.
9/1290/911/F.	11/2/1991.	Warehouse and office block.
9/791/412/F.	29/11/1991.	Continued siting of portacabin buildings.
9/592/190/F.	8/7/1992.	2 storey prefabricated office block.
9/794/324/F.	5/9/1994.	Erection of a brick skin on all elevations and provision of a third storey to the prefabricated office building.
9/1094/643/F.	15/12/1994.	Workshop extension.
9/1194/732/F.	20/1/1995.	13.5 metre high replacement silo.
9/1294/788/F.	10/4/1995.	3 storey office block.
9/295/884/F.	28/3/1995.	Part 2 storey extension.
9/1195/623/F.	24/1/1996.	Renewal of 9/791/412/F.
9/198/819/F.	9/3/1998.	Production building.
9/298/924/F.	24/4/1998.	2 storey temporary office block and link block.
9/498/44/F.	9/9/1999.	Building to enlarge production facilities.
9/498/45/F.	9/7/1998.	Temporary office block.
9/798/277/F.	6/10/1998.	Regrading of an embankment and the filling of the redundant sewerage tanks area.
9/798/298/F.	9/9/1998.	Industrial building.
9/898/396/F.	7/12/1998.	2 storey office block.
9/1098/584/F.	28/9/2000.	Re-submission of 9/198/819/F.
9/1098/595/F.	28/9/2000.	Re-grading of land.
9/1098/596/F.	4/3/1999.	Test house.
9/1098/597/TP.	23/12/1998.	Felling of trees.
9/1198/672/U.	21/1/1999.	Use of signal box as security office.
9/1198/714/F.	15/2/1999.	Pair of semi-detached houses.
9/1298/763/F.	5/3/1999.	Portable office building.
9/1298/924/F.	24/4/1998.	Erection of link offices.
9/199/837/F.	28/9/2000.	Batching plant.
9/199/838/F.	25/3/1999.	Washdown facility.
9/1999/0699/F.	22/12/1999.	Single storey extensions at express buildings 1/2 and 3
9/1999/739/F.	22/12/1999.	Siting of portable building.
9/2000/27/F.	1/3/2000.	Office building.
9/2000/28/R.	1/3/2000.	Variation of conditions 2 of 9/498/45/F and 1 of 9/298/924/F to permit an extended time limit for the erection of the brick skin on the office.
9/2000/42/F.	1/3/2000.	Installation of lift to London building.
9/2000/0354/U.	6/6/2000.	Change of use to circulation/storage use including the raising of the land.
9/2000/0814/F.	25/10/2000.	Gantry crane.
9/2000/977/F.	7/2/2001.	Alteration of land levels.
CW9/101/110	25/4/2001.	Silt treatment.
9/2001/329/F.	29/5/2001.	Alteration of land levels (revised scheme to 9/2000/977/F).
9/2001/672/F.	6/9/2001.	40 metre lattice telecommunications tower.
9/2001/678/F.	6/9/2001.	Reduction of ground levels.
9/2001/922/F.	15/2/2002.	Earth bund and planting.
9/2001/1005/F.	5/12/2001.	Open storage for temporary 6 month period.
9/2002/13/F.	8/5/2002.	Amended siting of telecommunications tower.
9/2002/174/U.	18/6/2002.	Use of land as open storage.
9/2002/549/R.	23/7/2002.	Use for open storage.
9/2002/568/F.	20/8/2002.	Reduction of ground levels.
9/2002/934/A.	22/10/2002.	Re-location of signs.
9/2002/1149/U.	23/12/2002.	Change of use of land to storage and formation of emergency access.
9/2002/1150/R.	18/12/2002.	Variation of conditions 2 of 9/498/45/F and 1 of 9/298/924/F.
9/2003/136/O.	26/3/2003.	Temporary offices and storage shed.
9/2003/737/F.	13/8/2003.	Erection of an extension.
9/2003/877/R.	9/9/2003.	Variation of condition 2 of 9/2002/568/F.
9/2003/878/F.	11/9/2003.	Use of land for open storage.
9/2003/1515/R.	10/2/2004.	Continued use of land for temporary period for storage, and access.
9/2003/1429/M.	3/3/2004.	Erection of extension to industrial shed express 1 and 2.
9/2004/67/M.	24/3/2004.	Extension to express 4 building.
9/2004/116/M.	12/5/2004.	Erection of an office block.
9/2004/121/TP.	30/3/2004.	Pruning of Yew trees.
CW9/2004/156/CW.	12/1/2005.	Formation of asbestos landfill facility.
9/2004/231/F.	21/4/2004.	Renewal of 9/1298/763/F.

9/2004/698/F.	22/7/2004.	Extension of London office building.
9/2004/749/M.	15/9/2004.	Extension of express building 3.
9/2004/761/FI.	25/8/2004.	Erection of a concrete batcher.
9/2004/839/F.	31/8/2004.	Extensions to the gate house.
9/2004/922/R.	21/9/2004.	Variation of condition 2 of 9/2004/669/TP to extend time for agreement of planting scheme.
9/2004/1330/R.	30/11/2004.	Storage of materials.
9/2004/1638/TP.	1/2/2005.	Pruning and re-location of trees.
9/2005/52/U.	10/3/2005.	Temporary change of use to storage, and access way.
9/2005/232/R.	21/4/2005.	Renewal of 9/2000/27/F.
9/2005/413/R.	25/5/2005.	Variation of condition 1 of 9/2002/888/F for extension of time limit.
9/2006/182/U.	10/4/2006.	Temporary change of use to storage, and access way.
9/2006/437/F.	22/9/2006.	Erection of an office block.
9/2006/0593/F.	12/10/2006.	New vehicular access.
9/2006/672/B.	28/7/2006.	Variation of condition 1 of planning permission 9/2005/296/R to extend the time limit.
9/2006/673/B.	28/7/2006.	Extension of time limit.
9/2006/785/M.	9/11/2006.	Erection of extension to existing production facility.
9/2006/972/F.	9/10/2006.	The permanent retention and extension of the 'ceram house'.
9/2007/319/B.	14/5/2007.	Renewal of temporary permission for use as storage, and access way.
9/2007/774/F.	9/8/2007.	Security offices and barriers.
9/2007/1214/F.	19/12/2007.	Erection of a workshop, access road and yard.
9/2007/1286/F.	19/12/2007.	Change of use of land to storage.

If you are interested in viewing the conditions attached to the planning permissions, the most recent ones may be viewed on our website, www.south-derbys.gov.uk/planning, and the older ones may be obtained in hard copy upon payment of £12.80 each. If you have any further queries, or require any further information, please do not hesitate to contact me.

Regards,

Alan Barrett
Planning Services Assistant
South Derbyshire District Council
Civic Offices, Civic Way
Swadlincote
DE11 0AH
(01283) 595751
barretta@south-derbys.gov.uk

Buck, Hannah

From: Palmer Anna [Anna.Palmer@south-derbys.gov.uk]
Sent: 05 March 2008 17:21
To: Gwynne, Michelle J
Subject: Ground Conditions- Drakelow

Michelle

Sorry it's taken all afternoon to get back to you but I was waiting on the reply from a colleague.

Information that we have on ground conditions are that there is a landfill within 250m, unknown filled ground, railways, the possibility of underground tanks, sewage and quarrying. Also not forgetting the power systems.

The ground in the South Derbyshire area is also known for clay and areas of coal.

Hope this helps, should you require further information please do not hesitate to contact me. I shall be out of the office tomorrow but will return on Friday.

Anna Palmer, DipSurvPract
Building Control Surveyor
South Derbyshire District Council
anna.palmer@south-derbys.gov.uk

Tel: 01283 595919
Fax: 01283 595850

www.south-derbys.gov.uk

Please consider the effect on the environment before printing this email.

Content: The views expressed in this email are personal and may not necessarily reflect those of South Derbyshire District Council, unless explicitly stated otherwise.

Confidentiality: This e-mail and its attachments are intended for the above named only and may be confidential. If they have come to you in error you must take no action based on them, nor must you copy or show them to anyone; please reply to this e-mail and highlight the error. Senders and recipients of e-mail should be aware that under the Data Protection Act 1998 and Freedom of Information Act 2000, the contents may have to be disclosed. South Derbyshire District Council reserves the right to monitor both sent and received emails.

You can find out more about South Derbyshire District Council by visiting www.south-derbys.gov.uk

Issued by:

The Coal Authority, Mining Reports Office, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire NG18 4RG
On-Line Service: www.coalminingreports.co.uk - Phone: 0845 762 6848 - DX 716176 MANSFIELD 5

Person dealing with this matter:

Keith Pennington

Our reference:

00010156-08

Your reference:

EN6484

Electronic Ref:

RRUID:

007.00021741060001

Date of your enquiry:

08 February 2008

Date we received your enquiry:

08 February 2008

Date of issue:

**WATERMAN ENVIRONMENTAL LTD,
156 GREAT CHARLES STREET,
BIRMINGHAM,
WEST MIDLANDS,
B3 3HN**

This report is for the property described in the address below and the attached plan.

Coal and Brine Report

Area At Drakelow Park, Drakelow, Derbyshire

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	Yes
Brine extraction	No

Information from the Coal Authority

Underground Coal Mining

Past

According to the records in our possession, the property is not within the zone of likely physical influence on the surface from past underground workings.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove coal using underground methods.

BIRMINGHAM OFFICE	
JOB NO: EN6484	
ACTION BY MG	COMPLETED
12 FEB 2008	
ACCOUNTS CODE	COPY FORWARD TO
Page 1 of 4	
ACTION	

All rights reserved. You must not reproduce, store or transmit any part of this document unless you have our written permission.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Coal-mining geology

At the surface, there are no known faults or other lines of weakness due to coal mining that have made the property unstable.

Opencast Coal Mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal-mining subsidence

The Coal Authority has not received a damage notice or claim for the property since 1 January 1984. There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority has not received a request to carry out preventive work before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of Support

The property is not in an area for which a notice of entitlement to withdraw support has been published.

The property is not in an area for which a notice has been given under section 41 of the Coal Industry Act 1994, revoking the entitlement to withdraw support.

Working Facilities Orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to Owners of Former Copyhold Land

The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

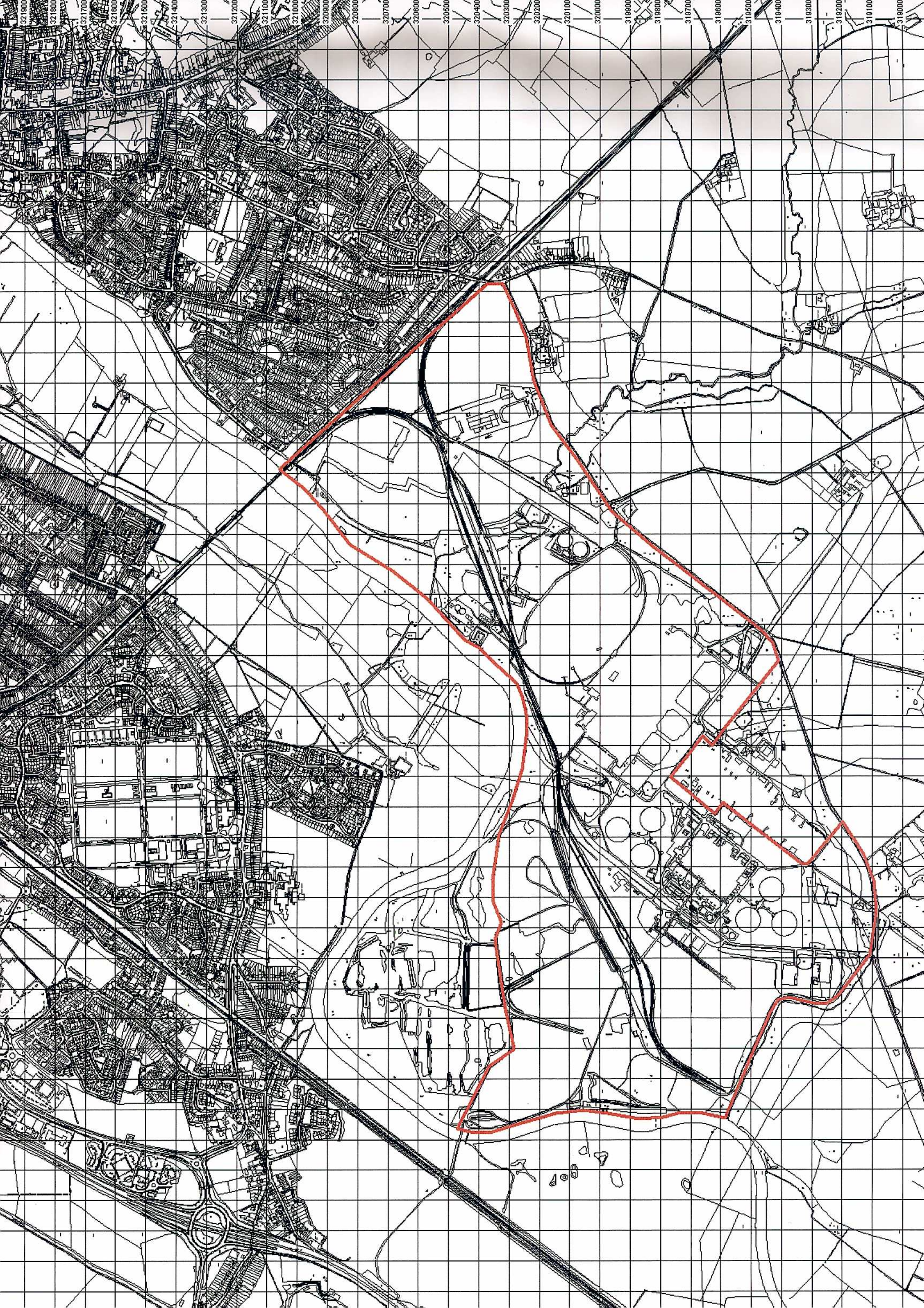
Additional remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The report is compliant with Home Information Pack requirements.

The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Ordnance Survey (OS) has carried out a Positional Accuracy Improvement Programme to make sure that the maps it produces are accurate. We have no control over who is using the improved information. In some cases, the position of surface features and mining features on the map may change because of this programme. We will update our database in line with Ordnance Survey's improved maps. However, at the moment we are producing mining reports using Ordnance Survey's maps from before the improvement programme.

This page is intentionally blank



From: Barrett Alan [Alan.Barrett@South-derbys.gov.uk]
 Sent: 05 March 2008 10:49
 To: Gwynne, Michelle J
 Subject: RE: EN6484 Drakelow Park Site

Michelle,

thank you for your e-mail, and your payment of £42. A receipt for the latter is being sent in the post. Enclosed is a list of the approved planning applications on our records relating to the site.

Planning reference.	Date of decision.	Description of development.
364/13.	5/9/1964.	Erection of factory.
REP/764/28	7/10/1964.	Erection of factory.
REP/365/23	8/7/1965.	Erection of a workshop.
573/45.	17/8/1973.	Office extensions.
9/774/256.	14/11/1974.	Showers and locker rooms.
9/774/257.	14/11/1974.	Offices.
9/376/226.	15/6/1976.	Extension to existing factory.
9/886/444.	6/11/1986.	Use for storage and processing of scrap metal.
9/888/462.	22/12/1988.	Erection of offices, car parking areas and use for general industry.
9/289/1113.	29/3/1989.	Siting of 4 portacabin buildings for temporary office accommodation.
9/889/580/F.	24/10/1989.	Retention of a gate house.
9/1290/911/F.	11/2/1991.	Warehouse and office block.
9/791/412/F.	29/11/1991.	Continued siting of portacabin buildings.
9/592/190/F.	8/7/1992.	2 storey prefabricated office block.
9/794/324/F.	5/9/1994.	Erection of a brick skin on all elevations and provision of a third storey to the prefabricated office building.
9/1094/643/F.	15/12/1994.	Workshop extension.
9/1194/732/F.	20/1/1995.	13.5 metre high replacement silo.
9/1294/788/F.	10/4/1995.	3 storey office block.
9/295/884/F.	28/3/1995.	Part 2 storey extension.
9/1195/623/F.	24/1/1996.	Renewal of 9/791/412/F.
9/198/819/F.	9/3/1998.	Production building.
9/298/924/F.	24/4/1998.	2 storey temporary office block and link block.
9/498/44/F.	9/9/1999.	Building to enlarge production facilities.
9/498/45/F.	9/7/1998.	Temporary office block.
9/798/277/F.	6/10/1998.	Regrading of an embankment and the filling of the redundant sewerage tanks area.
9/798/298/F.	9/9/1998.	Industrial building.
9/898/396/F.	7/12/1998.	2 storey office block.
9/1098/584/F.	28/9/2000.	Re-submission of 9/198/819/F.
9/1098/595/F.	28/9/2000.	Re-grading of land.
9/1098/596/F.	4/3/1999.	Test house.
9/1098/597/TP.	23/12/1998.	Felling of trees.
9/1198/672/U.	21/1/1999.	Use of signal box as security office.
9/1198/714/F.	15/2/1999.	Pair of semi-detached houses.
9/1298/763/F.	5/3/1999.	Portable office building.
9/1298/924/F.	24/4/1998.	Erection of link offices.
9/199/837/F.	28/9/2000.	Batching plant.
9/199/838/F.	25/3/1999.	Washdown facility.
9/1999/0699/F.	22/12/1999.	Single storey extensions at express buildings 1/2 and 3
9/1999/739/F.	22/12/1999.	Siting of portable building.
9/2000/27/F.	1/3/2000.	Office building.
9/2000/28/R.	1/3/2000.	Variation of conditions 2 of 9/498/45/F and 1 of 9/298/924/F to permit an extended time limit for the erection of the brick skin on the office.
o		Installation of lift to London building.
9/2000/42/F.	1/3/2000.	Change of use to circulation/storage use including the raising of the land.
9/2000/0354/U.	6/6/2000.	Gantry crane.
9/2000/0814/F.	25/10/2000.	Alteration of land levels.
9/2000/977/F.	7/2/2001.	Silt treatment.
CW9/101/1110	25/4/2001.	Alteration of land levels (revised scheme to 9/2000/977/F).
9/2001/329/F.	29/5/2001.	40 metre lattice telecommunications tower.
9/2001/672/F.	6/9/2001.	Reduction of ground levels.
9/2001/678/F.	6/9/2001.	Earth bund and planting.
9/2001/922/F.	15/2/2002.	Open storage for temporary 6 month period.
9/2001/1005/F.	5/12/2001.	Amended siting of telecommunications tower.
9/2002/13/F.	8/5/2002.	Use of land as open storage.
9/2002/174/U.	18/6/2002.	Use for open storage.
9/2002/549/R.	23/7/2002.	Reduction of ground levels.
9/2002/568/F.	20/8/2002.	Re-location of signs.
9/2002/934/A.	22/10/2002.	Change of use of land to storage and formation of emergency access.
9/2002/1149/U.	23/12/2002.	Variation of conditions 2 of 9/498/45/F and 1 of 9/298/924/F.
9/2002/1150/R.	18/12/2002.	Temporary offices and storage shed.
9/2003/136/O.	26/3/2003.	Erection of an extension.
9/2003/737/F.	13/8/2003.	Variation of condition 2 of 9/2002/568/F.
9/2003/877/R.	9/9/2003.	Use of land for open storage.
9/2003/878/F.	11/9/2003.	Continued use of land for temporary period for storage, and access.
9/2003/1515/R.	10/2/2004.	Erection of extension to industrial shed express 1 and 2.
9/2003/1429/M.	3/3/2004.	Extension to express 4 building.
9/2004/67/M.	24/3/2004.	Erection of an office block.
9/2004/116/M.	12/5/2004.	Pruning of Yew trees.
9/2004/121/TP.	30/3/2004.	Formation of asbestos landfill facility.
CW9/2004/156/CW.	12/1/2005.	Renewal of 9/1298/763/F.
9/2004/231/F.	21/4/2004.	Extension of London office building.
9/2004/698/F.	22/7/2004.	Extension of express building 3.
9/2004/749/M.	15/9/2004.	Erection of a concrete batcher.
9/2004/761/FI.	25/8/2004.	Extensions to the gate house.
9/2004/839/F.	31/8/2004.	Variation of condition 2 of 9/2004/669/TP to extend time for agreement of planting scheme.
9/2004/922/R.	21/9/2004.	Storage of materials.
9/2004/1330/R.	30/11/2004.	Pruning and re-location of trees.
9/2004/1638/TP.	1/2/2005.	Temporary change of use to storage, and access way.
9/2005/52/U.	10/3/2005.	Renewal of 9/2000/27/F.
9/2005/232/R.	21/4/2005.	Variation of condition 1 of 9/2002/888/F for extension of time limit.
9/2005/413/R.	25/5/2005.	Temporary change of use to storage, and access way.
9/2006/182/U.	10/4/2006.	Erection of an office block.
9/2006/437/F.	22/9/2006.	New vehicular access.
9/2006/0593/F.	12/10/2006.	Variation of condition 1 of planning permission 9/2005/296/R to extend the time limit.
9/2006/672/B.	28/7/2006.	Extension of time limit.
9/2006/673/B.	28/7/2006.	Erection of extension to existing production facility.
9/2006/785/M.	9/11/2006.	The permanent retention and extension of the 'ceram house'.
9/2006/972/F.	9/10/2006.	Renewal of temporary permission for use as storage, and access way.
9/2007/319/B.	14/5/2007.	Security offices and barriers.
9/2007/774/F.	9/8/2007.	Erection of a workshop, access road and yard.
9/2007/1214/F.	19/12/2007.	Change of use of land to storage.
9/2007/1286/F.	19/12/2007.	

If you are interested in viewing the conditions attached to the planning permissions, the most recent ones may be viewed on our website, www.south-derbys.gov.uk/planning, and the older ones may be obtained in hard copy upon payment of £12.80 each. If you have any further queries, or require any further information, please do not hesitate to contact me.

Regards,

Alan Barrett
Planning Services Assistant
South Derbyshire District Council
Civic Offices, Civic Way
Swadlincote
DE11 0AH
(01283) 595751
barretta@south-derbys.gov.uk

-----Original Message-----

From: Gwynne, Michelle J [mailto:m.j.gwynne@waterman-group.co.uk]
Sent: 29 February 2008 14:49
To: Barrett Alan
Subject: RE: EN6484 Drakelow Park Site

Alan,

I have attached a site plan, as requested. Regarding my letter of 27 February 2008, I was wondering if you had any planning information which would give evidence of potentially contaminative uses or knew of any planning applications that had conditions applied pertaining to land contamination? I have already received a detailed environmental/contaminated land response from Dan Calverley.

I don't know if you have the above information in the planning archives but would be grateful if you could include anything relevant in the planning search.

Regards,

Michelle Gwynne

From: Barrett Alan [mailto:Alan.Barrett@South-derbys.gov.uk]
Sent: 29 February 2008 14:18
To: Gwynne, Michelle J
Subject: EN6484 Drakelow Park Site

Dear Michelle,

thank you for your letter dated 27 February 2008, enclosing a cheque for £42.

There appears to have been some confusion. I work in the planning department, not environmental health, and as such cannot comment on subjects such as contaminated land. I have discussed your letter with my colleague in environmental health, Dan Calverley, who has, I understand, spoken to you previously, and should be in a position to provide the information which you require which is within his remit. Apparently, his costs for undertaking the necessary research are £35.50, and if you would care to forward a cheque for this amount to him, I am sure he will respond to you in early course.

In order to respond to your planning queries, I should be grateful if you would let me have a plan outlining the land in which you are interested in red. You may wish to let me have two plans, in case my environmental health colleague needs one.

I look forward to hearing from you shortly. If you have any queries, please do not hesitate to contact me.

Yours sincerely

Alan Barrett
Planning Services Assistant
South Derbyshire District Council
Civic Offices, Civic Way
Swadlincote
DE11 0AH
te: (01283) 595751
fax (01283) 595850
barretta@south-derbys.gov.uk

Please consider the effect on the environment before printing this email.

Content: The views expressed in this email are personal and may not necessarily reflect those of South Derbyshire District Council, unless explicitly stated otherwise.

Confidentiality: This e-mail and its attachments are intended for the above named only and may be confidential. If they have come to you in error you must take no action based on them, nor must you copy or show them to anyone; please reply to this e-mail and highlight the error.
Senders and recipients of e-mail should be aware that under the Data Protection Act 1998 and Freedom of Information Act 2000, the contents may have to be disclosed. South Derbyshire District Council reserves the right to monitor both sent and received emails.

Gwynne, Michelle J

From: Palmer Anna [Anna.Palmer@south-derbys.gov.uk]
Sent: 05 March 2008 17:21
To: Gwynne, Michelle J
Subject: Ground Conditions- Drakelow

Michelle

Sorry it's taken all afternoon to get back to you but I was waiting on the reply from a colleague.

Information that we have on ground conditions are that there is a landfill within 250m, unknown filled ground, railways, the possibility of underground tanks, sewage and quarrying. Also not forgetting the power systems.

The ground in the South Derbyshire area is also known for clay and areas of coal.

Hope this helps, should you require further information please do not hesitate to contact me. I shall be out of the office tomorrow but will return on Friday.

Anna Palmer, DipSurvPract
Building Control Surveyor
South Derbyshire District Council
anna.palmer@south-derbys.gov.uk

Tel: 01283 595919
Fax: 01283 595850

www.south-derbys.gov.uk

Please consider the effect on the environment before printing this email.

Content: The views expressed in this email are personal and may not necessarily reflect those of South Derbyshire District Council, unless explicitly stated otherwise.

Confidentiality: This e-mail and its attachments are intended for the above named only and may be confidential. If they have come to you in error you must take no action based on them, nor must you copy or show them to anyone; please reply to this e-mail and highlight the error. Senders and recipients of e-mail should be aware that under the Data Protection Act 1998 and Freedom of Information Act 2000, the contents may have to be disclosed. South Derbyshire District Council reserves the right to monitor both sent and received emails.

You can find out more about South Derbyshire District Council by visiting www.south-derbys.gov.uk

From: Taylor, Dawn [dawn.taylor@environment-agency.gov.uk]
Sent: 28 March 2008 08:32
To: Gwynne, Michelle J
Subject: MC 14393 WATERMAN
Attachments: CSC14393 GQA.xls; CSC14393 Notification of pollution.doc

Good morning

Please find attached the response to your request for information

Regards

Dawn Taylor

Mr Michelle Gwynne
Waterman Environmental
Civic House
156 Great Charles Street
Birmingham
B3 3HN

Our Ref: MC 14393/DT
Your Ref: N/A
Date: 28 March 2008

Dear Mr Gwynne

Re: Drakelow DE15 9UA

Thank you for your e-mail dated 27 February 2008 requesting information relating to the above site.

- The area North of the site has a history of flooding for 1875 and 1955.

There are no defences at this location.

For your information, there is a model for the River Trent and if you require levels or the full model we will provide you with a separate costing.

- Groundwater Data and Pollution Incident Notification attached

The information provided is based on records and files from various sources and of varying reliability. We cannot accept any liability for any loss or damage arising from the interpretation or use of the information.

A site inspection has not been carried out in relation to your request for information. This information is provided under the conditions for use of data or information attached.

Yours sincerely

Dawn JW Taylor
External Relations Assistant

Direct Dial 01543 405004

Notice for the supply of Environment Agency information
(Standard Notice – Commercial)

1. Nothing in this notice will in any way restrict your statutory or any other rights of access to the Information. If you wish to do anything in excess of those rights you may do so in accordance with the following paragraphs only if you agree to all the terms.
2. All intellectual property rights in the documents, data or information supplied to you (referred to as “the Information”) whether owned by the Environment Agency (referred to as “Agency information”) or third parties (referred to as “Third Party information”) will continue to be owned by them.
3. The information has not been prepared to meet your or anyone else's individual requirements. It is your responsibility to ensure that the Information meets your needs.
4. The Environment Agency cannot ensure and therefore gives no promise that the Information in its possession will always be accurate, complete, up to date or valid.
5. The Environment Agency will take reasonable precautions to ensure that we provide you with an accurate copy of the Information from our records.
6. If we have specified that you must pay us for supply of the Information you must pay us before we respond to your request. You will only be able to cancel and request your fee back up to the point when we start work on providing the requested information.
7. If you have asked for the Information to be supplied in an electronic format we cannot guarantee that either the disk or the data file is free of any defects and you should check it for viruses and other items that may affect your computer.
8. Use of Third Party information, including copying, must be limited to statutory rights. This generally means that you will need to seek permission to copy. Third Party information may include information from our public registers, which has been supplied to us by a third party, for example the Information provided in an application form.

Permitted use of Agency information

9. As you have paid us our internal commercial usage charge (currently £10) you may take unlimited copies of Agency information (exactly as it is) for the internal purposes of your business (commercial internal limited use), provided that:
 - a) you ensure that all copies are attributed to the Environment Agency;
 - b) you do not amend or alter the Information, or merge it with other information;
 - c) you do not supply the Information (or any information derived from, or based on the use of it) to others.
10. If you are a professional advisor and you have paid us our internal commercial usage charge (currently £10) you may in addition to the rights in paragraph 9, give copies of Agency information (exactly as it is) to your client and any other person who reasonably requires a copy (limited professional use), provided that:
 - a) any copies you send are in connection with the specific transaction or matter for which you obtained the Information from the Environment Agency;
 - b) you make no charge for supplying the Information other than for your actual costs and time incurred;
 - c) you attach a copy of this notice and require all recipients to comply with it.

Recipients of information under this paragraph do not need to pay any additional fee as long as they use the Information exactly as it is, internally and only for the same specific transaction or matter.
11. Please contact us if you need permission for any other use.

It is important that you also read any additional information or warning we give you about specific information.

Information in this message may be confidential and may be legally privileged. If you have received this message by mistake, please notify the sender immediately, delete it and do not copy it to anyone else.

We have checked this email and its attachments for viruses. But you should still check any attachment before opening it.

We may have to make this message and any reply to it public if asked to under the Freedom of Information Act, Data Protection Act or for litigation. Email messages and attachments sent to or from any Environment Agency address may also be accessed by someone other than the sender or recipient, for business purposes.

If we have sent you information and you wish to use it please read our terms and conditions which you can get by calling us on 08708 506 506. Find out more about the Environment Agency at www.environment-agency.gov.uk

Notification of Pollution Incident - Drakelow – DE15 9UA

Notification Identifier: 439909
Notification Date: Sep 29, 2006
EA Water Management Region: Midlands Region
EA Water Management Area: Upper Trent - Midlands
EA Public Face Region: Midlands Region
EA Public Face Area: Lower Trent
County: DERBYSHIRE COUNTY
District Authority: SOUTH DERBYSHIRE DISTRICT
National Grid Reference: SK 24450 20996
Easting: 424450
Northing: 320996
Environmental Protection Incident: Yes
Substantiated: Yes
Air - Incident Category: Category 4 (No Impact)
Land - Incident Category: Category 4 (No Impact)
Water - Incident Category: Category 3 (Minor)
Type of cause: Containment and Control Failure
Cause of incident: Combined Sewer Overflow (CSO)
Type of premises: Water Industry
Premises: Combined Sewer Overflow
Category of pollutant: Sewage Materials
Pollutant: Storm Sewage

Notification Identifier: 542856
Notification Date: Nov 3, 2007
EA Water Management Region: Midlands Region
EA Water Management Area: Central - Midlands
EA Public Face Region: Midlands Region
EA Public Face Area: Central
County: STAFFORDSHIRE COUNTY
District Authority: EAST STAFFORDSHIRE DISTRICT
National Grid Reference: SK 24612 21170
Easting: 424612
Northing: 321170
Environmental Protection Incident: Yes
Substantiated: Yes
Air - Incident Category: Category 4 (No Impact)
Land - Incident Category: Category 4 (No Impact)
Water - Incident Category: Category 4 (No Impact)
Type of cause: Cause Not Identified
Cause of incident: Not Identified
Category of pollutant: Pollutant Not Identified
Pollutant: Not Identified

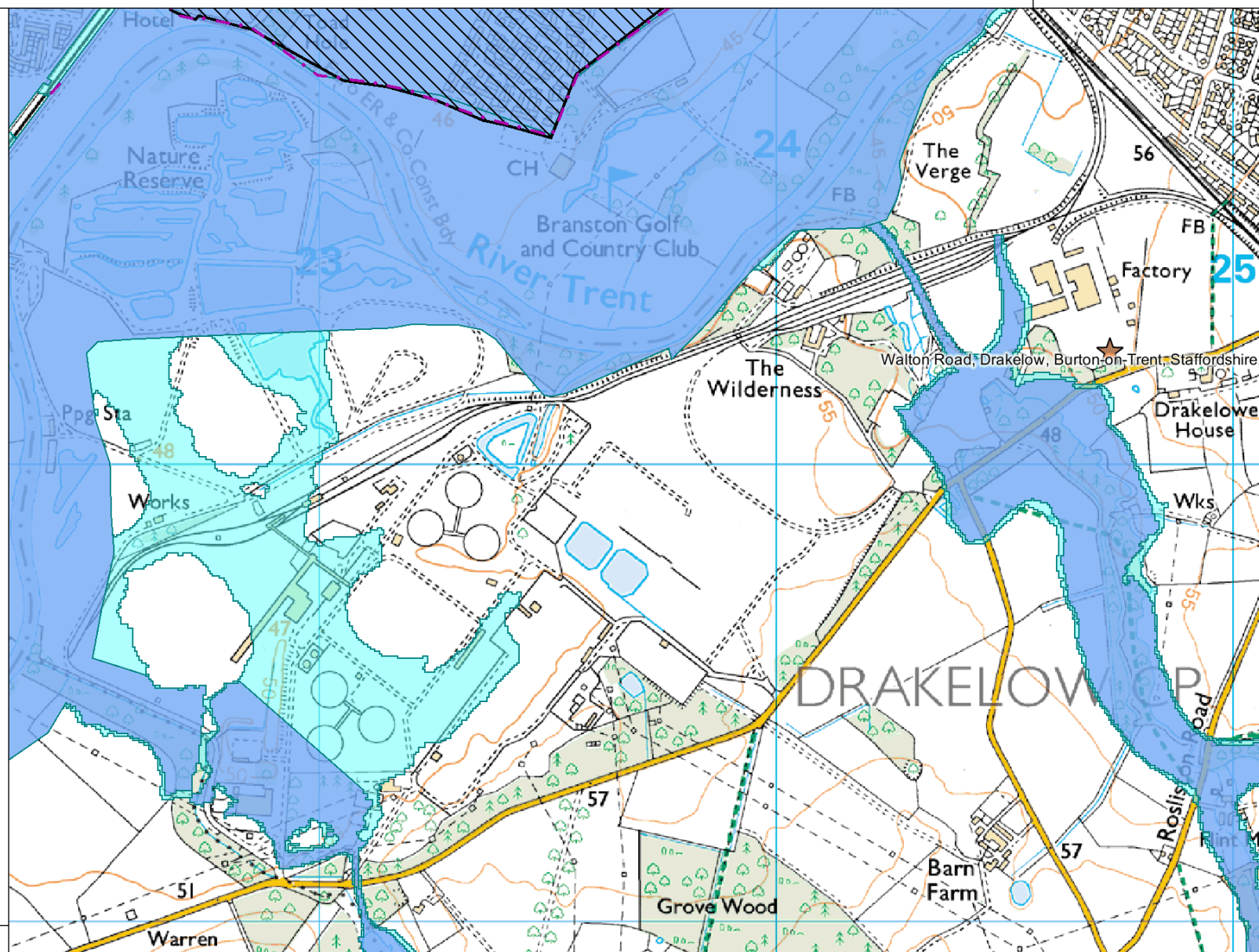
Notification Identifier: 492694
Notification Date: May 5, 2007
EA Water Management Region: Midlands Region
EA Water Management Area: Central - Midlands
EA Public Face Region: Midlands Region
EA Public Face Area: Central
County: STAFFORDSHIRE COUNTY
District Authority: EAST STAFFORDSHIRE DISTRICT
National Grid Reference: SK 24582 21113
Easting: 424582
Northing: 321113
Environmental Protection Incident: Yes
Substantiated: Yes
Air - Incident Category: Category 4 (No Impact)
Land - Incident Category: Category 4 (No Impact)

Water - Incident Category:	Category 3 (Minor)
Type of cause:	Other Cause
Cause of incident:	Other
Category of pollutant:	Oils and Fuel
Pollutant:	Unidentified Oil

CSC 14393 Flood Map

Legend

-  Flood Map - Defences
-  Areas Benefiting from Flood Defences
-  Flood Map - Flood Storage Areas
-  Flood Map - Flood Zone 3
-  Flood Map - Flood Zone 2



0 125 250 375 m.



© Environment Agency copyright and / or database rights 2007. All rights reserved. © Crown Copyright. All rights reserved. Environment Agency, 100026380, 2007.

Appendix D RISK RATING MATRIX

Table D.1: Risk rating for contaminated land qualitative risk assessment

Level of Severity	Likelihood		
	Most Likely	Reasonably Foreseeable	Unlikely
Acute harm or severe chronic harm. Direct pollution of sensitive water receptors or serious pollution of other water bodies.	High	High	Low
Harm from long-term exposure. Slight pollution of sensitive receptors or pollution of other water bodies.	Medium	Medium	Low
No significant harm in either short or long term. No pollution of water that is likely to affect sensitive receptors. No more than slight pollution of other water bodies.	Low	Low	Low

Appendix E

GROUNDWATER DATA

- o GROUNDWATER DATA PROVIDED BY ROGER BULLIVANT LTD
(11 PAGES)**
- o GROUNDWATER DATA PROVIDED BY ENVIRONMENT AGENCY
(37 PAGES)**

Borehole ID	Units	Laboratory Limits of Detection (where specified)	Freshwater EQS (Annual Average) Note 1	UK DWS	Notes	N1	N2	N3	N4	BH 3	BH 4	BH 5	BH 7	BHN1	BHN2	BHN3	BHN4
Water Body						G'Water	G'Water	G'Water	G'Water	G'Water	G'Water	G'Water	G'Water	G'Water	G'Water	G'Water	G'Water
Water Depth (m)						1.92	0.70	1.01	1.96	4.07	0.93	2.64	3.20	2.47	1.84	2.00	2.53
Date Sampled / Analysed						June 2001				September 2001							
Determinand																	
Aluminium (Soluble)	ug/l	50		200		170.00	1300.00	110.00	200.00	30.00	60.00	60.00	16000.00	830.00	140.00	40.00	50.00
Arsenic (Soluble)*	µg/l	10	50			10	12.00	10	10	10	10	10	94.00	10	10	10	10
Cadmium (Soluble)	µg/l	5	5		Note 3	5	5	5	5	5	5	5	5	5	5	5	5
Calcium (Soluble)*	mg/l	NS		250		57.00	76.00	140.00	100.00	110.00	120.00	96.00	11.00	55.00	97.00	150.00	110.00
Chromium (Soluble)	µg/l	10	5		Note 2	10	10	10	37.00	10	10	10	10	10	10	10	10
Copper (Soluble)	µg/l	10	1		Note 2	21.00	10	10	22.00	10	10	10	96.00	14.00	10	10	10
Iron (Soluble)	mg/l	0.01	1			0.20	0.47	0.05	0.13	0.03	0.04	0.03	4.10	0.69	0.10	0.02	0.03
Lead (Soluble)	µg/l	10			Note 2	10	10	10	10	10	10	10	16.00	10	10	10	10
Magnesium (Soluble)*	mg/l	0.01		50		11.00	15.00	22.00	71.00	30.00	35.00	31.00	0.77	11.00	23.00	29.00	60.00
Manganese (Soluble)*	ug/l	10		50		1100.00	1300.00	10.00	60.00	960.00	260.00	10.00	40.00	100.00	70.00	490.00	1700.00
Nickel (Soluble)	µg/l	10	50		Note 2	10	10	10	10	10	10	10	170.00	10	19.00	10.00	10
Potassium (Soluble)*	mg/l	NS				3.00	5.80	7.20	2.40	5.50	7.00	3.50	180.00	2.90	8.90	6.40	2.50
Sodium (Soluble)*	mg/l	NS				36.00	22.00	13.00	15.00	18.00	58.00	130.00	96.00	23.00	23.00	15.00	15.00
Silicon (Soluble)*	mg/l	NS				4.40	6.00	2.90	4.50	1.50	2.50	2.30	15.00	6.70	6.30	2.00	6.20
Zinc (Soluble)	µg/l	10	8		Note 3	10	10	10	10	13.00	16.00	21.00	51.00	15.00	15.00	91.00	10
Sulphate as SO4	g/l	NS				0.06	0.10	0.12	0.09	0.14	0.23	0.20	0.03	0.04	0.28	0.39	0.08
Sulphate as SO3	g/l	NS															
Alkalinity as CaCO3	mg/l	NS				150.00	180.00	160.00	230.00	200.00	250.00	40.00	530.00	140.00	90.00	96.00	200.00
Ammonia as N	mg/l	0.5	0.015			0.50	0.5	0.5	1.10	0.5	0.5	0.5	13.00	0.5	0.5	0.5	0.5
Chloride as Cl-	mg/l	4				30.00	31.00	13.00	57.00	21.00	26.00	260.00	89.00	28.00	43.00	21.00	51.00
Electrical Conductivity	µS/cm	NS				410.00	500.00	620.00	770.00	670.00	880.00	1200.00	2100.00	410.00	690.00	830.00	890.00
Nitrate as N*	mg/l	NS		50		0.73	0.27	0.21	19.00	0.52	0.24	11.00	0.05	2.40	2.90	3.60	31.00
Nitrite as N*	ug/l	NS		100		10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	30.00	210.00
Total Org.Carbon (Filt)*	mg/l	NS				110.00	20.00	8.10	7.90	7.00	12.00	7.70	31.00	13.00	11.00	8.60	16.00
Total Oxidised Nitrogen*	mg/l	NS				0.73	0.27	0.21	19.00	0.53	0.24	11.00	0.05	2.40	2.90	3.70	31.00
pH (acid)	pH units	NS	0														
pH (alkaline)	pH units	NS	9			6.90	6.70	6.90	7.00	7.50	7.20	6.80	> 12.0	7.10	7.20	6.70	7.40
TPH by GC (C6 - C10)*	µg/l	100															
TPH by GC (C10 - C20)*	µg/l	100															
TPH by GC (C20 - C40)*	µg/l	100															
TPH by GC (C6 - C40)*	µg/l	100															

Note 1: EQS values are derived for surface water and are protective of invertebrate or fish life. Concentrations given in ug/

Note 2: The EQS range for chromium, lead, copper and zinc varies according to different water hardness. As the hardness of the receiving waters is not known, the lowest (most stringent) value has been used.

Note 3: For zinc and cadmium, the EQS value relates to total concentration

denotes concentration equal to or greater than screening value

NS denotes note specified

[illegible]

[illegible]

[illegible]

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0050: Lead - as Pb, ug/l	0061: pH, PHUNITS	0062: Cond @ 20C, uS/cm	0076: Temp Water, CEL	0077: Cond @ 25C, uS/cm	0099: C - Organic, mg/l	0105: Mercury - Hg, ug/l	0108: Cadmium - Cd, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.4	7.24	1110	2		2.6	0.01	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	1.07	7.3	1050	6.5			0.01	0.1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.536	7.27	994	9			0.01	0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.81	7.32	1120	8			0.01	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	2	7.23		11.7	1220		0.01	0.1
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	2.39	7.54	546	10			0.01	0.1
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1.16	7.42	549	10.5			0.01	0.1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1.98	7.59	559	11			0.016	0.1
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	2	7.5		10.6	658		0.01	0.1
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.4	7.24	1110	2		2.6	0.01	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	1.07	7.3	1050	6.5			0.01	0.1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.536	7.27	994	9			0.01	0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.81	7.32	1120	8			0.01	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	2	7.23		11.7	1220		0.01	0.1
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.4	7.48	5040	17.6		0.037	0.1	0.662
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.736	7.46	3820	14.7		0.01	0.1	0.574
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04		7.2		16.3				
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	7.55	5350	16.3		0.01	1	0.793
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.544	7.55	5410	15		0.016	0.1	0.743
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	2	7.44	5330	16.3		0.019	0.1	0.694
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	2			13.7		0.01	0.1	0.698
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04		7.3		13.7	6000			
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	2.12	8.41	381		13.1	0.01	0.592	0.03
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.51	7.13	1080	0.002	12.4	0.01	0.288	0.03
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	2	7.11	1010	0.001	13.5	0.013	0.29	0.03
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	2				11.9	0.01	0.26	0.03
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.4	7.52	1580	15.8		0.014	0.1	0.286
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.4	7.59	1620	13.3		0.01	0.1	0.22
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07		7.2		14.8				
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.4	7.46	1610	14.8		0.01	0.1	0.339
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.4	7.49	1610	14.4		0.01	0.1	0.31
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	3.8	7.47	1610	14.8		0.031	0.1	0.292
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	2			12.9		0.01	0.1	0.295
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07		7.1		12.9	1840			
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.4	7.26	1940		11.1	0.01	0.103	0.03
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.814	7.26	1960		10.6	0.01	0.221	0.03
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	3.9	7.63	1910	0.001	16	0.025	0.18	0.086
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	2				6.4	0.01	0.1	0.03

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0111: Ammonia(N), mg/l	0116: N Oxidised, mg/l	0117: Nitrate-N, mg/l	0118: Nitrite-N, mg/l	0158: Hardness, mg/l	0162: Alky pH 4_5, mg/l	0171: Bromide Ion, mg/l	0172: Chloride Ion, mg/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	28.9	28.9	0.004	624	307	0.209	66.8
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	7.85	7.85	0.004	597	324	0.232	68.9
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	4.75	4.75	0.004	580	309	0.167	75.4
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	30.2	30.2	0.004	611	399	0.183	62.7
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	19.5	19.5	0.0063	631	277	0.217	64
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.036	0.2	0.196	0.004	296	221	0.071	21.6
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.03	0.265	0.261	0.004	293	284	0.074	24.1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.0924	0.2	0.189	0.0111	298	264	0.07	24.8
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.2	0.196	0.004	308	229	0.099	28.8
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	28.9	28.9	0.004	624	307	0.209	66.8
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	7.85	7.85	0.004	597	324	0.232	68.9
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	4.75	4.75	0.004	580	309	0.167	75.4
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	30.2	30.2	0.004	611	399	0.183	62.7
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.03	19.5	19.5	0.0063	631	277	0.217	64
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.196	0.004	785	220	1.47	1590	0.005
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.196	0.004	570	306	1.06	1120	0.005
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04								
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.196	0.004	873	238	1.33	1670	0.005
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.196	0.004	802	209	1.51	1630	0.005
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.196	0.004	831	220	1.58	1720	0.005
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.196	0.004	832	214	1.53	1660	0.005
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04								
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	8.32	8.31	0.0146	527	354	0.152	80.8	0.005
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	8.47	8.47	0.004	519	335	0.133	70.9	0.005
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	9.44	9.44	0.004	470	309	0.145	66.9	0.005
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	8.11	8.11	0.004	527	298	0.145	65.8	0.005
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.2	0.196	0.004	402	273	0.499	224	0.005
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	11.8	11.7	0.0553	469	239	0.53	98.2	0.005
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07								
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.2	0.196	0.004	396	260	0.488	234	0.005
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.2	0.196	0.004	404	268	0.515	232	0.005
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.2	0.196	0.004	422	260	0.502	233	0.005
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.2	0.196	0.004	410	239	0.536	259	0.005
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07								
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	6.83	6.83	0.004	1460	333	0.102	62.8	0.005
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	6.82	6.82	0.004	1340	289	0.103	59	0.005
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	5.36	5.33	0.0324	1230	270	0.112	72	0.005
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	7	6.88	0.12	1180	260	0.102	58.4	0.005

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0175: Cyanide - CN, mg/l	0177: Fluoride - F, mg/l	0180: Orthophosphat, mg/l	0182: SiO2 Rv Filt, mg/l	0183: Sulphate SO4, mg/l	0207: Sodium - Na, mg/l	0211: Potassium- K, mg/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.172	0.068	8.5	197	19.3	7.24
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.201	0.073	7.81	250	18.8	6.66
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.19	0.02	7.62	243	16.7	4.62
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.19	0.0253	9.59	191	20.3	8.68
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.173	0.028	9.36	225	18.9	7.02
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.217	0.02	8.26	75.8	12.9	4.27
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.21	0.02	8.32	82.8	13.3	4.1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.185	0.02	8.74	77.9	13.9	4.35
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.198	0.02	8.48	94	17.9	4.43
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.172	0.068	8.5	197	19.3	7.24
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.201	0.073	7.81	250	18.8	6.66
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.19	0.02	7.62	243	16.7	4.62
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.19	0.0253	9.59	191	20.3	8.68
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.173	0.028	9.36	225	18.9	7.02
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1.94		0.02	8.41	346	908	13.9
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1.93		0.02	8.69	344	607	10.7
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	2.05		0.02	9.13	366	961	14
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1.98		0.02	8.51	353	964	14.4
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	2.02		0.02	8.98	360	921	15.4
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	2.05	0.0123	0.02	8.73	342	899	16.3
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.22		0.0487	15.9	219	59.5	10.3
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.27		0.0305	15.8	213	55.9	9.36
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.27		0.032	16.1	177	49.1	9.1
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.278	0.003	0.025	15	197	54	9.46
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1.96		0.02	9.89	293	228	7.46
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1.99		1.44	10.2	365	232	7.38
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	2.05		0.02	10.4	284	230	7.26
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1.95		0.02	10.3	306	225	7.27
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	2.04		0.02	10.3	333	226	7.81
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	2.12	0.006	0.02	9.41	281	226	7.43
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.16		0.0252	27.5	1080	39.2	14.8
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.24		0.02	29	998	34.4	13.6
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.207		0.02	27.9	929	41.4	15.5
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.183	0.003	0.02	27.7	796	37.4	12.4

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0237: Magnesium-Mg, mg/l	0241: Calcium - Ca, mg/l	0301: C - Org Filt, mg/l	0483: Aldrin, ug/l	0487: HCH Alpha, ug/l	0491: HCH Beta, ug/l	0495: HCH Delta, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	57	156					
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	49.7	157	1.96				
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	46.3	156	2.83	0.001	0.0021	0.0021	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	54.9	154	6.08				
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	56.2	160	1.63	0.001	0.003	0.003	0.001
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	31.6	66.5	0.78				
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	31.3	65.7	1.23	0.003	0.006	0.006	0.003
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	31.6	67.4	2.2	0.001	0.0021	0.0021	0.001
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	33	69.1	0.42	0.001	0.003	0.003	0.001
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	57	156					
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	49.7	157	1.96				
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	46.3	156	2.83	0.001	0.0021	0.0021	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	54.9	154	6.08				
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	56.2	160	1.63	0.001	0.003	0.003	0.001
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	53.6	226	0.53	0.01	0.004	0.002	0.004
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	40.9	161	1.18	0.01	0.004	0.002	0.004
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	59.2	252	1.02	0.01	0.004	0.002	0.004
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	52.3	235	1.67	0.01	0.004	0.002	0.004
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	57.4	238	0.37	0.011	0.004	0.002	0.004
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	57.1	239	0.35	0.01	0.004	0.002	0.004
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	35.1	153	2.97				
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	33.3	153	4.98	0.001	0.0021	0.0021	0.001
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	31.8	136	2.31	0.001	0.0021	0.0021	0.001
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	35.2	153	2.43				
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	27.8	115	0.75	0.01	0.004	0.002	0.004
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	28.9	140	1.75	0.012	0.005	0.002	0.005
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	27	114	1.16	0.01	0.004	0.002	0.004
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	26.5	118	2.68	0.01	0.004	0.002	0.004
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	28.5	122	0.29	0.01	0.004	0.002	0.004
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	28.1	118	0.37	0.015	0.006	0.003	0.006
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	92.1	432	2.32				
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	79.4	407	2.99	0.001	0.0021	0.0021	0.001
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	83.1	356	1.1	0.001	0.0021	0.0021	0.001
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	79.6	341	1.19				

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0499: HCH Gamma, ug/l	0503: Chlorfenvphs, ug/l	0507: Dichlorvos, ug/l	0511: Dieldrin, ug/l	0527: Heptachlor, ug/l	0535: Malathion, ug/l	0539: DDT (OP'), ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.01	0.004			0.002	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.0022	0.011	0.004	0.001	0.001	0.002	0.003
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.01	0.004			0.002	
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.003	0.01	0.004	0.001	0.001	0.002	0.003
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06							
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.006	0.01	0.004	0.003	0.003	0.002	0.008
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.0022	0.01	0.004	0.001	0.001	0.002	
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.003	0.01	0.004	0.001	0.001	0.002	0.003
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.01	0.004			0.002	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.0022	0.011	0.004	0.001	0.001	0.002	0.003
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.01	0.004			0.002	
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.003	0.01	0.004	0.001	0.001	0.002	0.003
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.019	0.002	0.016	0.017	0.01	0.01	0.016
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.01	0.002	0.01	0.01	0.01	0.01	0.01
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	0.002	0.02	0.02	0.02	0.02	0.02
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04		0.002					
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.01	0.002	0.01	0.01	0.01	0.02	0.01
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.011	0.002	0.011	0.011	0.011		0.011
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.0022	0.01	0.004	0.001	0.001	0.002	0.003
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.0022	0.012	0.005	0.001	0.001	0.002	0.003
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		0.01	0.004			0.002	
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.019	0.002	0.02	0.02	0.01	0.01	0.016
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.01	0.002	0.01	0.01	0.01	0.01	0.01
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	0.002	0.02	0.02	0.02	0.02	0.02
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	0.002	0.02	0.02	0.02	0.02	0.02
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.01	0.002	0.01	0.01	0.01	0.02	0.01
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.011	0.003	0.011	0.011	0.011		0.011
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.0022	0.01	0.004	0.001	0.001	0.002	0.003
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.0022	0.012	0.005	0.001	0.001	0.002	0.003
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		0.01	0.004			0.002	

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0543: Parathion, ug/l	0551: DDE (PP'), ug/l	0555: DDT (PP), ug/l	0559: TDE (PP), ug/l	0562: Endrin, ug/l	0569: EndosulphanA, ug/l	0570: EndosulphanB, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004						
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.001	0.001	0.001	0.003	0.001	0.002
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004						
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.001	0.001	0.001	0.003	0.001	0.002
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06							
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.004	0.003	0.003	0.003	0.007	0.003	0.006
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.004	0.001		0.001	0.003	0.001	0.002
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.004	0.001	0.001	0.001	0.003	0.001	0.002
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004						
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.001	0.001	0.001	0.003	0.001	0.002
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004						
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.001	0.001	0.001	0.003	0.001	0.002
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.008	0.003			0.003
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.008	0.003			0.003
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04					5	1	
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.2	0.008	0.003			0.003
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.1	0.008	0.003			0.003
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.009	0.003			0.003
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.008	0.003			0.003
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.004	0.001	0.001	0.001	0.003	0.001	0.002
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.005	0.001	0.001	0.001	0.003	0.001	0.002
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.004						
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.008	0.003			0.003
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.009	0.004			0.004
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					5	1	
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.2	0.008	0.003			0.003
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.1	0.008	0.003			0.003
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.008	0.003			0.003
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.012	0.004			0.004
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.004	0.001	0.001	0.001	0.003	0.001	0.002
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.005	0.001	0.001	0.001	0.003	0.001	0.002
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.004						

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0573: TDE (OP), ug/l	0576: Hexachlorbnz, ug/l	0577: Chlrdn-cs/Z/ ug/l	0578: Chlordane-tr, ug/l	0579: Methoxychlor, ug/l	0581: DDE (OP'), ug/l	0714: B-_ghi_-pery, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.019
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001	
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001	
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06							
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.003	0.003	0.003	0.003	0.003	0.003	
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.001	0.001	0.001	0.001	0.001	
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.001	0.001	0.001	0.001	0.001	
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.019
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001	
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001	
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.003	0.004	0.04	0.04	3.75	7.4	0.1
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.003	0.004	0.04	0.04	1.65	8	0.1
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.003	0.004	0.04	0.04	5	7.2	0.1
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.003	0.004	0.04	0.04	0.5	7	0.1
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.003	0.004	0.04	0.04	0.6	7.3	0.1
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.003	0.004	0.04	0.04	0.5	7.3	0.1
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.001	0.001	0.001	0.001	0.02
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.001	0.001	0.001	0.001	0.01
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							0.01
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.003	0.004	0.04	0.04	0.5	7.4	0.1
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.004	0.005	0.04	0.04	0.5	8.1	0.1
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.003	0.004	0.04	0.04	0.5	7.2	0.1
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.003	0.004	0.04	0.04	0.5	7.5	0.1
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.003	0.004	0.04	0.04	0.5	7.6	0.1
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.004	0.006	0.04	0.04	0.6	7.1	0.1
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.001	0.001	0.001	0.001	0.02
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.001	0.001	0.001	0.001	0.01
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							0.01

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	0723: Diazinon, ug/l	0731: B-_b_-fluora, ug/l	0733: B-_k_-fluora, ug/l	0736: Fluoranthene, ug/l	0746: Ind123pyrene, ug/l	0772: B-(a)-anthra, ug/l	1049: Carbon Tet, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.016	0.017	0.01	0.01	0.016	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002						0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.02	0.02	0.02	0.02	0.02	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002						0.1
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06							0.1
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.002						0.1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.002						0.1
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.002						0.1
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.016	0.017	0.01	0.01	0.016	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002						0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.02	0.02	0.02	0.02	0.02	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002						0.1
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	1	0.1	0.1	0.1	0.1	0.1
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	1	0.1	0.1	0.1	0.1	0.1
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	1	0.0012	0.06	0.06	0.1	0.1
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	1	0.01	0.06	0.06	0.1	0.1
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	1	0.1	0.1	0.1	0.1	0.1
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.1	0.1	0.1	0.1	0.1	0.1
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	0.02	0.02	0.02	0.02	0.02	0.1
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	0.01	0.01	0.01	0.02	0.01	0.1
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	0.01	0.01	0.01		0.01	0.1
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	1	0.1	0.1	0.1	0.1	0.1
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	1	0.1	0.1	0.1	0.1	0.1
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	1	0.0012	0.06	0.06	0.1	0.1
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	1	0.01	0.06	0.06	0.1	0.1
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	1	0.1	0.1	0.1	0.1	0.1
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.1	0.1	0.1	0.1	0.1	0.1
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	0.02	0.02	0.02	0.02	0.02	0.1
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	0.01	0.01	0.01	0.02	0.01	0.1
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	0.01	0.01	0.01		0.01	0.1

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	1085: Pentachlrphl, ug/l	1118: Fenthion, ug/l	1119: ParathionMyl, ug/l	3001: Simazine, ug/l	3002: Atrazine, ug/l	3009: Terbutryne, ug/l	3117: Isoproturon, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.008	0.003	0.003	0.003	0.004	0.05
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.009	0.003	0.003	0.003	0.004	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.008	0.003	0.003	0.003	0.004	0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.008	0.003	0.003	0.003	0.004	0.04
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06							0.04
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.008	0.003	0.003	0.003	0.004	0.04
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.008	0.003	0.003	0.003	0.004	0.04
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.008	0.003	0.003	0.003	0.004	0.04
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.008	0.003	0.003	0.003	0.004	0.05
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05							0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.009	0.003	0.003	0.003	0.004	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.008	0.003	0.003	0.003	0.004	0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.008	0.003	0.003	0.003	0.004	0.04
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	0.02	0.1		0.05	0.043	0.043
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	0.02	0.1		0.05	0.046	0.046
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.2	0.1		0.08	0.04	0.04
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.1	0.1		0.08	0.04	0.04
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02		0.1		0.05	0.04	0.04
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	0.02	0.1	0.04	0.043	0.043	0.043
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.008	0.003	0.004	0.04	0.04	0.001
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.009	0.004	0.005	0.04	0.04	0.001
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.008	0.003	0.004	0.04	0.04	
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	0.02	0.1		0.05	0.046	0.046
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	0.02	0.1		0.05	0.044	0.044
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.2	0.2	0.1		0.08	0.04	0.04
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.1	0.1		0.08	0.04	0.04
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02		0.1		0.05	0.042	0.042
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	0.02	0.1	0.04	0.043	0.043	0.043
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.008	0.003	0.004	0.04	0.04	0.001
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.01	0.004	0.005	0.04	0.04	0.001
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.008	0.003	0.004	0.04	0.04	

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	3118: Linuron, ug/l	3119: Propachlor, ug/l	3164: Chromium -Cr, ug/l	3169: pH in-situ, PHUNITS	3268: 1,1,1-TCE, ug/l	3269: 11DCIEthan, ug/l	3272: 1,2-DCE, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05		0.636	7.2	0.1	1	1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.519	7.4	0.1		1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001	0.5	6.4	0.1	0.1	1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.608	7.7	0.1	0.1	1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001	0.5	7.4	0.1	0.1	0.1
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04		0.5	7.4	0.1		1
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.003	0.5	7.9	0.1	1	1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.001	4.08	7.6	0.1	0.1	1
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.001	0.5	7	0.1	0.1	0.1
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05		0.636	7.2	0.1	1	1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.519	7.4	0.1		1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001	0.5	6.4	0.1	0.1	1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.608	7.7	0.1	0.1	1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001	0.5	7.4	0.1	0.1	0.1
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.043	0.043	0.043	0.043	0.1	0.1
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.05	0.046	0.046	0.046	0.046	0.1	0.1
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.09	0.04	0.07	0.04	0.1	1
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.09	0.04	0.07	0.04	0.1	2
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.04	0.04	0.1	1
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.043	0.043	0.043	0.043	0.043	0.1	0.1
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7.2					
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7	1.27	0.538	1	0.01	0.06
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7.1	0.86	0.45	1	0.1	0.1
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7.2	1.91	0.69	0.1	0.1	0.1
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.05	0.046	0.046	0.046	0.046	0.1	0.1
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.044	0.044	0.044	0.044	0.1	0.1
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.09	0.04	0.07	0.04	0.1	1
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.09	0.04	0.07	0.04	0.1	2
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.042	0.042	0.042	0.042	0.042	0.1	1
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.043	0.043	0.043	0.043	0.043	0.1	0.1
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7.2					
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7.3	0.1	0.1	1	0.01	0.06
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7.5	0.1	0.1	1	0.1	0.1
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.5	7.1	0.1	0.1	0.1	0.1	0.1

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	3282: BROMO-DCM, ug/l	3283: Bromoform, ug/l	3292: Chlordbrmthn, ug/l	3328: TetClEthene, ug/l	3334: Trichloroeth, ug/l	3342: 4Cl3MePhenol, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1	0.1	0.02
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05	0.2	0.1	0.1	0.1	
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.06	0.06	0.1	0.1	
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.06	0.06	0.1	0.1	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1	0.1	
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.05	0.2	0.1	0.1	0.1	
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.1	0.1	0.1	0.1	0.1	
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.01	0.06	0.06	0.1	0.1	
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.1	0.1	0.1	0.1	0.1	
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1	0.1	0.02
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05	0.2	0.1	0.1	0.1	
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.06	0.06	0.1	0.1	
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.06	0.06	0.1	0.1	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1	0.1	
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.06	0.043	0.043	0.04	0.04	0.05
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.06	0.046	0.046	0.04	0.04	0.05
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.04	0.04	0.04
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.04	0.04	0.04
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.04	0.04	0.04
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.043	0.043	0.043	0.04	0.04	0.043
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT						
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.06	0.1	0.486	0.1	0.1	0.117
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.28	0.02		0.24
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.68	0.02	0.02	0.14
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.06	0.046	0.046	0.04	0.04	0.05
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.06	0.044	0.044	0.04	0.04	0.05
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04	0.04	0.04	0.04
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04	0.04	0.04	0.04
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.042	0.042	0.042	0.04	0.04	0.042
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.043	0.043	0.043	0.04	0.04	0.043
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT						
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.06	0.1	0.1	0.1	0.1	0.1
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.1	0.02		0.1
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.1	0.02	0.02	0.1

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	3549: Mecoprop, ug/l	3550: Dicamba, ug/l	3551: Dichlorprop, ug/l	3552: Fenoprop, ug/l	3555: Triclopyr, ug/l	3781: Benzene, ug/l	3784: Toluene, ug/l	3790: MCPB, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.06
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	3	4	0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.09	0.04	0.07	0.04	0.1	2	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.523	0.04	0.07	0.04	0.1	2	0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.1	0.1	0.04
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.04	0.04	0.04	0.04	3	4	0.04
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.05	0.047	0.047	0.047	0.047	0.1	0.1	0.06
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.09	0.04	0.07	0.04	0.1	2	0.04
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.04	0.04	0.04	0.04	0.1	0.1	0.04
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.06
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	3	4	0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.09	0.04	0.07	0.04	0.1	2	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.523	0.04	0.07	0.04	0.1	2	0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.1	0.1	0.04
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1		1.24	1	45	1320	1	10
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	2.5	3.49	1	32.6	1100	1	22.9
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04								
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	2.5	1	1	55.1	1330	1	10
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	2.5	1	1	44.8	1260	1	10
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	2.5	1.1	1	49	1320	1	10
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	2.5	1.1	1	46	1290	1	10
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04								
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.09	0.04	0.07	0.04			0.04	0.04
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.09	0.04	0.07	0.04	0.1	2	0.04	0.04
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.048	0.048	0.048	0.048	0.1	1	0.048	0.048
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.1	0.1	0.04	0.04
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1		1.54	1	26.4	901	1	10
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	2.5	1.73	1	32.5	1480	1	10
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07								
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	2.5	1.3	1	29.2	1340	1	10
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	2.5	1.12	1	30.2	1430	1	10
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	2.5	5.5	1	39	3110	1	23
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	2.5	2.3	1	29	1390	1	10
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07								
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.09	0.04	0.07	0.04			0.04	0.04
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.09	0.04	0.07	0.04	0.1	2	0.04	0.04
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.1	1	0.04	0.04
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.1	0.1	0.04	0.04

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	3791: 2,4-DB, ug/l	3792: Benazolin, ug/l	3811: Diuron, ug/l	3925: Monolinuron, ug/l	4064: Fluoroxypyr, ug/l	4065: Bentazone, ug/l	4117: Ethylbenzene, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.04	0.04		0.04	10
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04		0.04	0.04		0.04	10
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.047	0.047	0.04	0.04	0.05	0.047	0.1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.04	0.04		0.04	10
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.04	0.04	0.04	0.04	0.04	0.1
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	100		1	31	5990	160
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	100	4.49	1	25.2	4960	120
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	100	4.53	2	12.8	6040	185
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	100	4.26	2	31.8	6330	171
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	100	19.7	2	33.1	6140	100
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	100	15.9	2	31.7	6000	150
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.04			0.04	0.04	1	
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.04		0.1
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.048	0.04	0.04	0.048	0.048		0.1
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.04		0.1
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	100		1	14.5	2840	80.4
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	100	3.99	1	17.2	2970	80
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	100	3.71	2	11.7	2660	100
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	100	3.72	2	14.7	2780	100
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	100	12.5	2	19.6	2950	100
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	100	7.3	2	15	2870	100
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04			0.04	0.04	1	
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.04		0.1
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.04		0.1
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.04	0.04	0.04		0.1

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	5558: 3,5-Xylenol, ug/l	5560: p-Cresol, ug/l	5561: m-Cresol, ug/l	5562: o-Cresol, ug/l	5563: Prometryn, ug/l	6030: Silver - Ag, ug/l	6040: Tin - as Sn, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.02	0.02	0.02	0.005	1	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05						1	
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05					0.005	1	2.5
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1	0.005	1	2.5
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05					0.005	1	2.5
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06						1	
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06					0.005	1	2.5
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06					0.005	1	2.5
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06					0.005	1	2.5
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.02	0.02	0.02	0.005	1	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05						1	
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05					0.005	1	2.5
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1	0.005	1	2.5
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05					0.005	1	2.5
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04		0.018	0.006	0.005	0.043	1.62	5.17
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	0.01	0.006	0.005	0.046	12.5	24.5
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	0.02	0.006	0.005	0.04	2.93	10.4
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1		0.006	0.005	0.04	1.31	5
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	0.01	0.007	0.005	0.04	2.1	5
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	0.011	0.006	0.005	0.043	1.8	5
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT						1	2.5
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.1	0.1	0.005	1	2.5
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.02		0.006	1	2.5
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.02	0.02	0.005	1	2.5
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07		0.018	0.006	0.005	0.046	1.11	6.07
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.01	0.007	0.006	0.044	2.06	5
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.02	0.006	0.005	0.04	1.71	5
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.02	0.006	0.005	0.04	7.74	5
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.01	0.006	0.005	0.042	7.7	14.9
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.011	0.009	0.007	0.043	1.4	5
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT						1	2.5
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.1	0.1	0.005	1	2.5
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.02		0.006	1	2.5
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.02	0.02	0.005	1	2.5

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	6046: Arsenic - As, ug/l	6049: Selenium -Se, ug/l	6050: Manganse-Mn, ug/l	6051: Iron - as Fe, ug/l	6054: Cobalt - Co, ug/l	6057: Aluminium-Al, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	3.66	1	244	917	3.52	10
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	4.99	1	251	822	3.44	10
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	3.47	1	254	894	3.7	10
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	7.3	1	293	959	4.3	10
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	10	30	1	10
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	5		0.004		1	1
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	7.85	1.21	0.004		1	1
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04				3		
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	5	1.28	0.004		0.016	0.1
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	5	1.13	0.004		0.1	0.1
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	5	0.5	0.004		0.1	0.1
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	5	1.3	0.004		0.1	0.1
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	1	90.1	30	2.39	10
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	1	128	30	1.37	10
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	1	76	30	1.6	10
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	1	93	36	1.6	10
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	5		0.004		1	1
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	5	0.736	0.005		1	1
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07				3		
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	10.4	0.656	0.004		0.016	0.1
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	5	0.625	0.004		0.1	0.1
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	34.1	1.2	0.004		0.1	0.1
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	5	0.8	0.006		0.1	0.1
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	8.12	1	10	155	1	10
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	5.63	1	10	741	1	10
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	29.6	1	29	5560	1	10
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	5.6	1	10	339	1	10

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	6058: Antimony -Sb, ug/l	6059: Boron - as B, ug/l	6060: Titanium -Ti, ug/l	6061: Vanadium - V, ug/l	6062: Barium - Ba, ug/l	6063: Strontium-Sr, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	151		1	51.5	179
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	125		1	37	183
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	108	2.82	2	21.8	145
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	183	2.97	2	50.7	120
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	175	4.6	2	44.6	129
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1	100		1	46	143
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1	100	1	1	41.7	155
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1	100	2	2	41.2	147
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1	100	2.3	2	47.7	153
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	151		1	51.5	179
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	125		1	37	183
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	108	2.82	2	21.8	145
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	183	2.97	2	50.7	120
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	175	4.6	2	44.6	129
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	0.02	0.02	0.04	0.006	0.005
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	0.02	0.02	0.05	0.006	0.005
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.2	0.2	0.04	0.006	0.005
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.1	0.1	0.04	0.006	0.005
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1		0.02	0.04	0.007	0.005
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.02	0.043	0.006	0.005
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	397	2.76	2	56	858
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	387	2.85	2	50.9	860
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	386	5.7	2	50.8	750
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1	400	5	2	51.3	863
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.02	0.02	0.05	0.006	0.005
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.02	0.02	0.04	0.007	0.006
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.2	0.2	0.04	0.006	0.005
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.1	0.1	0.04	0.006	0.005
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1		0.02	0.042	0.006	0.005
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.02	0.043	0.009	0.007
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	1	306	11.3	15.6	26.2	4660
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	1	265	12.3	12.9	24.7	4460
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	1	277	28.3	24.3	28.5	3860
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	1	261	20	6.3	28.6	3700

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	6064: Lithium - Li, ug/l	6373: Thallium -Tl, ug/l	6399: B-_a_-pyrene, ug/l	6447: Dimethoate, ug/l	6448: Propyzamide, ug/l	6449: Bromoxynil, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	9.62		0.018	0.006	0.005	0.05
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	12.5					0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	100	1		0.006	0.005	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	100	1	0.02	0.006	0.005	0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	100	1		0.006	0.005	0.04
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	16.3					0.04
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	16.4	1		0.006	0.005	0.047
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	100	1		0.006	0.005	0.04
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	100	1		0.006	0.005	0.04
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	9.62		0.018	0.006	0.005	0.05
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	12.5					0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	100	1		0.006	0.005	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	100	1	0.02	0.006	0.005	0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	100	1		0.006	0.005	0.04
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.01	0.008	0.5	0.2	0.01
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.012	0.008	0.5	0.2	0.01
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.01	0.008	0.5	0.1	0.02
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.01	0.008	0.5	0.1	
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.011	0.009	0.5	0.2	0.01
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.01	0.008	0.5	0.28	0.011
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	100	1				0.04
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	100	1	0.02		0.005	0.04
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	100	1	0.01		0.006	0.048
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	100	1	0.01	0.006	0.005	0.04
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.01	0.008	0.5	0.2	0.01
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.006	0.01	0.009	0.5	0.2	0.01
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.028	0.008	0.5	0.1	0.02
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.01	0.008	0.5	0.1	0.02
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.01	0.008	0.5	0.2	0.01
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.007	0.01	0.012	0.5	0.41	0.011
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	100	1				0.04
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	100	1	0.02		0.005	0.04
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	100	1	0.01		0.006	0.04
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	100	1	0.01	0.006	0.005	0.04

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	6452: Copper - Cu, ug/l	6455: Zinc - as Zn, ug/l	6462: Nickel - Ni, ug/l	6473: Uranium - U, ug/l	6487: Triazophos, ug/l	6534: 1,1,1,2 -TET, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	4.27	16.2	5		0.004	1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	13.7	36.9	5			0.1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	13.1	35.5	5	10.4	0.004	0.02
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	10.3	45.8	5	1.66	0.004	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	29.9	43.9	5	3.6	0.004	0.1
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	3.35	420	7.53			0.1
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.625	393	5	1.52	0.004	1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.766	428	5	1.39	0.004	0.02
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1	486	5.2	1.2	0.004	0.1
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	4.27	16.2	5		0.004	1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	13.7	36.9	5			0.1
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	13.1	35.5	5	10.4	0.004	0.02
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	10.3	45.8	5	1.66	0.004	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	29.9	43.9	5	3.6	0.004	0.1
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007	1	0.005	0.09	-0.809
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007		0.005	0.06	-8.19
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007		0.005	0.12	0.107
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007		0.005		0.717
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.008		0.005	0.07	-2.85
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007		0.005		-1.81
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	9.33	6.38			5	
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	4.89	5	127	30	5	0.004
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	5.2	6.3	72	30	5	0.005
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	5.2	5			5	0.004
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007	1	0.005	0.097	0.694
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.008		0.006	0.06	10.3
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007		0.005	0.12	1.06
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007		0.005	0.12	-0.657
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007		0.005	0.07	-0.664
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.01		0.007		0.772
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	4.69	7.79			5	
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	12.8	19.9	10	168	5	0.004
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	38.2	48.1	26	855	5	0.005
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	4.3	5			5	0.004

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	6538: c12DCIEthe, ug/l	6539: t12DCEe, ug/l	6569: 2,6-Xylenol, ug/l	6577: 3,4 Xylenol, ug/l	6615: Chlorothalnl, ug/l	6620: Clopyralid, ug/l	6628: Cyanazine, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	0.02	0.02		0.05	0.006
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05					0.02	0	
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1			0.002	0.04	0.006
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1		0.04	0.006
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1			0.001	0.04	0.006
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06					0.02	0	
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	1	1			0.04	0.05	0.006
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.1	0.1			0.02	0.04	0.006
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.1	0.1			0.001	0.04	0.006
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	1	1	0.02	0.02		0.05	0.006
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05					0.02	0	
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1			0.002	0.04	0.006
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1	0.1	0.1		0.04	0.006
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.1			0.001	0.04	0.006
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007	0.005	0.001	0.001	0.01	0.01
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007	0.005	0.001	0.001	0.01	0.01
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007	0.005	0.001	0.001	0.02	0.02
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007	0.005	0.001	0.001		
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.008	0.005	0.001	0.001	0.01	0.021
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007	0.005	0.001	0.001	0.011	0.011
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							0.04
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.929	0.1	0.1	0.1	0.001	0.04
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.84	0.1		0.02	0.001	0.048
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	1.08	0.1	0.02	0.02		0.04
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007	0.005	0.001	0.001	0.01	0.01
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.008	0.006	0.001	0.001	0.01	0.01
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007	0.005	0.001	0.001	0.02	0.02
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007	0.005	0.001	0.001	0.02	0.02
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007	0.005	0.001	0.001	0.01	0.021
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.01	0.007	0.001	0.001	0.011	0.011
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							0.04
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.1	0.1	0.1	0.001	0.04
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.1		0.02	0.001	0.04
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.1	0.02	0.02		0.04

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	6635: Desmetryne, ug/l	6640: Fenchlorphos, ug/l	6644: Flutriafol, ug/l	6648: HEXACHLORO 1, ug/l	6649: lprodione, ug/l	6656: MTBE, ug/l	6716: m-p-Xylene, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.01		0.008	0.5	0.2
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005		0.01				3
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.01	0.003	0.009	0.5	0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005			0.008	0.5	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.01	0.003	0.008	0.5	0.2
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005		0.01				3
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.005	0.011	0.008	0.008	0.5	0.2
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.005	0.01	0.003	0.008	0.5	0.1
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.005	0.01	0.003	0.008	0.5	0.2
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.01		0.008	0.5	0.2
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005		0.01				3
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.01	0.003	0.009	0.5	0.1
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005			0.008	0.5	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.01	0.003	0.008	0.5	0.2
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04		0.043	0.01	0.01	0.01	0.01	0.02
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	1	0.046	0.01	0.01	0.01	0.01	0.02
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.01	0.15	0.02	0.02	0.02	0.02	0.02
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.5	0.15					0.02
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.04	0.01	0.01	0.01	0.01	0.022
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.5	0.043		0.011	0.011	0.011	0.02
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.006	0.005	0.005	0.01	0.003	0.008	0.5
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.007	0.006	0.006	0.011	0.003	0.009	0.5
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.006	0.005	0.005	0.01		0.008	0.5
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07		0.046	0.01	0.02	0.01	0.01	0.02
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	1	0.044	0.01	0.01	0.01	0.01	0.024
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.01	0.15	0.02	0.02	0.02	0.02	0.02
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.5	0.15	0.02	0.02	0.02	0.02	0.02
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.042	0.01	0.01	0.01	0.01	0.02
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.5	0.043		0.011	0.011	0.011	0.03
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.006	0.005	0.005	0.01	0.003	0.008	0.5
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.007	0.006	0.006	0.011	0.003	0.01	0.5
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.006	0.005	0.005	0.01		0.008	0.5

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	6753: Anthracene, ug/l	6760: Chloridazon, ug/l	6776: Fenpropimrph, ug/l	6906: TETRACHLOROE, ug/l	6976: Napropamide, ug/l	6982: PAHs, ug/l	7016: Bromate, mg/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.05	0.007	1	0.005	0.09	0.0005
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04			0.005		0.0005
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.007		0.005		0.0005
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.04	0.007		0.005	0.12	0.0005
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.007		0.005		0.0005
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.04			0.005		0.0005
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.04	0.007		0.005		0.0005
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.04	0.007		0.005		0.0005
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.04	0.007		0.005		0.0005
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.05	0.007	1	0.005	0.09	0.0005
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04			0.005		0.0005
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.007		0.005		0.0005
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.04	0.007		0.005	0.12	0.0005
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.007		0.005		0.0005
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.1	0.1	0.1	0.1	0.1	0.1
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.01	0.005	0.0068	0.01	0.005	0.005	0.01
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							0.0005
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.02	0.04	0.007	0.005	0.12	0.0005
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.2	0.01	0.04	0.008	0.006	0.07	0.0005
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.2	0.01	0.04	0.007	0.005		0.0005
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.1	0.1	0.1	0.1	0.1	0.1
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.01	0.005	0.005	0.01	0.005	0.005	0.01
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							0.0005
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.02	0.04	0.007	0.005	0.12	0.0005
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.2	0.01	0.04	0.009	0.006	0.07	0.0005
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.2	0.01	0.04	0.007	0.005		0.0005

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	7044: IonicBalance, %	7053: Methabnztzn, ug/l	7071: Prochloraz, ug/l	7154: ETHOFUMESATE, ug/l	7159: FONOFOS, ug/l	7181: ClPyrphosMe, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	-2.47	0.05	0.007	0.005	0.001	0.001
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	-4.69	0.04	0.007		0.001	0.001
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	-4.82	0.04	0.007	0.005	0.001	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	-8.8	0.04	0.007	0.005	0.001	0.001
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.718	0.04	0.007	0.005	0.001	0.001
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	-0.231	0.04	0.007		0.001	0.001
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	-10.7	0.04	0.007	0.005	0.001	0.001
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	-6.53	0.04	0.007	0.005	0.001	0.001
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	-2.12	0.04	0.007	0.005	0.001	0.001
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	-2.47	0.05	0.007	0.005	0.001	0.001
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	-4.69	0.04	0.007		0.001	0.001
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	-4.82	0.04	0.007	0.005	0.001	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	-8.8	0.04	0.007	0.005	0.001	0.001
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.718	0.04	0.007	0.005	0.001	0.001
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04			0.02	0.005	0.005	0.001
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04			0.02	0.005	0.005	0.001
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.1				
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04			0.02	0.005	0.005	0.001
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04			0.02	0.005	0.005	0.001
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04			0.022	0.005	0.005	0.001
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04			0.02	0.005	0.005	0.001
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.05	0.05				
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	-4.06					
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	-2.57	0.04	0.007	0.005	0.001	0.001
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	-2.69	0.04	0.008	0.006	0.001	0.001
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	2.46	0.04	0.007	0.005	0.001	0.001
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07			0.02	0.005	0.005	0.001
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07			0.024	0.006	0.006	0.001
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.1				
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07			0.02	0.005	0.005	0.001
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07			0.02	0.005	0.005	0.001
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07			0.02	0.005	0.005	0.001
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07			0.03	0.007	0.007	0.001
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.05	0.05				
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	-0.259					
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	-0.00116	0.04	0.007	0.005	0.001	0.001
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	-0.621	0.04	0.009	0.006	0.001	0.001
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	3.25	0.04	0.007	0.005	0.001	0.001

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	7325: PYRENE, ug/l	7395: ACENAPTHEN, ug/l	7531: 1122TetClEth, ug/l	7726: 2,3,6-TBA, ug/l	7864: FLUORENE, ug/l	8310: Chrysene, ug/l	8311: Acenapthylen, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.01		0.05	0.01	0.01	0.01
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05				0.04			
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.2	0.15			
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.02	0.1	0.15	0.02	0.02	0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.5	0.04			
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06				0.04			
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06			1	0.047			
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06			0.2				
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06			0.5	0.04			
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.01		0.05	0.01	0.01	0.01
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05				0.04			
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.2	0.15			
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.02	0.1	0.15	0.02	0.02	0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.5	0.04			
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.043	0.04	0.02	0.02		0.005
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.046	0.04	0.02	0.02		0.005
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						0.1	
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.04	0.04	0.2	0.2		0.005
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.04	0.04	0.1	0.1		0.005
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.04	0.04	0.02			0.005
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.005	0.043	0.04	0.02	0.02		0.005
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						0.005	
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT				0.15			
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.5	0.15	0.02	0.02	0.02
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.014	0.1	0.048	0.01	0.01	0.01
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.01	0.5	0.04		0.01	0.01
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.046	0.04	0.02	0.02		0.005
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.006	0.044	0.04	0.02	0.02		0.006
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						0.1	
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.04	0.04	0.2	0.2		0.005
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.04	0.04	0.1	0.1		0.005
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.005	0.042	0.04	0.02			0.005
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.007	0.043	0.04	0.02	0.02		0.007
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						0.005	
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT				0.15			
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.5	0.15	0.02	0.02	0.02
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.032	0.1	0.04	0.01	0.01	0.01
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.01	0.5	0.04		0.01	0.01

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	8360: Dibenz_ah_an, ug/l	8804: ATrz-ETHYL, ug/l	8864: c-Hept Epox, ug/l	8865: t-Hept Epox, ug/l	8995: 2,3,5,6-TCIT, ug/l	8997: ATrz-ISOPR, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.02				0.02
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.02				0.02
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.021	0.0023	0.003	0.001	0.021
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.02				0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.02	0.003	0.003	0.001	0.02
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.02				0.02
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.02	0.007	0.007	0.003	0.02
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.02	0.0023	0.003		0.02
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.02	0.003	0.003	0.001	0.02
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.02				0.02
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.02				0.02
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.021	0.0023	0.003	0.001	0.021
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	0.02				0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.02	0.003	0.003	0.001	0.02
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.02	0.005	0.008
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.02	0.005	0.008
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.2	0.005	0.008
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.1	0.005	0.008
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04		0.005	0.009
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.04	0.04	0.02	0.005	0.008
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT						
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.0023	0.003	0.001	0.02
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.023	0.0023	0.003	0.001	0.023
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.02				0.02
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04	0.02	0.005	0.008
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04	0.02	0.006	0.009
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04	0.2	0.005	0.008
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04	0.1	0.005	0.008
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04		0.005	0.008
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.04	0.04	0.02	0.007	0.012
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT						
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.0023	0.003	0.001	0.02
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.025	0.003	0.003	0.001	0.025
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.02				0.02

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	8998: PirimiphsEth, ug/l	8999: Irgarol 1051, ug/l	9000: Iodofenphos, ug/l	9002: Metazachlor, ug/l	9050: 1,2,3-TCB, ug/l	9051: 1,2,4-TCB, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005		
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005		
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005	0.01	0.01
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005		
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005	0.01	0.01
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.005	0.001	0.005		
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.005	0.001	0.005	0.029	0.029
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.005	0.001	0.005	0.01	0.01
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.005	0.005	0.001	0.005	0.011	0.011
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005		
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005		
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005	0.01	0.01
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005		
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.005	0.005	0.001	0.005	0.01	0.01
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.002	0.237	0.005	0.005	0.002	0.5
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.002	0.04	0.005	0.005	0.002	0.1
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.002	0.4	0.005	0.005	0.002	0.02
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.002	0.2	0.005	0.005	0.002	
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.002	0.47	0.005	0.005	0.002	0.068
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.002	0.094	0.005	0.005	0.002	
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT						
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.005		0.001	0.005	0.011	0.011
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.006		0.001	0.006	0.011	0.011
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.005	0.005	0.001	0.005		
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.002	0.315	0.005	0.005	0.002	0.5
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.002	0.118	0.006	0.006	0.002	0.1
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.002	1.23	0.005	0.005	0.002	0.02
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.002	0.2	0.005	0.005	0.002	0.02
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.002	0.155	0.005	0.005	0.002	0.058
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.003	0.082	0.007	0.007	0.003	
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT						
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.005		0.001	0.005	0.01	0.01
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.006		0.001	0.006	0.011	0.011
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.005	0.005	0.001	0.005		

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9052: 1,3,5-TCB, ug/l	9068: loxynil, ug/l	9073: Carbetamide, ug/l	9091: 25Dichlrphnl, ug/l	9094: 2,5-Xylenol, ug/l	9197: PCB Con 105, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.05	0.05	0.02	0.02	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.04			
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.04	0.04			0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.04	0.1	0.1	
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.04	0.04			0.001
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.04	0.04			
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.029	0.047	0.04			0.003
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.01	0.04	0.04			0.001
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.011	0.04	0.04			0.001
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.05	0.05	0.02	0.02	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.04			
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.04	0.04			0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.04	0.04	0.1	0.1	
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	0.04	0.04			0.001
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.01	1	0.02	0.003	0.001	0.05
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.01	1	0.02	0.003	0.001	0.05
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	1	0.2	0.003	0.001	0.05
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04		1	0.1	0.003	0.001	0.05
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.011	1	0.02	0.003	0.001	0.05
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.011	1	0.02	0.003	0.001	0.05
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		0.04				
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.011	0.04	0.04	0.1	0.1	0.001
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.011	0.048	0.04	0.02		0.001
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		0.04	0.04	0.02	0.02	
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	1	0.02	0.003	0.001	0.05
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.01	1	0.02	0.004	0.001	0.05
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	1	0.2	0.003	0.001	0.05
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	1	0.1	0.003	0.001	0.05
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.011	1	0.02	0.003	0.001	0.05
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.011	1	0.02	0.004	0.001	0.05
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		0.04				
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.04	0.04	0.1	0.1	0.001
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.011	0.04	0.04	0.02		0.001
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		0.04	0.04	0.02	0.02	

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9258: PCB Con 156, ug/l	9338: Bendiocarb, ug/l	9339: Fenuron, ug/l	9341: Permethrn-cs, ug/l	9342: Permethrn-Tr, ug/l	9345: Diflurobnzrn, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.005	0.06			0.04
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.04			0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.005	0.04	0.002	0.001	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.005	0.04			0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.005	0.04	0.001	0.001	0.04
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06			0.04			0.04
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.003	0.005	0.04	0.001	0.001	0.04
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.005	0.04	0.002	0.001	0.04
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.005	0.04	0.001	0.001	0.04
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.005	0.06			0.04
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.04			0.04
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.005	0.04	0.002	0.001	0.04
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.005	0.04			0.04
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.005	0.04	0.001	0.001	0.04
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.02	0.02	0.02	0.02
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.02	0.02	0.02	0.02
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.2	0.2	0.2	0.2	0.2
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.1	0.1	0.1	0.1	0.1
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.02	0.02	0.02		0.02
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.5	0.02	0.02	0.02	0.02	0.02
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	1					
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		0.001	0.005	0.04	0.002	0.001
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		0.001	0.006	0.04	0.001	0.001
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT			0.005	0.04		
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.02	0.02	0.02	0.02
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.02	0.02	0.02	0.02
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.2	0.2	0.2	0.2	0.2
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.1	0.1	0.1	0.1	0.1
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.02	0.02	0.02		0.02
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.5	0.02	0.02	0.02	0.02	0.02
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	1					
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		0.001	0.005	0.04		
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		0.001	0.006	0.04	0.001	0.001
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT			0.005	0.04		

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9348: Chlortoluron, ug/l	9350: 2,3,5,6-Tetr, ug/l	9451: 2,3-Xylenol, ug/l	9474: Coumaphos, ug/l	9477: Dichlobenil, ug/l	9479: Mevinphos, ug/l	9494: Isodrin, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05		0.02	0.005		0.008	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04						
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001		0.005	0.001	0.009	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.1	0.005		0.008	
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001		0.005	0.01	0.008	0.001
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04						
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.003		0.005	0.003	0.008	0.003
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.001		0.005	0.001	0.008	0.001
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.001		0.005	0.011	0.008	0.001
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.05		0.02	0.005		0.008	
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04						
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001		0.005	0.001	0.009	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04		0.1	0.005		0.008	
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.001		0.005	0.01	0.008	0.001
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	1	1	1	0.1	0.003	0.008
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	1	1	1	0.1	0.003	0.008
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.2	0.005	0.1	0.1	0.1	0.003	0.008
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.1	0.15	0.1	0.1	0.1	0.003	0.008
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04		0.1	0.1	0.1	0.1	0.003	0.009
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.02	0.1	0.1	0.1	0.1	0.003	0.008
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.001	0.1	0.005	0.001	0.008
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.001		0.006	0.011	0.009
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04		0.02	0.005		0.008
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	1	1	1	0.1	0.003	0.008
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	1	1	1	0.1	0.004	0.009
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.2	0.005	0.1	0.1	0.1	0.003	0.008
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.1	0.15	0.1	0.1	0.1	0.003	0.008
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07		0.1	0.1	0.1	0.1	0.003	0.008
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.02	0.1	0.1	0.1	0.17	0.004	0.012
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.001	0.1	0.005	0.001	0.008
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04	0.001		0.006	0.011	0.01
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.04	0.04		0.02	0.005		0.008

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9519: Carbophenthn, ug/l	9522: Phenol, ug/l	9586: Propetamphos, ug/l	9606: Bupirimate, ug/l	9634: Propazine, ug/l	9669: Naphthalene, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.243	0.005	0.005	0.002	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05				0.005		
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002		0.005	0.005	0.002	0.02
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.2	0.005	0.005	0.002	0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002		0.005	0.005	0.002	0.01
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06				0.005		
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.002		0.005	0.005	0.002	0.1
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.002		0.005	0.005	0.002	0.02
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.002		0.005	0.005	0.002	0.01
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.243	0.005	0.005	0.002	0.1
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05				0.005		
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002		0.005	0.005	0.002	0.02
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002	0.2	0.005	0.005	0.002	0.02
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.002		0.005	0.005	0.002	0.01
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.006	0.043	1	63	0.002
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.006	0.09	1	71	0.002
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04					70	
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.006	0.06	1	70	0.002
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.006	0.06	2	54	0.002
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.007	0.04	1	70	0.002
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	0.04	0.006	0.043	1	48	0.002
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04					48	
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT						
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.002	0.2	0.005	0.005	0.002
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.002	0.05	0.006	0.006	0.002
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		0.002	0.057	0.005	0.005	0.002
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.006	0.046	1	38	0.002
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.007	0.09	1	82	0.002
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					46	
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.006	0.06	1	46	0.002
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.006	0.06	2	44	0.002
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.006	0.042	1	48	0.002
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	0.04	0.009	0.043	1	46	0.002
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					46	
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT						
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.002	0.2	0.005	0.005	0.002
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.002	0.211	0.006	0.006	0.002
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		0.002	0.124	0.005	0.005	0.002

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9671: Phenanthrene, ug/l	9696: Beryllium-Be, ug/l	9703: 3Chlorophenl, ug/l	9715: Azinphos Myl, ug/l	9716: Fenitrothion, ug/l	9756: Neburon, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	1	0.02	0.003	0.001	0.04
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		1				0.05
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		1		0.003	0.001	0.05
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	1	0.1	0.003	0.001	0.05
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		1		0.003	0.001	0.05
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		1				0.05
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		1		0.003	0.001	0.05
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		1		0.003	0.001	0.05
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		1		0.003	0.001	0.05
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.01	1	0.02	0.003	0.001	0.04
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		1				0.05
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		1		0.003	0.001	0.05
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	1	0.1	0.003	0.001	0.05
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		1		0.003	0.001	0.05
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04	5.91	0.004	0.002	0.005		
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04	7.11	0.004	0.002	0.005		
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04	6.74	0.004	0.002	0.005		
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04	5.34	0.004	0.002	0.005		
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04	6.73	0.004	0.002	0.005		
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04	4.89	0.004	0.002	0.005		
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT			1			
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	1	0.1	0.003	0.001
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.058	0.011	1	0.02	0.004	0.001
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		0.01	1	0.02	0.003	0.001
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	3.75	0.004	0.002	0.005		
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	8.55	0.005	0.002	0.006		
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	4.64	0.004	0.002			
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	4.47	0.004	0.002	0.005		
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	4.84	0.004	0.002	0.005		
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07	4.83	0.006	0.003	0.007		
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT			1			
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	1	0.1	0.003	0.001
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.054	0.011	1	0.02	0.004	0.001
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		0.01	1	0.02	0.003	0.001

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9768: PCB Con 028, ug/l	9769: PCB Con 052, ug/l	9770: PCB Con 101, ug/l	9771: PCB Con 118, ug/l	9772: PCB Con 138, ug/l	9773: PCB Con 153, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05						
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05						
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05						
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06						
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.003	0.003	0.003	0.003	0.003	0.003
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.001	0.001	0.001	0.001	0.001
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.001	0.001	0.001	0.001	0.001
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05						
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05						
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05						
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.001	0.001	0.001	0.001	0.001
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04						
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT						
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.05	0.001	0.001	0.001	0.001	0.001
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.05	0.001	0.001	0.001	0.001	0.001
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.05					
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07						
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT						
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.05	0.001	0.001	0.001	0.001	0.001
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.05	0.001	0.001	0.001	0.001	0.001
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.05					

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9774: PCB Con 180, ug/l	9811: 112TCEthan, ug/l	9814: 2Chlorophenl, ug/l	9815: 4ClPhenol, ug/l	9816: 24Dichloropl, ug/l	9817: 2,6-DCP, ug/l	9818: 245Trichlphl, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1	0.02	0.02	0.02	0.02	0.02
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1					
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.1					
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1	0.1	0.1	0.1	0.1	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.5					
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.1					
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.003	0.1					
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.1					
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.001	0.5					
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1	0.02	0.02	0.02	0.02	0.02
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1					
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.1					
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1	0.1	0.1	0.1	0.1	0.1
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.001	0.5					
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.1	0.1	0.1	0.1	0.1
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.1	0.02	0.02	0.02	
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT			0.5	0.02	0.02	0.02	0.02
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.1	0.1	0.1	0.1	0.1
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.001	0.001	0.1	0.02	0.02	0.02	
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT			0.5	0.02	0.02	0.02	0.02

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9819: 2,4,6-T, ug/l	9836: 1,1-Dichloro, ug/l	9839: TAME, ug/l	9844: ETBE, ug/l	9845: o-Xylene, ug/l	9851: PirimiphsMyl, ug/l	9860: Metalaxyl, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	1	1	1	0.1	0.003	0.008
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05					3		
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.15	0.1	0.1	0.1	0.003	0.009
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.15	0.1	0.1	0.1	0.003	0.008
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1	0.1	0.1	0.1	0.003	0.008
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06					3		
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		1	1	1	0.1	0.003	0.008
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.15	0.1	0.1	0.1	0.003	0.008
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06		0.1	0.1	0.1	0.1	0.003	0.008
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.02	1	1	1	0.1	0.003	0.008
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05					3		
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.15	0.1	0.1	0.1	0.003	0.009
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.1	0.15	0.1	0.1	0.1	0.003	0.008
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.1	0.1	0.1	0.1	0.003	0.008
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT							
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.15	0.335	0.1	0.1	0.003
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02		0.1	0.275	0.1	0.1	0.004
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.1	0.29	0.1	0.1	0.003
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT							
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.1	0.1	0.15	0.1	0.1	0.1	0.003
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02		0.1	0.1	0.1	0.1	0.004
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.02	0.02	0.1	0.1	0.1	0.1	0.003

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9861: MetsulfrnMyl, ug/l	9863: AzinphsEthyl, ug/l	9883: Pichloram, ug/l	9888: Ethenylbenzn, ug/l	9901: O Diss %sat, %	9911: Trietazine, ug/l	9924: O Diss Conc, mg/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.006	0.05	1	64	0.002	8.83
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.04	10	57		6.99
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.006	0.06	2	65	0.002	7.5
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.006	0.06	2	54	0.002	6.38
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.006	0.04	1	54	0.002	5.84
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06			0.04	10	28		3.15
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.006	0.09	1	18	0.002	2
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.006	0.06	2	59	0.002	6.49
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.04	0.006	0.04	1	15	0.002	1.67
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05		0.006	0.05	1	64	0.002	8.83
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05			0.04	10	57		6.99
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.006	0.06	2	65	0.002	7.5
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.006	0.06	2	54	0.002	6.38
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.04	0.006	0.04	1	54	0.002	5.84
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04							
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT					0.06		32
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.008	0.04	0.003	0.006	0.06	2	20
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.009	0.04	0.001	0.007	0.048	1	17
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.008	0.04		0.006	0.04	1	22
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07							
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT					0.06		47
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.008	0.04		0.006	0.06	2	41
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.01	0.04	0.001	0.007	0.04	1	98
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.008	0.04		0.006	0.04	1	59

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name	9959: Pirimicarb, ug/l	9978: Chlorpyrifos, ug/l	9979: Ethion, ug/l	9989: Trifluralin, ug/l	9990: Tecnazene, ug/l
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005		
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05					
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005	0.011	0.01
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005		
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005	0.02	0.01
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06					
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.004	0.002	0.005	0.033	0.029
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.004	0.002	0.005	0.011	0.01
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06	0.004	0.002	0.005	0.02	0.011
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005		
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05					
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005	0.011	0.01
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005		
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05	0.004	0.002	0.005	0.02	0.01
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04					
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT		3.35			
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	2.13	0.1	0.004	0.002
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	1.77	0.1	0.005	0.002
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	2.37		0.004	0.002
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07					
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT		5.16			
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	4.55	0.1	0.004	0.002
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	9.64	0.1	0.005	0.002
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT	0.002	7.26		0.004	0.002

Ground Water Quality - Drakelow - DE15 9UA

Sample Point	Date Taken	Time	Site Name
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05
58271070	02-Dec-05	1000	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06
58271070	17-Feb-06	1155	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06
58271070	24-Oct-06	1230	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06
58271070	05-Nov-07	1300	STANTON HOUSE FARM GROUNDWATER BOREHOLE F04/06
58172100	19-May-05	1550	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	02-Dec-05	1100	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	10-Nov-06	1220	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	28-Feb-07	1120	BLADON FARM GROUNDWATER BOREHOLE F04/05
58172100	29-Oct-07	1430	BLADON FARM GROUNDWATER BOREHOLE F04/05
58126850	22-Sep-05	1245	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126850	17-Feb-06	1050	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126850	12-Jul-06	1000	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126850	12-Jul-06	1001	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126850	13-Mar-07	0920	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126850	10-Aug-07	0950	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126850	11-Feb-08	1030	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126850	11-Feb-08	1035	COORS BREWERS GROUNDWATER BOREHOLE F04/04
58126910	18-Dec-06	1120	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT
58126910	13-Mar-07	0945	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT
58126910	10-Aug-07	1020	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT
58126910	11-Feb-08	1100	COORS BREWERS SHALLOW BOREHOLE, BURTON UPON TRENT
58218320	22-Sep-05	1400	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58218320	21-Feb-06	1016	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58218320	12-Jul-06	1100	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58218320	12-Jul-06	1101	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58218320	13-Mar-07	1210	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58218320	10-Aug-07	1110	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58218320	11-Feb-08	0930	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58218320	11-Feb-08	0940	MARSTON, THOMPSON & EVERSLED PLC GROUNDWATER BOREHOLE F04/07
58161470	18-Dec-06	1210	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT
58161470	13-Mar-07	1240	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT
58161470	10-Aug-07	1140	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT
58161470	11-Feb-08	0950	MARSTON THOMSON EVERSLED PLC SHALLOW BOREHOLE, BURTON UPON TRENT

Appendix F ENVIRONMENTAL RECEPTORS

Table F.1: Pollution to Controlled Waters

'Section 78A (9) of the EPA 1990 defines the pollution of controlled waters as: "the entry into controlled waters of any poisonous, noxious or polluting matter or any solid waste matter".' (A35) 'Before determining that pollution of controlled water is being, or is likely to be, caused, the local authority should be satisfied that a substance is continuing to enter controlled waters or is likely to enter controlled waters. The local authority should regard something as being "likely" to be caused when the local authority judge it more likely than not to occur.' (A36) 'Land should not be designated as contaminated land where: (a) a substance is already present in controlled waters; (b) entry into controlled waters of that substance from land has ceased; and (c) it is not likely that further entry will take place.' (A37) 'Substances should be regarded as having entered controlled waters where: (a) they are dissolved or suspended in those waters; or (b) if they are immiscible with water, they have direct contact with those waters on or beneath the surface of the water.' (A38) The term 'continuing to enter' should be taken to mean any entry additional to any which has already occurred. (A39)

Reproduced from DEFRA (2006) Contaminated Land: Implementation of Part IIA of the Environmental Protection Act 1990 Circular 1/2006 and Scottish Executive Rural Affairs Department (2000) Circular 1/2000. Environmental Protection Act 1990: Part IIA – Contaminated Land.

Table F.2: Significant Harm to Various Receptors

Type of receptor	Description of harm to that type of receptor that is to be regarded as significant harm
Human beings	Death, disease, serious injury, genetic mutation, birth defects or the impairment of reproductive functions. For these purposes, disease is to be taken to mean an unhealthy condition of the body or a part of it and can include, for example, cancer, liver dysfunction or extensive skin ailments. Mental dysfunction is included only insofar as it is attributable to the effects of a pollutant on the body of the person concerned. In the Guidance, this description of significant harm is referred to as a 'human health effect'.
Any ecological system, or living organism forming part of such a system, within a location which is: - an area notified as an area of Special Scientific Interest under Section 28 of the Wildlife and Countryside Act 1981. - any land declared a National Nature Reserve under Section 35 of that Act - any area designated as a Marine Nature Reserve under Section 36 of that Act - an area of Special Protection of Birds, established under Section 3 of that Act - any European Site within the meaning of regulation 10 of the Conservation (Natural Habitats etc.) Regulations 1994 (i.e. Special Areas of Conservation and Special protection Areas) - any candidate Special Areas of Conservation or	For any protected location: Harm which results in an irreversible adverse change, or in some other substantial adverse change, in the functioning of the ecological system within any substantial part of that location; or Harm which affects any species of special interest within that location and which endangers the long-term maintenance of the population of that species at that location. In addition, in the case of a protected location, which is a European Site (or a candidate Special Area of Conservation or a potential Special Protection Area), harm which is incompatible with the favourable conservation status of natural habitats at that location or species typically found there. In determining what constitutes such harm, the local authority should have regard to the advice of English

Drakelow Park, Burton Upon Trent

Type of receptor	Description of harm to that type of receptor that is to be regarded as significant harm
potential Special Protection Areas given equivalent protection - any habitat or site afforded policy protection under paragraph 13 of Planning Policy Guidance Note 9 (PPG9) on nature conservation (i.e. candidate Special Areas of Conservation, potential Special protection Areas and listed Ramsar sites); or - any nature reserve established under Section 21 of the National Parks and Access to the Countryside Act 1949.	nature and to the requirements of the Conservation (Natural Habitats etc Regulations 1994). In the Guidance this description of significant harm is referred to as an 'ecological system effect'.
Property in the form of: - crops, including timber - produce grown domestically, or on allotments, for consumption - livestock - other owned or domesticated animals; wild animals which are the subject of shooting or fishing rights.	For crops, a substantial diminution in yield or other substantial loss in their value, resulting from death, disease or other physical damage. For domestic pets, death, serious disease or serious physical damage. For other property in this category, a substantial loss in its value resulting from death, disease or other serious physical damage. The local authority should regard a substantial loss in value as occurring only when a substantial proportion of the animals or crops are dead or otherwise no longer fit for their intended purpose. Food should be regarded as being no longer fit for purpose when it fails to comply with the provisions of the Food Safety Act 1990. Where a diminution in yield or loss in value is caused by a pollutant linkage, a 20% diminution or loss should be regarded as a benchmark for what constitutes a substantial diminution or loss. In the Guidance this description of significant harm is referred to as an 'animal or crop effect'.
Property in the form of buildings. For this purpose 'building' means any structure or erection and any part of a building, including any part below ground level, but does not include plant or machinery comprised in a building.	Structural failure, substantial damage or substantial interference with any right of occupation. For this purpose, the local authority should regard substantial damage or substantial interference as occurring when any part of the building ceases to be capable of being used for the purpose for which it is or was intended. Additionally, in the case of a scheduled Ancient Monument, substantial damage should be regarded as occurring when the damage significantly impairs the historic, architectural, traditional, artistic or archaeological interest by reason of which the monument was scheduled in the Guidance this description of significant harm is referred to as a 'building effect'.

Reproduced from DEFRA (2006) Contaminated Land: Implementation of Part IIA of the Environmental Protection Act 1990. Circular 1/2006 and Scottish Executive Rural Affairs Department (2000) Circular 1/2000. Environmental Protection Act 1990: Part IIA – Contaminated Land.