Environmental Monitoring Report

Reporting Period
04/07/2011-29/07/2011

Former Bayer Crop Science Site
Hauxton
Cambridgeshire

10th August 2011

Author:

M.J. Allsobrook M.Sc. B.Sc.
Project Manager

On behalf of:

Harrow Estates Plc

Vertase F.L.I. Limited
3000 Aviator Way
Manchester Business Park
Manchester M22 5TG

Tel +44 (0) 161 437 2708
Fax +44 (0) 161 437 6300

Email info@vertasefli.co.uk
www.vertasefli.co.uk

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APPENDICIES

1.0 Introduction

1.1. General

This report has been prepared and submitted in accordance Environmental Permitting Regulations 2007 with reference to the approved Deployment of Vertase FLI's Environmental Permit Ref: ERP/QP3293FY for the remediation works at the former Bayer CropScience site Hauxton, and in accordance with Condition 4 of the planning permission dated 5th February 2010.

The time period that this report represents is from the 4th of July 2011, until the 31st of July 2011.

1.2. The site

The site is the former Bayer Crop Science site, Cambridge Road, Hauxton, Cambridge. The site was used for the storage and production of agrichemicals from the 1940's through to ceasing production in 2004. The site was used primarily for the synthesis, formulation, packaging and storage of agrichemicals (both herbicides and pesticides). It is this former historical use that has led to the contamination legacy of soil and groundwater at the site.

There is also a Waste Water Treatment Plant (WWTP) and other agricultural land which is part of the former land holding of Bayer Crop Science and is part of that controlled by Harrow Estates. The WWTP will be utilised to assist in the treatment of recovered groundwater and will be improved to undertake this task and then maintained for the duration of the remediation. This area of the site will not be subject to remediation as part of this phase of works but will be remediated as a separate phase of work under a separate contract and separate Remediation Method Statement in the future.

1.3. Remediation Brief and Philosophy

The philosophy for this remediation project is set out in detail in the agreed Remediation Method Statement. The remediation of the site has been developed from knowledge of the site gained from historical site investigations, Atkins Preliminary Conceptual Model Report August 2006 (interpretative report defining the current and correct understanding of the geological and environmental conditions) and subsequent sampling and analysis defining the extent of

contamination following further investigation. This information has allowed the conceptual site model and pollutant linkages to be developed to form the remediation methodology. Whilst the remediation work itself is complex and varied, the philosophy is simple and defines the proposed remedial action required. This philosophy has been designed with the brief in mind. This brief can be defined as "a remediation to address all pollutant linkages and ensure that following remediation and re-development no unacceptable risks will remain associated with the treated area of the site by applying the best available techniques not entailing excessive costs (BATNEEC)".

The philosophy behind the remediation is to remove all uncertainty relating to soils and groundwater within the site area by the excavation, characterisation and treatment. All pathways between the identified sources and receptors will be removed and the contaminant mass within soils reduced as far as the practical limits of cost effective technology permit. The Remediation Method Statement sets out how this philosophy or strategy will be achieved practically on site and validated with confirmative post remediation risk assessment.

These remediation works are also required to satisfy the regulators that adequate remediation works have been completed to satisfy their requirements under Part IIa of the Environmental Protection Act 1990.

2.0 Monthly Progress

Week 69. Week Commencing 4th July 2011

Excavation continued through grid square J13, with contaminated soils creating new treatment beds to the centre of the site. Relocating of existing treatment beds and stockpiles from the south of the site was undertaken to create space for excavation and validation. Restoration of remediated soils progressed in the centre of the site in grid squares H14, H15, I14, I15, J14 and J15. Turning of treatment beds was undertaken to assist in the biodegradation of the contaminants and reduce the moisture content of the material prior to restoration. Treatment beds located in the high bay warehouse were relocated prior to its demolition, the beds being relocated were covered to prevent any odour generation while they complete their treatment programme. The demolition of the High bay warehouse commenced on 6th of July.

Week 70. Week Commencing 11th July 2011

Restoration of remediated soils continued in the centre of the site. No excavation was undertaken due to awaiting validation testing. Turning of treatment beds was undertaken to promote biological degradation and dry the material in preparation for reinstatement. The demolition of the High bay warehouse structure continued.

Week 71. Week Commencing 18th July 2011

Excavation was undertaken in H10 to H12 and I10 to I12 with contaminated soils being created into treatment beds in the centre of the site. Concrete was broken out from the southern limb bentonite wall, with hard materials being stockpiled to await crushing and future reuse on site. Later in the week excavation of impacted Marl material was undertaken in grid squares H7, G8 through to G11, this material was formed into treatment beds to the southwest of the site. Limited restoration undertaken due to wet weather conditions though the week affecting the compaction. Materials suitable for restoration were hauled to the north of the site and stockpiled in preparation for restoration. Turning of treatment beds was undertaken to promote biological degradation and dry the material in preparation for reinstatement. A temporary boundary fence was erected along the eastern bank of the Riddy Brook in preparation of the Bentonite wall removal works.

Week 72. Week Commencing 25th June 2011

Excavation from grid square G11 continued to G13 with impacted soils being created into treatment beds in the southwest of the site. Restoration using treated soils continued in the centre of the site. A number of stockpiles and treatment beds were relocated from the south eastern corner to the west of the site to allow for further excavation and validation in the south east corner of the site. Turning of treatment beds continued to promote biological degradation and dry the material in preparation for reinstatement. The demolition of the high bay warehouse was completed and the demolition plant was demobilised.

3.0 Environmental Monitoring Summary

The environmental monitoring locations detailed in the Environmental Permit deployment form for the site are highlighted in drawing D907_33C in Appendix A.

The detailed environmental monitoring data can be found in Appendix B, the following chapters summarise the finding from the monitoring undertaken by Vertase FLI Site Engineers.

3.1. Odour and VOC Emissions

Odour and VOC monitoring around the site boundary commenced on the 22nd March 2010 and has been undertaken twice daily at eight compass points around the site boundary, in the public access areas. Odour and VOC related observations in between the eight compass points around the site are also noted by the Vertase FLI representative undertaking the monitoring.

In addition to physical control via covers and management of activities odour controlling suppressants and masking agent are being used around the site boundary to mitigate the impact of odour migration off site. Three mobile telescopic misting fans were used on site and a full boundary misting system was also used to supplement the mobile units.

Site generated odours including those from the remediation processes and the odour suppression systems observed during the monitoring rounds beyond the site boundary are listed in the environmental monitoring data spreadsheet in Appendix B.

The Vertase FLI Environmental Engineers and Site Management team have been working closely to prevent odours and VOC's generated by the remediation processes migrating off site, along with trying to achieve a fine balance of using a specific odour control fragrance's at a variety of dilutions to reduce the impact of any odours detected off site.

The Environmental Engineers have logged the actions undertaken on site to reduce the impact of VOC/odours off site, these are noted in the environmental monitoring data in Appendix B. All mitigation measures have been in accordance with the actions stipulated in the deployment

form, including some additional actions to reduce the potential of odour nuisance e.g. repositioning of mobile odour control systems.

During the twice daily environmental monitoring a Photoionisation Detector (PID) has been used to record VOC's present beyond the site boundary. The PID will not function correctly in wet weather conditions, this has prevented real-time monitoring on a number of days and data is missing from the environmental monitoring spreadsheet for this reason. During the reported period VOC's were not detected by the PID (Limit of detection of 0.1ppm) beyond the site boundary.

Long term passive VOC monitoring is carried out at eight compass point locations around the site boundary, in the public accessible areas, further monitoring locations are located within the centre of the waste water treatment works, on Church Road, Hauxton and Queens Close, Harston.

The results for the long term passive VOC monitoring carried out between 09/06/2011 and 07/07/2011 are reported in appendix C. The analysis undertaken for this monitoring period indicates that the majority of the VOC's detected are around the baseline, except for Tetrachloroethene and Naphthalene which is on occasion slightly raised above the baseline values but are well below the levels considered to be within acceptable limits for published criteria.

The analysis for Church Road, Hauxton and Queens Close, Harston indicates there are some site related VOC's detected at these locations, but at levels that are considered to be within acceptable limits for published criteria.

The 28 day passive VOC monitoring results have been forwarded to the Health Protection Agency for review. The HPA have under taken independent risk assessment upon the data provided and have provided a positive non technical summary which is available on South Cambridgeshire District Councils website.

3.2. Dust Fibre and Particulate Emission

Both real time dust measurement and long term dust deposition monitoring has been undertaken around the site boundary at six compass point locations, north, east, south, west with two monitoring positions in the northeast (drawing D907_30C, Appendix A).

Real time airborne dust monitoring is undertaken as a minimum twice daily by an Environmental Engineer using a 'Dustmate' dust particle monitor around the site boundary as part of the environmental monitoring schedule, results are recorded in the environmental monitoring spreadsheet (Appendix B). The 'Dustmate' dust particle monitor will not function correctly in wet weather conditions, therefore on a number of days and data is missing from the environmental monitoring spreadsheet for this reason. Dust migration is however less likely in wet weather conditions.

Dust particle measurements at each monitoring location have varied, with the higher dust readings being generally at the locations adjacent to the heavily trafficked Cambridge Road (A10). The average Total Suspended Particulates (TSP) reading around the site is 92.82µg/m^3, the average PM10 dust reading around the site is 45.50µg/m^3. Where a potential for dust has been observed, on site dust suppression methods have been deployed immediately to reduce the generation of site dust and all haul routes are continually wetted to prevent dust release.

Directional dust deposition gauges at the six monitoring locations are analysed every fortnight for Effective Area Coverage (EAC) (percentage of dust deposition relating to the potential to cause nuisance), results generated by an external laboratory are presented in Appendix D.

Baseline dust monitoring undertaken between 19/02/2010 to 19/03/2010 (4 locations monitored) recorded a maximum dust deposition rate of 0.54%EAC at the western monitoring location.

Dust monitoring undertaken from the 27/06/2011 to 11/07/2011 (4 locations monitored only due to 2# damaged monitoring stations) recorded a maximum dust deposition rate was 2.79%EAC at the south monitoring location. All other locations had a maximum dust deposition rate of 2.29%EAC, or less.

Dust monitoring undertaken from the 11/07/2011 to 25/07/2011(5 locations monitored only due to 1# damaged in transit) recorded a maximum dust deposition rate was 2.79%EAC at the south monitoring location. All other locations had a maximum dust deposition rate of 0.64%EAC, or less.

Dust deposition values of less than 2.5% are regarded as having a very low nuisance potential. Only when percentages rise from 2.5% – 5% EAC is dust considered to have a low nuisance causing potential. During the reported period dust, fibre and particle emissions have been low, and have not caused visual dusting off site.

3.3. Control of Mud and Debris

A pressure washer has been on site constantly to allow any maintenance or plant delivery vehicles leaving contaminated parts of the site to be washed down thoroughly first, as not to take potentially contaminated mud and debris through the clean zone and off site. The movement of vehicles between the contaminated and clean parts of the site is strictly controlled by the site management team.

3.4. Noise

Noise monitoring around the site boundary commenced on the 22nd March 2010 and has been undertaken twice daily as a minimum, recording findings at eight compass points around the site boundary in the public access areas (drawing D907_30C, Appendix A).

Site operations are restricted to 8am to 6pm and site noise levels are consistently at an average acceptable low background level of 65dB. Exceedance's of the 80dB threshold (stipulated in the Environmental Permit deployment document) have been recorded during the monitoring period, however traffic along the A10 has been identified as the source of the slightly elevated noise levels. Data is recorded in the environmental monitoring data spreadsheet, Appendix B.

3.5. Litter

All litter occurrences are removed from within the site, and off site around the boundary fence, and disposed of appropriately. Litter is generally low off site, and is well managed on site, by all

site personnel. All recordings of the presence of litter are noted in the Environmental Monitoring Data spreadsheet in Appendix B.

4.0 Surface and Ground Water Condition

4.1. Surface Water Monitoring

As part of the environmental monitoring programme, the Riddy Brook located to the east of the site (Drawing D907_33C, Appendix A) is inspected daily as a minimum at two locations up and down stream for general observations, on any discolouration, sedimentation etc. The observations are recorded on the Environmental Monitoring Data (Appendix B). Throughout the monitoring period there have been no visual signs that the remediation works on site are having any impact on the Riddy Brook.

The water level within the Riddy Brook is monitored and recorded on a daily basis at a minimum of two locations, footbridge adjacent to Mill House (Riddy 1) and the most southerly footbridge over the Riddy Brook, adjacent to the eastern corner of the site (Riddy 4). Two further locations are also monitored, Riddy 2 at the footbridge over the Riddy Brook approximately 150m southeast of Mill House and the former fire exit bridge (Riddy 3), 210m southeast of Mill House. All the water level data is recorded in the main groundwater level data sheet in Appendix E.

During the monitoring period there have not been any significant changes in levels along the Riddy Brook.

4.2. Surface Water Sampling and Analysis

Upstream and downstream water samples from both the River Cam (Granta) and the Riddy Brook are taken on a monthly basis. The results for samples taken on 27th July 2011 are pending and will be presented in a supplemental report.

4.3. Groundwater Level Monitoring

Groundwater levels are recorded within at least 11 borehole locations onsite on a daily basis, to ensure the groundwater beneath the site remains in a static condition during the remediation works and does not pose a risk to surface and groundwater bodies beyond the site boundary.

During the initial excavation works on site very little groundwater has been encountered, the majority of excavations located in the northern parts of the site have exceeded a depth of 4m below current ground level and have penetrated the Gault Clay in parts.

The main source of water encountered during excavations has been discontinuous contaminated perched water present in the Made Ground. This water has been captured and treated in the Waste Water Treatment Works associated with the site.

From approximately 2-3m below ground level discontinuous thin sand and gravel bands have also produced some limited quantities of water, which have tended to dry up within 24 hours.

The groundwater levels measured at locations around the site are shown in drawing D907_31G, in appendix A. The groundwater levels are presented in Appendix E.

A groundwater level graph has been constructed to illustrate the variation in groundwater level at the monitoring locations across the site for the reporting period (Appendix G).

The graph constructed (Appendix G) illustrates that there have been very little changes to groundwater levels within the boreholes across the site during the monitoring period.

There has been no recharge of groundwater in the central and northern part of the site where the main excavations have taken place, the base of excavations on site are approximately at 10.00mAOD and remain free of groundwater.

4.4. Groundwater Sampling and Analysis

Groundwater samples from 11 monitoring locations on site are taken on a monthly basis. The results for samples taken on 27th July 2011 are pending and will be presented in a supplemental report.

5.0 Waste Water Treatment Plant

The Waste Water Treatment Plant (WWTP) is part of the former land holding of Bayer Cropscience and is part of that controlled by Harrow Estates. The WWTP was an integral part of the former Bayer Crop Science site, located to the west of the A10, specifically designed to treat and discharge liquid waste products derived from the production of agrochemicals (both herbicides and pesticides) and sewage from the facility.

The WWTP has been previously operated (until the 15th of March 2010) by Alpheus Environmental Ltd. to maintain the required discharge volume generated by the groundwater pumping systems on the main Bayer Cropscience site along the bentonite cut off wall and the high bay warehouse.

Vertase FLI have established a maintenance programme and control procedures to ensure the WWTP is operated within the constraints of the discharge consent. Essential system checks and improvements have been made to the plant to ensure it can treat the volume and concentrations of influent generated by the continued groundwater control and the contaminated water recovered during the remediation activities on the main site.

The composition of the water discharged to the River Cam (Granta) must not exceed the permitted levels in paragraphs 1.7.1, 1.8.1 and 1.8.2 of the discharge consent PR1NF/1744D01 Issued and regulated by the Environment Agency.

The treated effluent is sampled at the specified location as stipulated in the discharge consent. Vertase FLI also sample the influent to the WWTP, along with a sample taken after the primary carbon treatment, this is to assess the performance of main treatment process of the WWTP and highlight potential expiry of the primary carbon vessels.

The fortnightly samples are analytically tested for the water quality parameters and the chemical compounds specified in paragraph 1.7.1 of the discharge consent PR1NF/1744 D 01. The data is tabulated and presented in Appendix H along with the raw data from the laboratory reports.

Throughout the reporting period the WWTP has been successful in treating the compounds listed within paragraph 1.7.1 (consent PR1NF/1744D01) to acceptable levels for discharge to the River Cam (Granta) under the regulated discharge consent.

The Environment Agency carry out independent discharge monitoring at the WWTP on a monthly basis, during the reportable period Vertase FLI and Harrow Estates Plc have not been notified of any unacceptable effluent discharging to the River Cam (Granta) from the operating plant.

6.0 Contaminants Not Previously Identified

To fulfil the requirements of condition 4 and condition 9, Planning Condition Document ref:S/2307/06/f Issued 10/02/2010, Vertase FLI are continually undertaking soil characterisation sampling prior to remediation processes to identify the types and concentrations of contaminants present in the specific grid squares across the entire site.

The soil characterisation samples undergo a series of laboratory analyses consisting of targeted analysis, screening against known contaminants and a full GCMS scan to identify any contaminants not previously identified.

All characterisation samples analysed and found to contain previously unidentified contaminants are reported in accordance with condition 9 of the Planning Condition Document ref:S/2307/06/f Issued 10/02/2010.

From the commencement of site works (15/03/2010) to 29/07/2011, eighty six characterisation samples have been taken by Vertase FLI in partnership with Atkins to assess the contamination type and concentrations prior to remediation of the materials. Thirty eight characterisation samples analysed contained a total of twenty five compounds / potential contaminants that had not been previously identified.

A summary table of the soil characterisation testing is presented in Appendix I, the previously unidentified compounds are listed here, with comments regarding the origin and likely usage on site.

The remediation project consultants Atkins continuously review the soil characterisation analysis and report previously unidentified contaminates in accordance with condition 9, Planning Condition Document ref:S/2307/06/f Issued 10/02/2010.

Appendix A

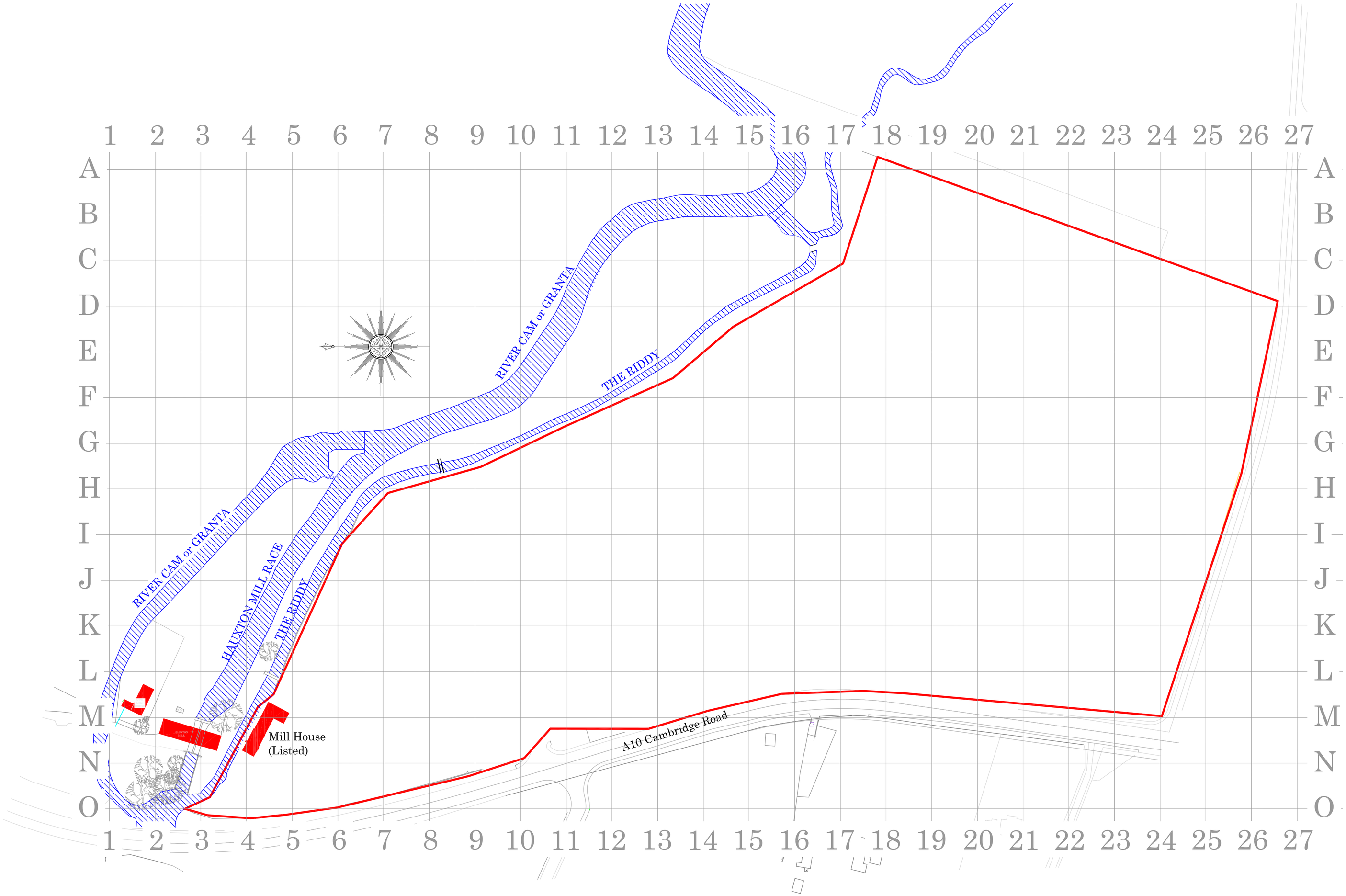
Drawings

A1

Legend

- Buildings to Remain
- Water Course
- Site Boundary

Drawing Base : Ref
LW/HAUX-002/2006



Rev.	Description	Revised By	Date
	FIRST ISSUE		21 April 2008

Vertase F.L.I.

Bristol Head Office: Tel: 01275 397600 Fax: 01275 397601
Sheffield Office: Tel: 01246 813289 Fax: 01246 812963
Hertford Office: Tel: 01992 535757 Fax: 01992 535858
Manchester Office: Tel: 01614 372708 Fax: 01614 376300

email: info@vertaseffli.co.uk
www.vertaseffli.com

Site Address:

Bayer Site
Hauxton
Cambridge

Rev:

Title: Blank Site Plan with Grid

Client: Harrow Estates

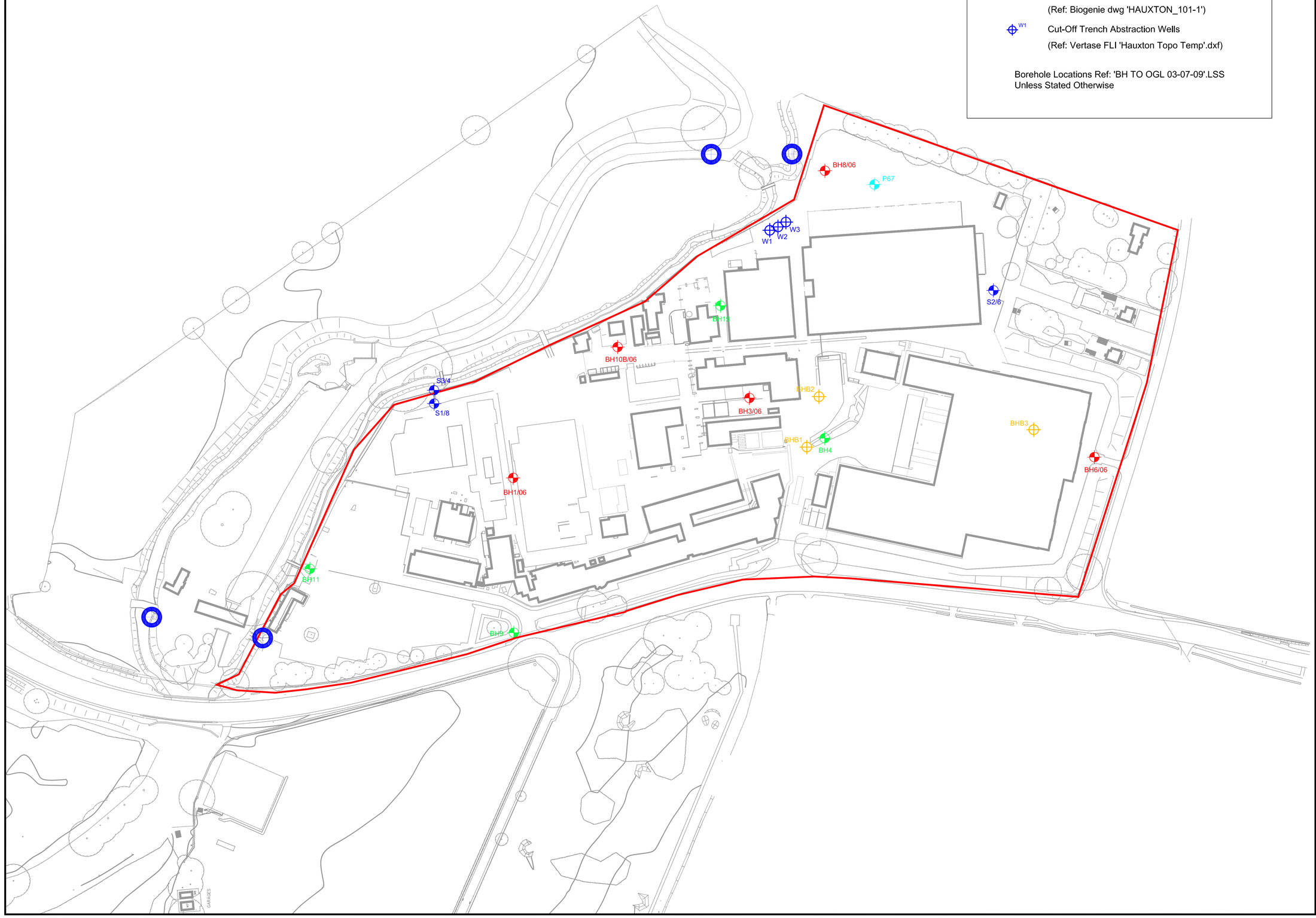
Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_07	Contract: 907BRI	Scale: 1:1000

A1

Legend

- BH1/06 — Atkins Exploratory Hole Location
- BH7 / P67 — Previous Borehole Location
- Water Sampling Location
- BHB1 — Biogenie Boreholes (Ref: Biogenie dwg 'HAUXTON_101-1')
- W1 — Cut-Off Trench Abstraction Wells (Ref: Vertase FLI 'Hauxton Topo Temp'.dxf)

Borehole Locations Ref: 'BH TO OGL 03-07-09'.LSS
Unless Stated Otherwise



Rev.	Description	Revised By	Date
E	BHB1,BHB2,BHB3, W1,W2,W3,BH3-06 & BH08-06 Added (BH3-06 & BH08-06 Ref:D907_31 Iss 0)	MRG	17-08-09
D	BH1 Removed & BH19 Added	MRG	07-07-08
C	BH1 Added	JWH	11 June 2008
B	BH5/06 Erased S2/6 Added	JWH	09 June 2008
A	Boreholes Erased	JWH	14 May 2008
	FIRST ISSUE		23 April 2008

Vertase F.L.I.

- ■ Bristol Head Office: Tel: 01275 397600 Fax: 01275 397601
- □ Sheffield Office: Tel: 01246 813289 Fax: 01246 812963
- □ Hertford Office: Tel: 01992 535757 Fax: 01992 535858
- □ Manchester Office: Tel: 01614 372708 Fax: 01614 376300

email: info@vertasefli.co.uk
www.vertasefli.com

Site Address:
Bayer Site
Hauxton
Cambridge

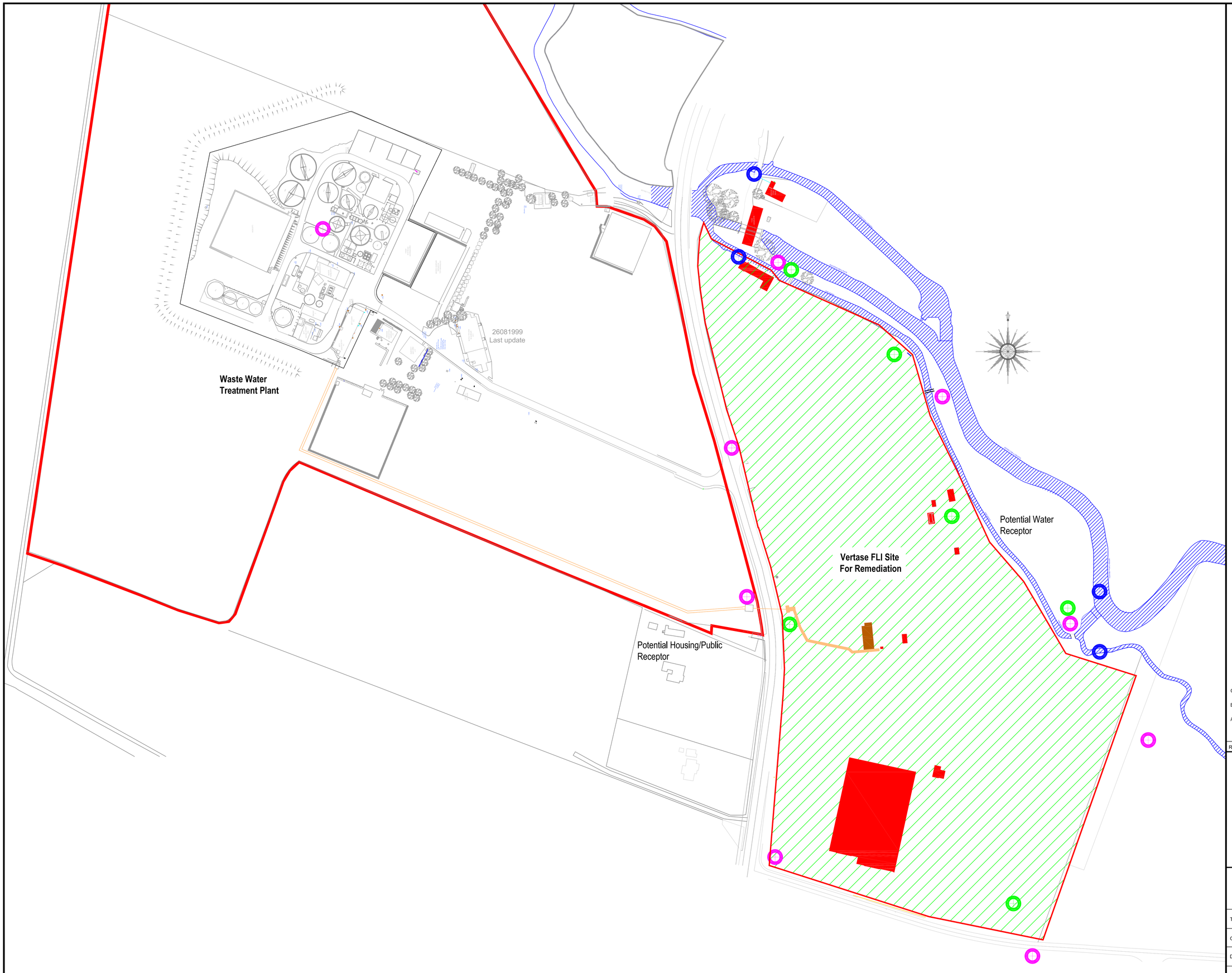
Rev: E

Title: Retained Boreholes for Monitoring & Reference

Client: Harrow Estates

Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_31	Contract: 907BRI	Scale: 1:1000

A1



Legend

- Sub-Station/Buildings to Remain
- Water Course
- Vertase FLI Site for Remediation
- Mobile Treatment Licence Boundary
- Site Effluent Sump and Ducting
- Diffusion Tubes /Monitoring Location
- Dust Monitoring Location
- Water Sampling Location

Drawing Base : Ref
LW/HAUX-002/2006

Rev.	Description	Revised By	Date
C	Dust Monitoring Locations Amended	MRG	14 July 08
B	Dust Monitoring Location Amended	JWH	09 June 08
A	Water Sampling Points Added Treatment Building Amended	JWH	15 May 2008
	FIRST ISSUE		21 April 2008

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Bristol Head Office: Tel: 01275 397600 Fax: 01275 397601
Sheffield Office: Tel: 01246 813289 Fax: 01246 812963
Hertford Office: Tel: 01992 535757 Fax: 01992 535858
Manchester Office: Tel: 01614 372708 Fax: 01614 376300

email: info@vertasefli.co.uk
www.vertasefli.com

Site Address:
Bayer Site
Hauxton
Cambridge

Rev: C

Title: Environmental Monitoring Plan

Client: Harrow Estates

Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_33	Contract: 907BRI	Scale: 1:1250

Appendix B

Environmental Monitoring Data

						ODOUR						DUST		NOISE	LITTER		RIDDY BROOK				METEOROLOGICAL AND ENVIRONMENTAL CONDITIONS						
Assessor	Date	Daily Activity	Boundary	Start Time	Finish Time	Detectability (Yes or No)	Intensity (1 to 9)	Quality (Description)	Hedonic Tone (-3 to+3)	Location Sensitivity (1 to 5)	Odour Source (1 to 5)	PID (ppm)	TSP	PM10	Average (dBa)	Present (Description)	Materials attracting scavengers	Inspection	Water Level (mAOD)	Complaints	Action Required	Wind Speed (1 to 9)	Wind Direction	Air Temp (C)	Description (Rain, Sun)	Cloud Cover (0 to 8)	Ground Conditions (Wet, dry)	General Notes
O Davies	4/7/2011	excavating in grids/bed turning	N	10.28	10.30	y	3	vegetation	0	2	5	0	12	14.1	58	no	no	clear	9.168			2.9	se	28.3	sun	1	dry	
O Davies	4/7/2011	excavating in grids/bed turning	NE	10.32	10.34	y	3	vegetation	1	2	5	0	319.4	24.7	61	no	no	clear										
O Davies	4/7/2011	excavating in grids/bed turning	NE1	10.36	10.38	y						0	221.7	85.1	61	no	no	clear										
O Davies	4/7/2011	excavating in grids/bed turning	E	10.40	10.42	n				2		0	11.7	7.7	63	no	no	clear	9.663									
O Davies	4/7/2011	excavating in grids/bed turning	SE	10.44	10.46	y	1	vegetation	1	2	5	0			64	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	S	10.48	10.50	n				3		0	5.8	13.9	62	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	SW	10.52	10.54	n				4		0			69	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	W	10.26	10.28	y	4	odour control	1	4	5	0	14.4	100.3	71	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	NW	10.24	10.26	y	2	odour control	1	2	5	0			74	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	N	15.52	15.54	n				2		0	48.4	44.2	62	no	no	clear	9.168									
O Davies	4/7/2011	excavating in grids/bed turning	NE	15.56	15.58	y	2	vegetation	1	2	5	0	38	24.2	62	no	no	clear										
O Davies	4/7/2011	excavating in grids/bed turning	NE1	16.00	16.02	n				2		0	134.9	11.2	65	no	no	clear										
O Davies	4/7/2011	excavating in grids/bed turning	E	16.04	16.06	y	2	chemical odour	1	2	5	0	200.4	84.3	65	no	no	clear	9.663									
O Davies	4/7/2011	excavating in grids/bed turning	SE	16.08	16.08	y	1	odour control	1	3	5	0			67	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	S	16.10	16.12	n				3		0	6.2	9.6	64	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	SW	16.14	16.16	n				4		0			61	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	W	16.18	16.20	y	3	chemical odour	1	4	5	0	14.7	9.4	76	no	no											
O Davies	4/7/2011	excavating in grids/bed turning	NW	16.22	16.24	y	3	vegetation	1	2	5	0			78	no	no											
I Stephenson	5/7/2011	bed turning/restoring	N	10.20	10.25	y	4	solvent odour, veg, trees	-1	2	3	0	228	95	61.7	no	no	clear	9.168	4	n	8.7	ese	24	sun	1	dry	intermittent-regular solvent odour for a patch of the A10, 3/5 on EA scale. Consistent n wind away from Hauxton, no issue. No odour at church
I Stephenson	5/7/2011	bed turning/restoring	NE	10.15	10.20	n				2		0	77	53	65.3	no	no	clear		4	n							
I Stephenson	5/7/2011	bed turning/restoring	NE1	10.10	10.15	n						0	196	101		no	no	clear		4	n							
I Stephenson	5/7/2011	bed turning/restoring	E	10.05	10.10	n				2		0	171	147	63	no	no	clear	9.661	4	n							
I Stephenson	5/7/2011	bed turning/restoring	SE	10.00	10.05	y	3	trees and veg	0	3	5	0			61.4	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	S	9.55	10.00	n				3		0	185	48	68.7	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	SW	9.50	9.55	y	3	veg	0	4	5	0			72.2	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	W	9.45	9.50	y	4	intermittent solvent odour, hot asphalt	0	4	5	0	48	45	72.7	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	NW	9.40	9.45	y	3	warm asphalt, veg	0	2	5	0			69.8	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	N	16.45	16.50	y	2	solvents	-1	2	4	0	56	10	62	no	no	clear	9.198	4	n	11.3	S	26	sunny	4	dry	intermittent odour on A10 - solvents consistent with wind direction. No issues, no odour at churc
I Stephenson	5/7/2011	bed turning/restoring	NE	16.40	16.45	n				2		0	79	10	69	no	no	clear		4	n							
I Stephenson	5/7/2011	bed turning/restoring	NE1	16.35	16.40									53				clear		4	n							
I Stephenson	5/7/2011	bed turning/restoring	E	16.30	16.35	n				2		0	264	22	68	no	no	clear	9.661	4	n							
I Stephenson	5/7/2011	bed turning/restoring	SE	16.25	16.30	n				3		0			64	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	S	16.20	16.25	n				3		0	9.7	10.7	65	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	SW	16.15	16.20	n				4		0			73	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	W	16.10	16.15	y	1	veg and solvents	0	4	3	0	19.9	42	81	no	no			4	n							
I Stephenson	5/7/2011	bed turning/restoring	NW	16.05	16.10	n				4		0			69	no	no			4	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	N	10.40	10.45	n				2		0	12	14	63.5	no	no	clear	9.167	3	n	8	S	22	sunny	2	dry	intermittent odour on A10 - not strong, consistent with wind direction. No odour at churcl
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	NE	10.35	10.40	n				2		0	237	11	62.3	no	no	clear		3	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	NE1	10.30	10.35	n						0	15	30	61	no	no	clear		3	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	E	10.25	10.30	n				2		0	39	9.3	58.2	no	no	clear	9.66	3	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	SE	10.20	10.25	n				2		0			65.4	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	S	10.15	10.20	n				3		0	12	41	65.4	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	SW	10.10	10.15	n				4		0			77.7	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	W	10.05	10.10	y	4	solvent and hot asphalt	0	4	3	0	12.5	12.6	74.5	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/moving concrete	NW	10.00	10.05	n				2		0			76.1	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	N	16.10	16.15	n				2		0	66	45	67.1	no	no	clear	9.167	3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	NE	16.05	16.10	n				2		0	18	10	60.7	no	no	clear		3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	NE1	16.00	16.05	n				2		0	306	16.9	59	no	no	clear		3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	E	15.55	16.00	y	5	soil and hydrocarbons	2	2		0	10.5	60	60.6	no	no	clear	9.66	3	check oc	7.6	sww	20	cloudy	7	dry	no odour on A10, no odour at church
I Stephenson	6/7/2011	bed turning/restoring/demolition	SE	15.50	15.55	y	3	soil and veg	0	3	5	0			71.9	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	S	15.45	15.50	n				3		0	27	18	67	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	SW	15.40	15.45	y	4	hot asphalt and vegetation	-1	4	5	0			66.6	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	W	15.35	15.40	n				4		0	29	18	74.9	no	no			3	n							
I Stephenson	6/7/2011	bed turning/restoring/demolition	NW	15.30	15.35	n				2		0			65.1	no	no			3	n							
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	N	8.25	8.27	y	3	vegetation	1	2	5	0			58	no	no	clear	9.168			10.9	S	18.5	cloud/light rain	8	damp	
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	NE	8.29	8.31	n				2		0			60	no	no	clear										
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	NE1	8.31	8.34													clear										
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	E	8.36	8.38	y	2	odour control	1	2	5	0			62	no	no	clear	9.663									
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	SE	8.40	8.42	n				3		0			57	no	no											
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	S	8.44	8.46	y	2	vegetation	1	3	5	0			58	no	no											
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	SW	8.48	8.50	n				4		0			75	no	no											
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	W	8.52	8.54	n				4		0			69	no	no											
O Davies	7/7/2011	excavating in grids/bed turning/concrete crushing	NW	8.56	8.58	n				2		0			71	no	no											
O Davies	7/7/2011	bed turning/concrete moving	N	17.10	17.12	n				2		0			62	no	no	clear	9.168			7.3	S	23.5	sun/cloud	4	dry	
O Davies	7/7/2011	bed turning/concrete moving	NE	17.14	17.16	y	2	odour control	1	2	5	0			55	no	no	clear										
O Davies	7/7/2011	bed turning/concrete moving	NE1	17.18	17.19													clear										
O Davies	7/7/2011	bed turning/concrete moving	E	17.21	17.23	y	2	odour control	1	2	5	0			60	no	no	clear	9.663									
O Davies	7/7/2011	bed turning/concrete moving	SE	17.25	17.27	n				3		0			62	no	no											
O Davies	7/7/2011	bed turning/concrete moving	S	17.29	17.31	n				3		0			61	no	no											
O Davies	7/7/2011	bed turning/concrete moving	SW	17.33	17.35	y	2	car exhaust	-1	4	5	0			72	no	no											
O Davies	7/7/2011	bed turning/concrete moving	W	17.37	17.39	y	4	chemical odour/odour control	-1	4	5	0			75	no	no											
O Davies	7/7/2011	bed turning/concrete moving	NW	17.41	17.43	n				2		0			64	no	no											
O Davies	8/7/2011	excavating in grids (11)bed turning	N	9.07	9.09	y	2	vegetation	1	2	5	0			61	no	no	clear	9.17			6.6	S	18.4	rain showers	8	wet	dust/mate not taken due to rain
O Davies	8/7/2011	excavating in grids (11)bed turning	NE	9.11	9.13	n				2		0			57	no	no	clear										
O Davies	8/7/2011	excavating in grids (11)bed turning	NE1	9.15	9.17													clear										
O Davies	8/7/2011	excavating in grids (11)bed turning	E	9.19	9.21	y	3	odour control	1	2	5	0			62	no	no	clear	9.635									
O Davies	8/7/2011	excavating in grids (11)bed turning	SE	9.23	9.25	n				3		0			64	no	no											
O Davies	8/7/2011	excavating in grids (11)bed turning	S	9.27	9.29	n				3		0			67	no	no											
O Davies	8/7/2011	excavating in grids (11)bed turning	SW	9.31	9.33	n				4		0			65	no	no											
O Davies	8/7/2011	excavating in grids (11)bed turning	W	9.35	9.37	n				4		0			71	no	no											
O Davies	8/7/2011	excavating in grids (11)bed turning	NW	9.39	9.41	n				4		0			68	no	no											
O Davies	8/7/2011	excavating in grids/bed turning	N	14.50	14.52	n				2		0	9.8	14.6	61	no	no	clear	9.17	8	S	22.3	cloudy	7	damp	
O Davies	8/7/2011	excavating in grids/bed turning	NE	14.54	14.56	y	2	vegetation	1	2	5	0	12.2	19	62	no	no	clear										
O Davies	8/7/2011	excavating in grids/bed turning	NE1	14.58	15.00								64.7	89.2				clear										
O Davies	8/7/2011	excavating in grids/bed turning	E	15.02	15.04	n				2		0	146.1	122.3	68	no	no	clear	9.636									
O Davies	8/7/2011	excavating in grids/bed turning	SE	15.06	15.08	y	3	odour control	1	3	5	0			64	no	no											
O Davies	8/7/2011	excavating in grids/bed turning	S	15.10	15.12	n				3		0	181.1	146.3	62	no	no											
O Davies	8/7/2011	excavating in grids/bed turning	SW	15.14	15.16	n				4		0			68	no	no											
O Davies	8/7/2011	excavating in grids/bed turning	W	15.18	15.20	n				4		0	46.3	32.9	74	no	no											
O Davies	8/7/2011	excavating in grids/bed turning	NW	15.22	15.24	y	2	vegetation	1	2	5	0			75	no	no											
O Davies	11/7/2011	bed turning	N	11.28	11.30	y	3	vegetation	1	2	5	0	14.3	4.6	57	no	no	clear	9.17			5.5	NW	25.4	sun/cloud	3	dry	
O Davies	11/7/2011	bed turning	NE	11.32	11.34	n				2		0	14.6	19.3	58	no	no	clear										
O Davies	11/7/2011	bed turning	NE1	11.36	11.38								8.8	10.1				clear										
O Davies	11/7/2011	bed turning	E	11.40	11.42	n				2		0	103.2	17.6	61	no	no	clear	9.635									
O Davies	11/7/2011	bed turning	SE	11.44	11.46	y	3	chemical odour	2	3	5	0			65	no	no											
O Davies	11/7/2011	bed turning	S	11.48	11.50	n				3		0	280.2	34.5	61	no	no											
O Davies	11/7/2011	bed turning	SW	11.52	11.54	n				4		0			67	no	no											
O Davies	11/7/2011	bed turning	W	11.56	11.58	n				4		0	78.3	51.1	65	no	no											
O Davies	11/7/2011	bed turning	NW	11.59	12.00	n				2		0			66	no	no											
O Davies	11/7/2011	bed turning	N	16.25	16.27	n				2		0	8.7	4.3	60	no	no	clear	9.17	8		28.6	cloud/sun	8	dry	
O Davies	11/7/2011	bed turning	NE	16.29	16.31	n				2		0	105	32.4	62	no	no	clear										
O Davies	11/7/2011	bed turning	NE1	16.33	16.35								10.5	14.8				clear										
O Davies	11/7/2011	bed turning	E	16.37	16.39	y	5	chemical odour/odour control	-1	2	5	0	18.5	20.8	66	no	no	clear	9.635									
O Davies	11/7/2011	bed turning	SE	16.41	16.43	y	4	chemical odour	-1	3	5	0			67	no	no											
O Davies	11/7/2011	bed turning	S	16.45	16.47	n				3		0	13.4	3.3	64	no	no											
O Davies	11/7/2011	bed turning	SW	16.49	16.51	y	2	odour control	1	4	5	0			65	no	no											
O Davies	11/7/2011	bed turning	W	16.53	16.55	y	4	chemical odour/odour control	-2	4	5	0	61.3	34.9	71	no	no											
O Davies	11/7/2011	bed turning	NW	16.58	16.59	y	2	car exhaust	-1	2	5	0			76	no	no											
O Davies	12/7/2011	bed turning/restoration	N	10.50	10.52	y	2	vegetation	1	2	5	0			60	no	no	clear	9.17			5.1	N	19.9	cloudy	8	dry	
O Davies	12/7/2011	bed turning/restoration	NE	10.54	10.56	n				2		0			59	no	no	clear										
O Davies	12/7/2011	bed turning/restoration	NE1	10.58	11.00													clear										
O Davies	12/7/2011	bed turning/restoration	E	11.02	11.04	n				2		0			62	no	no	clear	9.635									
O Davies	12/7/2011	bed turning/restoration	SE	11.06	11.08	n				3		0			62	no	no											
O Davies	12/7/2011	bed turning/restoration	S	11.10	11.12	n				3		0			64	no	no											
O Davies	12/7/2011	bed turning/restoration	SW	11.14	11.16	n				4		0			68	no	no											
O Davies	12/7/2011	bed turning/restoration	W	11.18	11.20	y	2	odour control	1	4	5	0			72	no	no											
O Davies	12/7/2011	bed turning/restoration	NW	11.22	11.24	n				4		0			67	no	no											
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	N	17.06	17.08	y				2		0	86.6	31	64.4	no	no	clear	9.17			4.4	ne	18.8	overcast dry	7	dry	odour control suppressant diluted to reduce perfume smell
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	NE	16.43	16.45	y	4	vegetation	1	2	5	0	140.3	36.6	66.1	no	no	clear										
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	NE1	16.37	16.41								213.4	44.8				clear										
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	E	16.31	16.36	y	1	vegetation	1	2	5	0	28.2	15.4	68.4	no	no	clear	9.633									
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	SE	16.25	16.29	n	2	vegetation	1	3	5	0			66.3	no	no											
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	S	16.18	16.23	n				3		0	260.7	36.5	70.1	no	no											
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	SW	16.12	16.17	y	5	odour control/vegetation	-1	4	5	0			76.3	no	no											
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	W	16.07	16.11	y	4	odour control/traffic	0	4	3	0	273.1	32.5	77.6	no	no											
M Allsobrook	12/7/2011	excavating in grids/bed turning/concrete crushing	NW	16.06	16.05	y	1	vegetation/fumes	-1	2	5	0			70.1	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	N	10.34	10.39	y	3	vegetation	1	2	5	0	59.2	26.7	58.7	no	no	clear	9.164			2.6	N	16.3	dry overcast	7	dry	
M Allsobrook	13/7/2011	bed turning/restoration/demolition	NE	10.28	10.33	y	3	cut grass	0	2	5	0	62.2	34.4	63.6	no	no	clear										
M Allsobrook	13/7/2011	bed turning/restoration/demolition	NE1	10.23	10.27								27.1	13.2				clear										
M Allsobrook	13/7/2011	bed turning/restoration/demolition	E	10.17	10.22	y	1	vegetation	1	2	5	0	126.5	53.5	62.4	no	no	clear	9.629									
M Allsobrook	13/7/2011	bed turning/restoration/demolition	SE	10.11	10.16	y	1	soil/earth/top	0	3	5	0			65.2	no	no			3	odour control increased							
M Allsobrook	13/7/2011	bed turning/restoration/demolition	S	10.04	10.09	y	2	odour control	0	3	5	0	285.2	160.1	63.7	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	SW	9.57	10.02	y	3	traffic/concrete	-1	4	3	0			78.5	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	W	9.51	9.56	y	3	traffic fumes/odour control	-1	4	3	0	41.4	30.8	69.9	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	NW	9.45	9.50	y	2	traffic fumes	-1	2	5	0			73.5	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	N	16.06	16.11	n				2		0	136.3	14.4	54.9	no	no	clear	9.164			5.1	NW	17	dry overcast	6	dry	
M Allsobrook	13/7/2011	bed turning/restoration/demolition	NE	16.00	16.05	y	3	vegetation	1	2	5	0	88.5	25.6	57.7	no	no	clear										
M Allsobrook	13/7/2011	bed turning/restoration/demolition	NE1	15.52	15.57								88.6	43.4				clear										
M Allsobrook	13/7/2011	bed turning/restoration/demolition	E	15.48	15.51	n				2		0	98.4	29.7	68.1	no	no	clear	9.629									
M Allsobrook	13/7/2011	bed turning/restoration/demolition	SE	15.40	15.45	y	2	odour control/creosote	-1	2	5	0			62.4	no	no	clear		3	odour control diluted							
M Allsobrook	13/7/2011	bed turning/restoration/demolition	S	15.39	15.44	y	1	odour control	0	3	5	0	22.5	19.1	63.5	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	SW	15.33	15.37	y	3	traffic fumes/odour control	-1	4	5	0			73.1	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	W	15.26	15.31	y	3	traffic fumes	-1	4	5	0	146.2	71.1	73.3	no	no											
M Allsobrook	13/7/2011	bed turning/restoration/demolition	NW	16.13	16.18	y	4	traffic fumes	-2	2	5	0			76.7	no	no											

O Davies	14/7/2011	bed turning	N	10.25	10.30	y	2	vegetation	1	2	1	0	37.7	10.7	58	no	no	clear	9.165																
O Davies	14/7/2011	bed turning	NE	10.32	10.37	y	3	vegetation	1	2	1	0	146.8	77.7	82	no	no	clear																		
O Davies	14/7/2011	bed turning	NE1	10.39	10.44								208.9	23.7				clear																		
O Davies	14/7/2011	bed turning	E	10.45	10.50	y	1	TCP odour	-1	2	0	0	45.9	28.5	65	no	no	clear	9.63																	
O Davies	14/7/2011	bed turning	SE	10.52	10.57	y	4	chemical odour	-1	3	0	0			64	no	no																			
O Davies	14/7/2011	bed turning	S	10.59	11.04	y	1	TCP odour	-1	3	0	0	22	54.2	59	no	no																			
O Davies	14/7/2011	bed turning	SW	11.05	11.10	y	5	chemical odour	-2	4	0	0			64	no	no																			
O Davies	14/7/2011	bed turning	W	11.12	11.17	y	2	odour control	1	4	0	0	86.7	41.2	70	no	no																			
O Davies	14/7/2011	bed turning	NW	11.18	11.23										70	no	no																			
M Allsobrook	14/7/2011	bed turning/restoration/demolition	N	16.55	17.00					2			47.1	35.7	32.9	no	no	clear	9.164																	
M Allsobrook	14/7/2011	bed turning/restoration/demolition	NE	16.48	16.53	y	2	cut grass	1	2	1	0	83	13.1	57	no	no	clear																		
M Allsobrook	14/7/2011	bed turning/restoration/demolition	NE1	16.42	16.47								152.4	18				clear																		
M Allsobrook	14/7/2011	bed turning/restoration/demolition	E	16.36	16.41	y	1	vegetation	1	2	1	0	210.1	13.6	66.7	no	no	clear	9.63																	
M Allsobrook	14/7/2011	bed turning/restoration/demolition	SE	16.30	16.35	y	3	mushroom compost/vegetation	0	3	0	0			54.1	no	no																			
M Allsobrook	14/7/2011	bed turning/restoration/demolition	S	16.23	16.28	y	2	odour control	1	3	0	0	786.4	258.1	58.5	no	no																			
M Allsobrook	14/7/2011	bed turning/restoration/demolition	SW	16.17	16.23	y	2	traffic fumes/mushroom compost	-1	4	0	0.1			70.4	no	no																			
M Allsobrook	14/7/2011	bed turning/restoration/demolition	W	16.10	16.15	y	4	traffic fumes	-1	4	0	0	251.1	32.2	77.3	no	no																			
M Allsobrook	14/7/2011	bed turning/restoration/demolition	NW	17.02	17.07	y	3	traffic fumes	-1	2	1	0			61.9	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	N	10.30	10.35					2			4	8.2	60	no	no	clear	9.169																	
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	NE	10.34	10.39					2			8.2	7.9	59	no	no	clear																		
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	NE1	10.37	10.39								203.1	56.1	57	no	no	clear																		
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	E	10.41	10.46	y	2	damp soil odour	0	2	0	0	2.9	7.1	70	no	no	clear	9.631																	
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	SE	10.44	10.45					3		0			62	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	S	10.52	10.53					3		0	7	3.2	68	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	SW	11.01	11.03					4		0			69	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	W	11.06	11.07					4		0	11.5	4.6	67	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	NW	11.09	11.10					2		0			72	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	N	15.50	15.52					2		0	10.3	4.6	63.7	no	no	clear	9.169																	
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	NE	15.55	15.56					2		0	55.7	27.7	60.3	no	no	clear																		
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	NE1	16.00	16.01								335.4	83.1				clear																		
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	E	16.05	16.07					2		0	52.9	46.2	79.1	no	no	clear	9.631																	
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	SE	16.11	16.13					3		0			61	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	S	16.17	16.18					3		0	5.9	4.1	62	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	SW	16.25	16.26					4		0			65	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	W	16.31	16.33	y	2	very slight sweet/damp soil odour	0	4	0	0	38	92.4	72.1	no	no																			
M Lennard	15/7/2011	excavating in grids/bed turning/concrete crushing	NW	16.34	16.36					2		0			73	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	N	10.10	10.12	y	1	damp vegetation	0	2	1	0	31.5	16.7	62	no	no	clear	9.169																	
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	NE	10.15	10.16	y	1	poss. tcp	0	2	0	0	5.8	56.9	70	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	NE1	10.20	10.22								78.1	30.4				clear																		
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	E	10.25	10.26	y	2	sweet solvent	-1	2	0	0	60.6	31.7	68	no	no	clear	9.633																	
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	SE	10.30	10.31					3		0			64	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	S	10.34	10.36					3		0	70	48.8	58.5	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	SW	10.40	10.41					4		0			64	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	W	10.45	10.47	y	3	odour suppression	-1	4	0	0	102.5	47.8	75	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	NW	10.50	10.52					2		0			68	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	N	17.10	17.11	y	2	sweet solvent	0	2	0	0			66	no	no	clear	9.169																	
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	NE	17.15	17.17	y	2	solvent/poss. odour suppressant	-1	2	0	0			64	no	no	clear																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	NE1	17.18	17.19													clear																		
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	E	17.24	17.25	y	1	sweet solvent	-1	2	0	0			61	no	no	clear	9.633																	
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	SE	17.28	17.29					3		0			58	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	S	17.33	17.35					3		0			59	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	SW	17.39	17.40					4		0			58	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	W	17.43	17.44					4		0			76	no	no																			
M Lennard	18/7/2011	excavating in grids/bed turning/concrete crushing	NW	17.46	17.47					2		0			74.5	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	N	12.04	12.05	y	2	organic plant	-2	2	1	0	80.8	2.7	57	no	no	clear	9.161	2	n	18	dry cloudy	5	damp											
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	NE	12.07	12.08	y	2	organic plant and very faint intermittent	-2	2	1	0	44	6.3	57	no	no	clear																		
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	NE1	12.07	12.09								108	16.1				fenced off																		
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	E	12.09	12.11	y	1	organic plant	-1	2	1	0	108	14.3	65	no	no	clear	9.629																	
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	SE	12.12	12.13	y	2	slight and intermittent chemical odours	-2	3	0	0			56	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	S	12.15	12.17					3		0	171	54	58	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	SW	12.21	12.22					4		0			69	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	W	12.23	12.24					4		0	143	23	76	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning/concrete crushing	NW	12.00	12.02	y	1	plants	-3	2	0	0			69.6	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning	N	16.16	16.17					2		0	75	3.1	61	no	no	clear	9.161	5	nw	16	overcast rain shower	7	damp											
E Liddle	19/7/2011	excavating in grids/bed turning	NE	16.19	16.20					2		0	62	4.9	69	no	no	fenced off																		
E Liddle	19/7/2011	excavating in grids/bed turning	NE1	16.22	16.23								89	0.9				clear																		
E Liddle	19/7/2011	excavating in grids/bed turning	E	16.25	16.27	y	2	acetone odour	1	2	0	0.1	98	3.7	79	no	no	clear	9.628																	
E Liddle	19/7/2011	excavating in grids/bed turning	SE	16.31	16.33	y	3	acetone chemical odour	1	3	0	0			61	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning	S	16.44	16.45	y	3	chemical odour	0	3	0	0	102	9.8	76	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning	SW	16.51	16.53	y	2	slight and infrequent chemical odour	1	4	0	0			69	yes	no																			
E Liddle	19/7/2011	excavating in grids/bed turning	W	16.11	16.13					4		0			64	no	no																			
E Liddle	19/7/2011	excavating in grids/bed turning	NW	16.10	16.13					2		0			75	no	no																			
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	N	8.59	9.01	y	1	light plant odour	0	2	0	0	51.3	38.4	59	no	no	clear	9.161	5	S	15	dry overcast	7	wet										
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	NE	9.04	9.05	y	1	light plant odour	0	2	0	0	29.7	59.7	63	no	no	fenced off																		
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	NE1	9.07	9.08								54.2	51.5				clear																		
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	E	9.10	9.11	y	3	light chemical odour	1	2	0	0	75.1	55.5	60	no	no	clear	9.628																	
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	SE	9.13	9.14	y	3	light chemical odour	1	3	0	0			63	no	no																			
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	S	9.16	9.17	y	2	very light intermittent chemical/plant odour	0	3	0	0	188.9	29.4	68	no	no																			
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	SW	9.23	9.25					4		0			68	no	no																			
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	W	9.36	9.37	y	2	very slight and intermittent chemical odour	1	4	0	0	46.5	42.1	64	no	no																			
E Liddle	20/7/2011	excavating in grids t10/10/bed turning	NW	8.55	8.57	y	1	light plant odour	0	2	0	0			74	no	no																			
E Liddle	20/7/2011	excavating in grids/bed turning	N	16.37	16.38					2		0	9.1	16.4	59	no	no	clear	9.161	5	W	16	dry overcast	8	damp										
E Liddle	20/7/2011	excavating in grids/bed turning	NE	16.33	16.35					2		0	5.9	9	63	no	no	fenced off																		
E Liddle	20/7/2011	excavating in grids/bed turning	NE1	16.36	16.32								15.4	5.5				clear																		
E Liddle	20/7/2011	excavating in grids/bed turning	E	16.29	16.27	y				2		0	15	11	61	no	no	clear	9.628																	
E Liddle	20/7/2011	excavating in grids/bed turning	SE	16.22	16.23	y	2	very faint and infrequent chemical odour	1	3	0	0			65	no	no																			
E Liddle	20/7/2011	excavating in grids/bed turning	S	16.17	16.19	y	2	very faint and infrequent chemical odour	1	3	0	0	113.1	12.6	62	no	no																			
E Liddle	20/7/2011	excavating in grids/bed turning	SW	16.14	16.16					4		0			79	no	no																			
E Liddle	20/7/2011	excavating in grids/bed turning	W	16.08	16.09					4		0	28.6	8.8	66	yes	no																			
E Liddle	20/7/2011	excavating in grids/bed turning	NW	16.03	16.05					2		0			61	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	N	10.43	10.44					2		0	146	42	59	no	no	clear	9.161	5	S	16	cloudy	8	damp										
E Liddle	21/7/2011	excavating in grids/bed turning	NE	10.47	10.48					2		0	104	92	68	no	no	clear																		
E Liddle	21/7/2011	excavating in grids/bed turning	NE1	10.49	10.50								143	79				clear																		
E Liddle	21/7/2011	excavating in grids/bed turning	E	10.51	10.52					2		0	150	89	49	no	no	clear	9.622																	
E Liddle	21/7/2011	excavating in grids/bed turning	SE	10.54	10.55	y	2	very slight chemical odour, infrequent	0	3	0	0.1			61	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	S	11.04	11.06	y	2	very slight chemical odour, infrequent	0	3	0	0	151	146	65	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	SW	11.07	11.08					4		0.1			69	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	W	11.09	11.10					4		0	142	139	72	yes	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	NW	10.40	10.41					2		0			62	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	N	15.29	15.30					2		0	131	55	60	no	no	clear	9.16	5	SW	17	cloudy occasional rain	7	dry										
E Liddle	21/7/2011	excavating in grids/bed turning	NE	15.32	15.34					2		0	109	87	73	no	no	clear																		
E Liddle	21/7/2011	excavating in grids/bed turning	NE1	15.37	15.40								171	39				clear																		
E Liddle	21/7/2011	excavating in grids/bed turning	E	15.42	15.47					2		0	152	71	64	no	no	clear	9.621																	
E Liddle	21/7/2011	excavating in grids/bed turning	SE	15.51	15.53	y	2	very slight chemical odour, periodic	0	3	0	0			63	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	S	15.58	15.59	y	2	very slight chemical odour, periodic	0	3	0	0	121	161	73	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	SW	16.07	16.15					4		0			80	no	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	W	16.18	16.22					4		0	133	159	70	yes	no																			
E Liddle	21/7/2011	excavating in grids/bed turning	NW	15.25	15.27					2		0			69	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	N	9.36	9.38					2		0	95	32	61	no	no	clear	9.161	5	n	15	sunny	3	dry										
E Liddle	22/7/2011	excavating in grids/bed turning	NE	9.40	9.41					2		0	92	47	60	no	no	clear																		
E Liddle	22/7/2011	excavating in grids/bed turning	NE1	9.45	9.46								87	39				clear																		
E Liddle	22/7/2011	excavating in grids/bed turning	E	9.53	9.55					2		0	109	53	63	no	no	clear	9.62																	
E Liddle	22/7/2011	excavating in grids/bed turning	SE	9.58	10.01					3		0			67	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	S	10.05	10.08	y	2	faint chemical odour sporadic	1	3	0	0	98	22	62	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	SW	10.15	10.16	y	3	chemical odour	1	4	0	0			63	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	W	10.20	10.22					4		0	105	39	68	yes	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	NW	9.30	9.33					2		0			66	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	N	15.19	15.21					2		0	48	61	54	no	no	clear	9.161	5-10	n	16	overcast sunny spells	6	dry										
E Liddle	22/7/2011	excavating in grids/bed turning	NE	15.22	15.24					2		0	68	41	60	no	no	clear																		
E Liddle	22/7/2011	excavating in grids/bed turning	NE1	15.30	15.31								64	28				clear																		
E Liddle	22/7/2011	excavating in grids/bed turning	E	15.32	15.33					2		0	93	8	52	no	no	clear	9.62																	
E Liddle	22/7/2011	excavating in grids/bed turning	SE	15.40	15.42					3		0			63	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	S	15.45	15.47	y	2	very faint chemical odour	1	3	0	0	110	61	61	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	SW	15.51	15.52					4		0			77	no	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	W	15.54	15.57	y	2	very faint chemical odour	0	4	0	0	102	118	79	yes	no																			
E Liddle	22/7/2011	excavating in grids/bed turning	NW	15.15	15.17					2		0			48	no	no																			
O Davies	25/7/2011	bed turning	N	10.50	10.52	y	2	vegetation	1	2	1	0	13.9	72.7	60	no	no	clear	9.161	8	nna	20	overcast	8	dry										
O Davies	25/7/2011	bed turning	NE	10.54	10.56	y	3	manure	-2	2	1	0	955	520	55	no	no																			
O Davies	25/7/2011	bed turning	NE1	10.58	11.00								20.8	18.2				clear																		
O Davies	25/7/2011	bed turning	E	11.02	11.04	y	3	chemical odour	-1	2	0	0	108.1	28	46	no	no	clear	9.622																	
O Davies	25/7/2011	bed turning	SE	11.06	11.08	y	4	chemical odour	-1	3	0	0			58	no	no																			
O Davies	25/7/2011	bed turning	S	11.10	11.12					3		0	38.2	25.7	64	no	no																			
O Davies	25/7/2011	bed turning	SW	11.14	11.16	y	4	chemical odour	-2	4	0	0			57	no	no																			
O Davies	25/7/2011	bed turning	W	11.18	11.20	y	1	odour control	1	4	0	0	78.5	75.4	71	no	no																			
O Davies	25/7/2011	bed turning	NW	11.22	11.24	y	2	odour control	1	4	0	0			66	no	no																			
O Davies	25/7/2011	bed turning	N	16.12	16.14					2		0	46.8	34.3	58	no	no	clear	9.161	4.6	NE	21.9	overcast	8	dry										
O Davies	25/7/2011	bed turning	NE	16.16	16.18	y	1	vegetation and solvents	-1	2	0	0	126.1	57.9	63	no	no	no access																		
O Davies	25/7/2011	bed turning	NE1	16.20	16.22								14.3	12.8				no access																		
O Davies	25/7/2011	bed turning	E	16.24	16.26	y	2	chemical odour	-1	2	0	0			55	no	no	clear	9.623																	
O Davies	25/7/2011	bed turning	SE	16.28	16.30	y	2	vegetation	0	3	0	0			60	no	no																			
O Davies	25/7/2011	bed turning	S	16.32	16.34	y	2	vegetation and chemical odour	0	3	0	0			55	no	no																			
O Davies	25/7/2011	bed turning	SW	16.36	16.38	y	4	vegetation and chemical odour	-1	4	0	0			65	no	no																			
O Davies	25/7/2011	bed turning	W	16.40	16.42	y	2	odour control	1	4	0	0			72	no	no																			
O Davies	25/7/2011	bed turning	NW	16.46	16.48					2		0			75	no	no																			
O Davies	26/7/2011	bed turning	N	10.55	10.57	y	3	vegetation	1	2	1	0	31.5	12.3	63	no	no	clear	9.157	8	nna	19.8	overcast	8	dry										
O Davies	26/7/2011	bed turning	NE	10.59	11.01	y	2	chemical odour	-1	2	0	0	16.7	17.3	55	no	no	no access																		
O Davies	26/7/2011	bed turning	NE1	11.03	11.05								14	14.9				no access																		
O Davies	26/7/2011	bed turning	E	11.07	11.09	y	1	vegetation	1	2	1	0	81.3	27.1	58	no	no	clear	9.628																	
O Davies	26/7/2011	bed turning	SE	11.11	11.13	y	3	odour control	1	3	0	0			54	no	no																			

O Davies	26/7/2011	bed turning	S	11.15	11.17	6						3		0	86.6	35.5	61	no	no														
O Davies	26/7/2011	bed turning	SW	11.19	11.21	y	3	chemical odour	2	4	S	0			64	no	no																
O Davies	26/7/2011	bed turning	W	11.23	11.25	y	2	odour control	1	4	S	0	38.4	40	72	no	no																
O Davies	26/7/2011	bed turning	NW	11.27	11.29	6				2		0			69	no	no																
I Stephenson	26/7/2011	bed turning/restoration	N	17.10	17.15	6				2		0	50.7	38.8	82.7	no	no	clear	9.157	0	6		0	new	16.4	cloudy	8	damp	no odour at church				
I Stephenson	26/7/2011	bed turning/restoration	NE	17.05	17.10	6				2		0	150.6	17.8	85.8	no	no	clear		0	6												
I Stephenson	26/7/2011	bed turning/restoration	NE1	17.00	17.05	6						0	81.5	32.5				clear		0	6												
I Stephenson	26/7/2011	bed turning/restoration	E	16.55	17.00	6				2		0	36	92.1	56.9	no	no	clear	9.626	0	6												
I Stephenson	26/7/2011	bed turning/restoration	SE	16.50	16.55	y	4	hydrocarbon/vehicle fumes	0	3	S	0			69.9	no	no			0	6												
I Stephenson	26/7/2011	bed turning/restoration	S	16.45	16.50	6				3		0	61.4	23.8	38.5	no	no			0	6												
I Stephenson	26/7/2011	bed turning/restoration	SW	16.40	16.45	y	5	solvents and car fumes	-1	4	S	0			74.9	no	no			0	6												
I Stephenson	26/7/2011	bed turning/restoration	W	16.35	16.40	y	5	conifers and car fumes	-1	4	S	0	24.1	30.6	74.6	no	no			0	6												
I Stephenson	26/7/2011	bed turning/restoration	NW	16.30	16.35	6				2		0			60.9	no	no			0	6												
O Davies	27/7/2011	bed turning	N	11.10	11.12	6				2		0	29.6	15.2	53	no	no	clear	9.157				0	nra	17.8	overcast	8	dry					
O Davies	27/7/2011	bed turning	NE	11.14	11.16	y	3	vegetation	1	2	1	0	39.9	47.6	58	no	no																
O Davies	27/7/2011	bed turning	NE1	11.18	11.20	6						0	14.3	26.6				clear															
O Davies	27/7/2011	bed turning	E	11.22	11.24	y	3	vegetation and odour control	1	2	3	0	38.5	43.5	60	no	no	clear	9.625														
O Davies	27/7/2011	bed turning	SE	11.26	11.28	y	3	chemical odour	-1	3	S	0			67	no	no																
O Davies	27/7/2011	bed turning	S	11.30	11.32	y	3	odour control	1	3	S	0	67.5	40.1	63	no	no																
O Davies	27/7/2011	bed turning	SW	11.34	11.36	y	3	slight chemical odour mostly odour control	0	4	S	0			65	no	no																
O Davies	27/7/2011	bed turning	W	11.38	11.40	6				4		0	85.7	54.2	73	no	no																
O Davies	27/7/2011	bed turning	NW	11.42	11.44	y	2	car exhausts	-1	2	3	0			77	no	no																
I Stephenson	27/7/2011	bed turning/restoring no odorous material	N	17.10	17.15	6				2		0	97	52	59.3	no	no	clear	9.158	0	6		3	8	21.5	sunny	5	dry	no odour at church consistent with wind direction				
I Stephenson	27/7/2011	bed turning/restoring no odorous material	NE	17.05	17.10	y	5	river weed	-3	2	1	0	60	51.6	60.5	no	no	clear		0	6												
I Stephenson	27/7/2011	bed turning/restoring no odorous material	NE1	17.00	17.05	6							26.7	80.5				clear		0	6												
I Stephenson	27/7/2011	bed turning/restoring no odorous material	E	16.55	17.00	6				2		0	47.8	11.9	59.2	no	no	clear	9.626	0	6		0										
I Stephenson	27/7/2011	bed turning/restoring no odorous material	SE	16.50	16.55	6				3		0			52.1	no	no			0	6												
I Stephenson	27/7/2011	bed turning/restoring no odorous material	S	16.45	16.50	6				3		0	24.2	34.5	58.9	no	no			0	6		0										
I Stephenson	27/7/2011	bed turning/restoring no odorous material	SW	16.40	16.45	y	5	earthy hydrocarbon odour and odour control	0	4	S	0			67.9	no	no			0	6	seal beds move foggers												
I Stephenson	27/7/2011	bed turning/restoring no odorous material	W	16.35	16.40	y	4	odour control	1	4	S	0	180.8	44.6	76.5	no	no			0	6												
I Stephenson	27/7/2011	bed turning/restoring no odorous material	NW	16.30	16.35	y	3	odour control	0	2	S	0			74.8	no	no			0	6												
O Davies	28/7/2011	bed turning	N	9.10	9.12	y	2	vegetation	1	2	3	0			58	no	no	clear	9.157				0	nra	18	overcast	8	dry					
O Davies	28/7/2011	bed turning	NE	9.14	9.16	6				2		0			62	no	no	clear															
O Davies	28/7/2011	bed turning	NE1	9.18	9.20	6						0						clear															
O Davies	28/7/2011	bed turning	E	9.22	9.24	y	2	chemical odour	-1	2	S	0			65	no	no	clear	9.628														
O Davies	28/7/2011	bed turning	SE	9.26	9.28	6				3		0			63	no	no																
O Davies	28/7/2011	bed turning	S	9.30	9.32	6				3		0			54	no	no																
O Davies	28/7/2011	bed turning	SW	9.34	9.36	y	4	odour control	1	4	S	0			71	no	no																
O Davies	28/7/2011	bed turning	W	9.38	9.40	y	3	odour control	1	4	S	0			75	no	no																
O Davies	28/7/2011	bed turning	NW	9.42	9.44	6				2		0			73	no	no																
O Davies	28/7/2011	bed turning	N	13.20	13.22	y	4	vegetation	2	2	1	0	13.1	17.9	59	no	no	clear	9.157	2.9	SE	27.4	sunny	3	dry							
O Davies	28/7/2011	bed turning	NE	13.24	13.26	6				2		0	54.8	37.2	64	no	no	clear															
O Davies	28/7/2011	bed turning	NE1	13.28	13.30	6						0	12.8	14.5				clear															
O Davies	28/7/2011	bed turning	E	13.32	13.34	6				2		0	143	132.7	64	no	no	clear	9.628														
O Davies	28/7/2011	bed turning	SE	13.36	13.38	y	2	vegetation	1	3	1	0			62	no	no																
O Davies	28/7/2011	bed turning	S	13.40	13.42	y	4	odour control	1	3	S	0	48	56.7	64	no	no																
O Davies	28/7/2011	bed turning	SW	13.44	13.46	y	2	odour control	1	4	S	0			73	no	no																
O Davies	28/7/2011	bed turning	W	13.48	13.50	y	3	odour control	1	4	S	0	48.8	42.1	77	no	no																
O Davies	28/7/2011	bed turning	NW	13.52	13.54	6				2		0			74	no	no																
O Davies	29/7/2011	bed turning	N	9.50	9.52	6				2		0	71.1	107.4	58	no	no	clear	9.150	0	nra	16.1	overcast	8	dry							
O Davies	29/7/2011	bed turning	NE	9.54	9.56	6				2		0	116.6	78.9	62	no	no																
O Davies	29/7/2011	bed turning	NE1	9.58	10.00	6							105.3	91.2				clear															
O Davies	29/7/2011	bed turning	E	10.02	10.04	y	2	vegetation	-1	2	1	0	119.5	108.4	67	no	no	clear	9.624														
O Davies	29/7/2011	bed turning	SE	10.06	10.08	y	4	chemical odour and odour control	0	3	S	0			74	no	no																
O Davies	29/7/2011	bed turning	S	10.10	10.12	y	3	chemical odour	-1	3	S	0	158.3	124.9	67	no	no																
O Davies	29/7/2011	bed turning	SW	10.14	10.16	y	5	odour control	1	4	S	0			71	no	no																
O Davies	29/7/2011	bed turning	W	10.18	10.20	y	4	odour control and car exhaust	0	4	3	0	130	102.8	76	no	no																
O Davies	29/7/2011	bed turning	NW	10.22	10.24	6				2		0			64	no	no																
I Stephenson	29/7/2011	bed turning/restoration	N	16.45	16.50	6				2		0			85.8	no	no	clear	9.159	0	6		3.2	NE	23	cloudy	7	dry	no odour at church				
I Stephenson	29/7/2011	bed turning/restoration	NE	16.40	16.45	6				2		0			63.2	no	no	clear		0	6												
I Stephenson	29/7/2011	bed turning/restoration	NE1	16.35	16.40	6												clear		0	6												
I Stephenson	29/7/2011	bed turning/restoration	E	16.30	16.35	6				2		0			66.4	no	no	clear	9.624	0	6												
I Stephenson	29/7/2011	bed turning/restoration	SE	16.25	16.30	6				3		0			68.1	no	no			0	6												
I Stephenson	29/7/2011	bed turning/restoration	S	16.20	16.25	6				3		0			66.3	no	no			0	6												
I Stephenson	29/7/2011	bed turning/restoration	SW	16.15	16.20	6				4		0			78.2	no	no			0	6												
I Stephenson	29/7/2011	bed turning/restoration	W	16.10	16.15	y	3	slight solvent and car fumes	-1	4	2	0			79.8	no	no			0	6												
I Stephenson	29/7/2011	bed turning/restoration	NW	16.05	16.10	6				2		0			78.9	no	no			0	6												

Appendix C

Long term Passive VOC Monitoring

gradko environmental
(A division of Gradko International Ltd.)
St. Martins House, 77 Wales Street Winchester, Hampshire SO23 0RH
tel.: 01962 860331 fax: 01962 841339 e-mail:diffusion@gradko.co.uk

UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

REPORT NUMBER	**GCMS 4835**
CUSTOMER	**Vertase FLI Ltd**
GRADKO LAB REFERENCE	**GMSF 1036-1045**
DATE SAMPLES RECEIVED	**18.07.11**
DESPATCH REF.NUMBER	**SOR006001**
JOB NUMBER	**907BRI/5302**
BOOKING IN REF.	**E 3676**

SEMI-QUANTITATIVE ANALYSIS FOR
TOP 10 VOC'S ON TENAX DIFFUSION TUBES BY GC/MS
Analysis has been carried out in accordance with in-house method GLM 13

Tube Number	**GRA 02326**
Exposure Time(mins)	**40320**
Sample ID	**West**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	173.68	2.15
Toluene	57.22	0.71
Benzamide, N,N-dimethyl-	45.04	0.56
Benzene, 1,2,3-trichloro-4-methyl-	41.88	0.52
Benzothiazole	22.00	0.27
Tridecane	20.52	0.25
Cyclohexane, isothiocyanato-	19.21	0.24
Naphthalene	18.64	0.23
Benzene, 1,2,4-trichloro-3-methyl-	15.70	0.19
Benzene, 1,2,4-trichloro-	14.84	0.18

Tube Number	**GRA 02342**
Exposure Time(mins)	**40320**
Sample ID	**East**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	276.08	3.42
m/p-Xylene	152.41	1.89
Naphthalene	123.32	1.53
Benzene, 1,2,3-trichloro-4-methyl-	93.39	1.16

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REPORT OFFICIALLY CHECKED

Gradko International Ltd
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Signed.....
L. Gates, Laboratory Supervisor

gradko environmental
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St. Martins House, 77 Wales Street Winchester, Hampshire SO23 0RH
tel.: 01962 860331 fax: 01962 841339 e-mail:diffusion@gradko.co.uk

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LABORATORY ANALYSIS REPORT

o-Xylene	59.55	0.74
Toluene	58.95	0.73
Benzene, 1,2,4-trichloro-3-methyl-	47.52	0.59
Ethylbenzene	41.41	0.51
Benzene, 1,2,4-trimethyl-	32.89	0.41
Benzene, 1,2,4-trichloro-	32.86	0.41

Tube Number **GRA 05901**
Exposure Time(mins) **40320**
Sample ID **North West**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	214.79	2.66
Toluene	43.99	0.55
Benzene, 1,2,3-trichloro-4-methyl-	36.52	0.45
Benzamide, N,N-dimethyl-	31.75	0.39
Bis(2-chloroethyl) ether	20.35	0.25
Benzothiazole	19.93	0.25
m/p-Xylene	16.06	0.20
Phenol	15.01	0.19
Benzene, 1,2,4-trichloro-3-methyl-	13.75	0.17
o-Xylene	12.39	0.15

Tube Number **GRA 04578**
Exposure Time(mins) **40320**
Sample ID **South West**
Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	179.79	2.23
Benzene, 1,2,3-trichloro-4-methyl-	46.82	0.58
Benzothiazole	34.58	0.43
Toluene	28.91	0.36
Benzene, 1,2,4-trichloro-3-methyl-	25.90	0.32
Benzene, 1,4-dichloro-2-methyl-	18.56	0.23
Tridecane	15.89	0.20
Naphthalene	15.27	0.19
Bis(2-chloroethyl) ether	15.21	0.19
Benzene, 1,2,4-trichloro-	12.43	0.15

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LABORATORY ANALYSIS REPORT

Tube Number	**GRA 05088**
Exposure Time(mins)	**40320**
Sample ID	**North East**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	223.63	2.77
Benzene, 1,2,3-trichloro-4-methyl-	78.45	0.97
Toluene	41.31	0.51
Benzene, 1,2,4-trichloro-3-methyl-	36.48	0.45
Naphthalene	34.77	0.43
Benzene, 1,4-dichloro-	33.99	0.42
m/p-Xylene	31.72	0.39
Dodecane	25.41	0.32
Benzamide, N,N-dimethyl-	24.96	0.31
Benzothiazole	24.94	0.31

Tube Number	**GRA 04671**
Exposure Time(mins)	**40320**
Sample ID	**South**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	66.98	0.83
Benzothiazole	35.66	0.44
Toluene	33.71	0.42
Benzene, 1,2,3-trichloro-4-methyl-	21.97	0.27
Formamide, N,N-dimethyl-	11.29	0.14
Cyclohexane, isocyanato-	10.72	0.13
Naphthalene, 2-methyl-	10.45	0.13
Benzene	8.40	0.10
Phenol	7.91	0.10
m/p-Xylene	7.87	0.10

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gradko environmental
(A division of Gradko International Ltd.)
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LABORATORY ANALYSIS REPORT

Tube Number	**GRA 05603**
Exposure Time(mins)	**40320**
Sample ID	**South East**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	211.44	2.62
Toluene	84.49	1.05
Benzene, 1,2,3-trichloro-4-methyl-	73.74	0.91
m/p-Xylene	41.79	0.52
Benzene, 1,2,4-trichloro-3-methyl-	38.27	0.47
Benzothiazole	36.24	0.45
Benzamide, N,N-dimethyl-	35.37	0.44
Bis(2-chloroethyl) ether	26.20	0.32
Naphthalene, 2,7-dimethyl-	24.83	0.31
Naphthalene	24.05	0.30

Tube Number	**GRA 03473**
Exposure Time(mins)	**40320**
Sample ID	**Church Road**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Naphthalene	1079	13
Phenanthrene	151.30	1.88
Naphthalene, 2-methyl-	131.25	1.63
Acenaphthene	83.36	1.03
Naphthalene, 1-methyl-	79.28	0.98
Fluorene	49.21	0.61
Tetrachloroethylene	32.27	0.40
2-Benzothiophene	24.65	0.31
Toluene	24.40	0.30
Naphthalene, 2,6-dimethyl-	24.27	0.30

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gradko environmental
(A division of Gradko International Ltd.)
St. Martins House, 77 Wales Street Winchester, Hampshire SO23 0RH
tel.: 01962 860331 fax: 01962 841339 e-mail:diffusion@gradko.co.uk

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LABORATORY ANALYSIS REPORT

Tube Number	**GRA 02024**
Exposure Time(mins)	**40320**
Sample ID	**Queen's Close**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Pentane, 3-methyl-	103.24	1.28
Pentane, 2-methyl-	95.55	1.18
Hexane	92.45	1.15
Cyclopentane, methyl-	79.49	0.99
Benzothiazole	34.37	0.43
Isopropyl Alcohol	34.00	0.42
Toluene	29.60	0.37
m/p-Xylene	29.43	0.36
Benzene	19.57	0.24
o-Xylene	19.50	0.24

Tube Number	**GRA 06231**
Exposure Time(mins)	**40320**
Sample ID	**WWTW**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Benzothiazole	37.83	0.47
Pentane, 3-methyl-	26.53	0.33
Pentane, 2-methyl-	25.94	0.32
Tetrachloroethylene	24.81	0.31
Hexane	24.18	0.30
Toluene	21.77	0.27
Cyclopentane, methyl-	20.53	0.25
Benzamide, N,N-dimethyl-	19.26	0.24
m/p-Xylene	18.52	0.23
Naphthalene	16.41	0.20

Comments: Results greater than 1000ng are outside of our UKAS accredited calibration range.
Semi-quantitative results for ng on tube are calculated using toluene standards.

Analysts Name **M.Angelova** **Date of Analysis** **27.07.11**
Date of Report **28.07.11**

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Appendix D

Directional Dust Monitoring

Chemtest
The right chemistry to deliver results

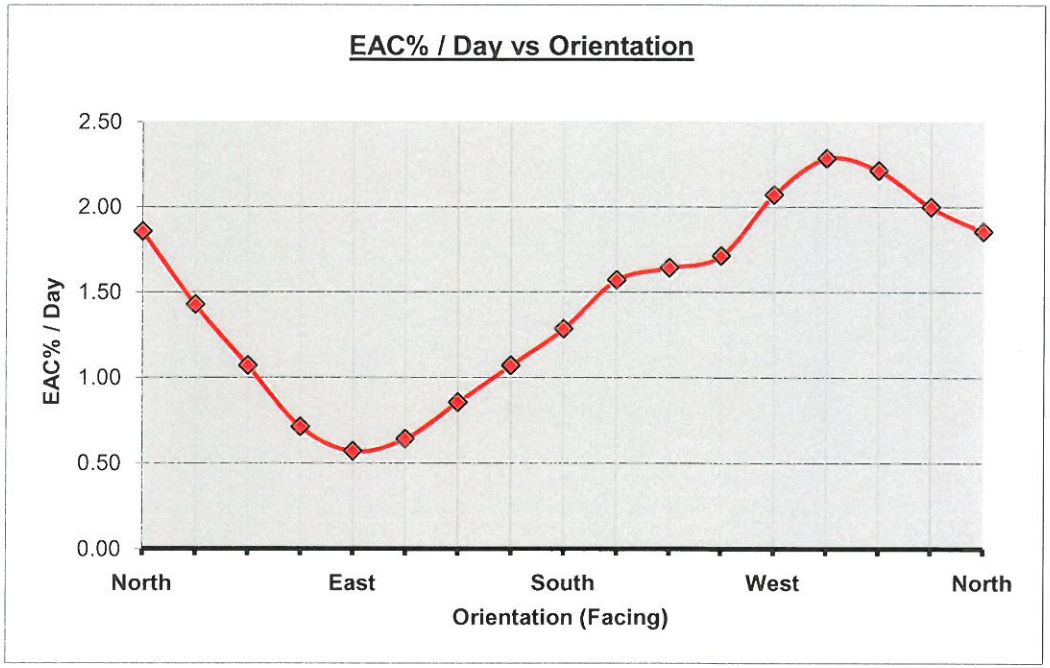
Sticky Pad Data

Gauge Number-East Location 907BRI

Sticky Pad Data

Date On 27/06/2011 Date Off 11/07/2011 Days = 14
Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	74	360	North	1.86
20	72	337		2.00
40	69	314		2.21
60	68	291		2.29
80	71	269	West	2.07
100	76	246		1.71
120	77	223		1.64
140	78	200		1.57
160	82	177	South	1.29
180	85	154		1.07
200	88	131		0.86
220	91	109		0.64
240	92	86	East	0.57
260	90	63		0.71
280	85	40		1.07
300	80	17		1.43
315	74	0	North	1.86



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

Sticky Pad Data

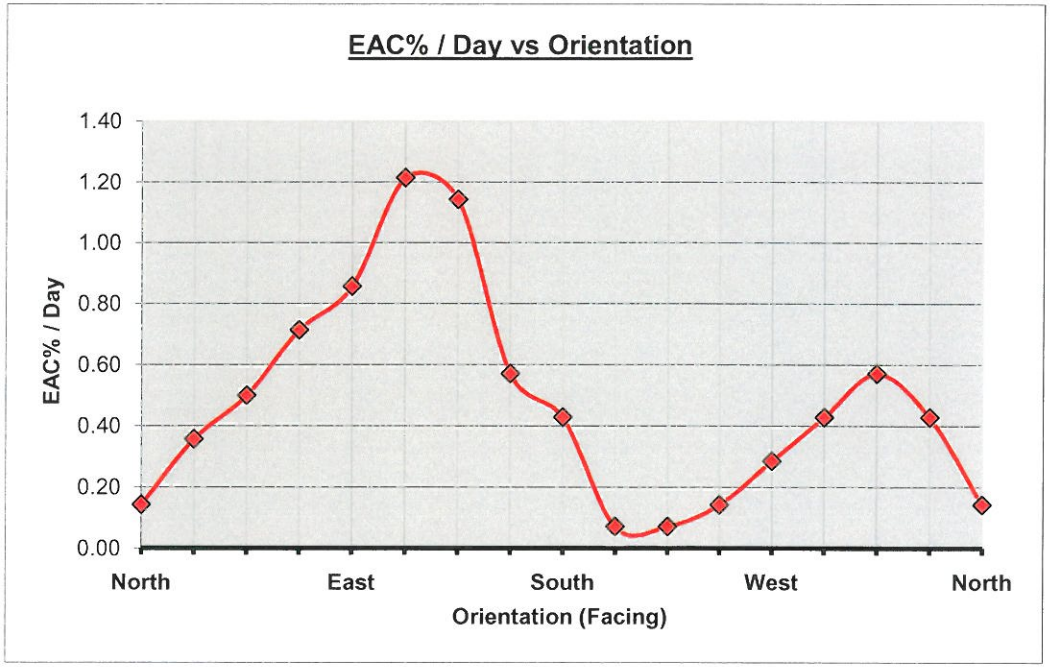
Gauge Number-NE1 Location 907BRI

Sticky Pad Data

Date On 27/06/2011 Date Off 11/07/2011 Days = 14

Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	98	360	North	0.14
20	94	337		0.43
40	92	314		0.57
60	94	291		0.43
80	96	269	West	0.29
100	98	246		0.14
120	99	223		0.07
140	99	200		0.07
160	94	177	South	0.43
180	92	154		0.57
200	84	131		1.14
220	83	109		1.21
240	88	86	East	0.86
260	90	63		0.71
280	93	40		0.50
300	95	17		0.36
315	98	0	North	0.14



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

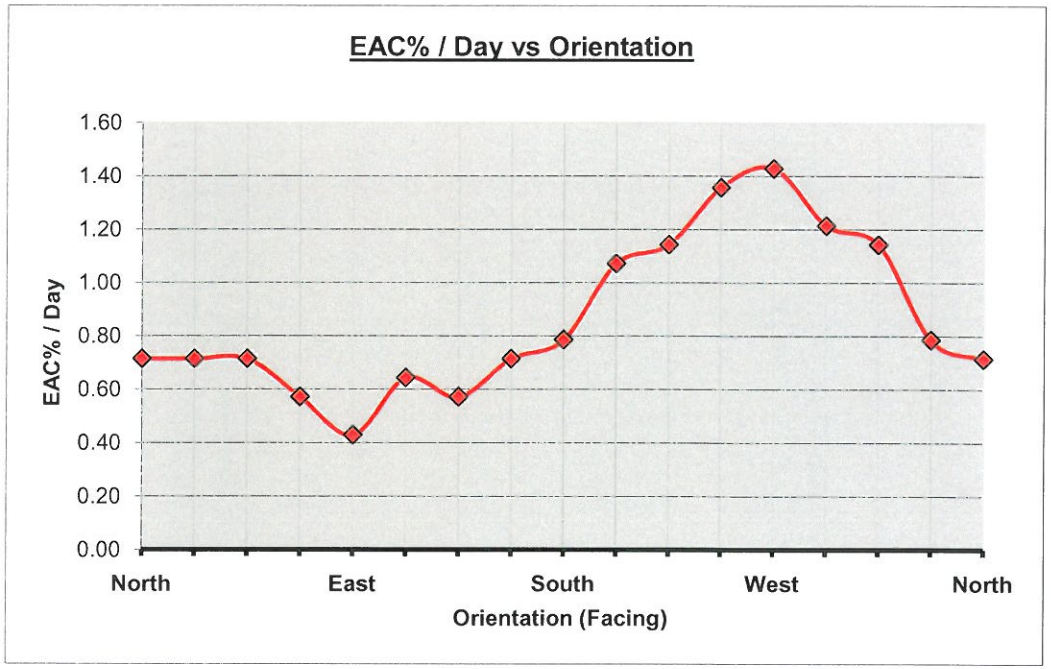
Sticky Pad Data

Gauge Number-NE2 Location 907BRI

Sticky Pad Data

Date On 27/06/2011 Date Off 11/07/2011 Days = 14
Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	90	360	North	0.71
20	89	337		0.79
40	84	314		1.14
60	83	291		1.21
80	80	269	West	1.43
100	81	246		1.36
120	84	223		1.14
140	85	200		1.07
160	89	177	South	0.79
180	90	154		0.71
200	92	131		0.57
220	91	109		0.64
240	94	86	East	0.43
260	92	63		0.57
280	90	40		0.71
300	90	17		0.71
315	90	0	North	0.71



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

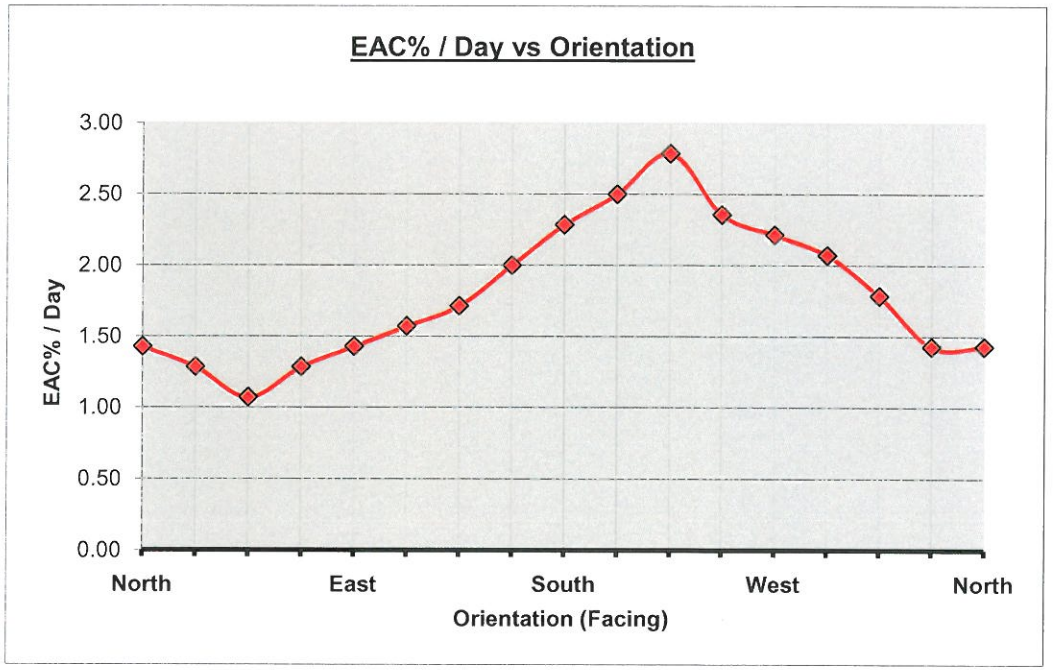
Sticky Pad Data

Gauge Number-South Location 907BRI

Sticky Pad Data

Date On 27/06/2011 Date Off 11/07/2011 Days = 14
Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	80	360	North	1.43
20	80	337		1.43
40	75	314		1.79
60	71	291		2.07
80	69	269	West	2.21
100	67	246		2.36
120	61	223		2.79
140	65	200		2.50
160	68	177	South	2.29
180	72	154		2.00
200	76	131		1.71
220	78	109		1.57
240	80	86	East	1.43
260	82	63		1.29
280	85	40		1.07
300	82	17		1.29
315	80	0	North	1.43



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

Sticky Pad Data

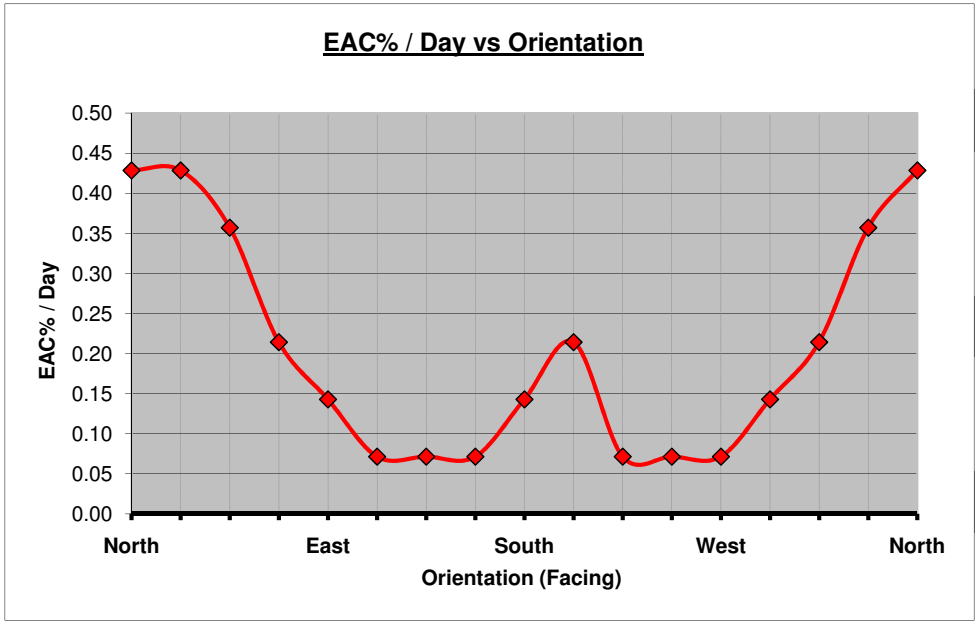
Gauge Number-North Location 907BRI

Sticky Pad Data

Date On 11/07/2011 Date Off 25/07/2011 Days = 14

Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	94	360	North	0.43
20	95	337		0.36
40	97	314		0.21
60	98	291		0.14
80	99	269	West	0.07
100	99	246		0.07
120	99	223		0.07
140	97	200		0.21
160	98	177	South	0.14
180	99	154		0.07
200	99	131		0.07
220	99	109		0.07
240	98	86	East	0.14
260	97	63		0.21
280	95	40		0.36
300	94	17		0.43
315	94	0	North	0.43



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

Sticky Pad Data

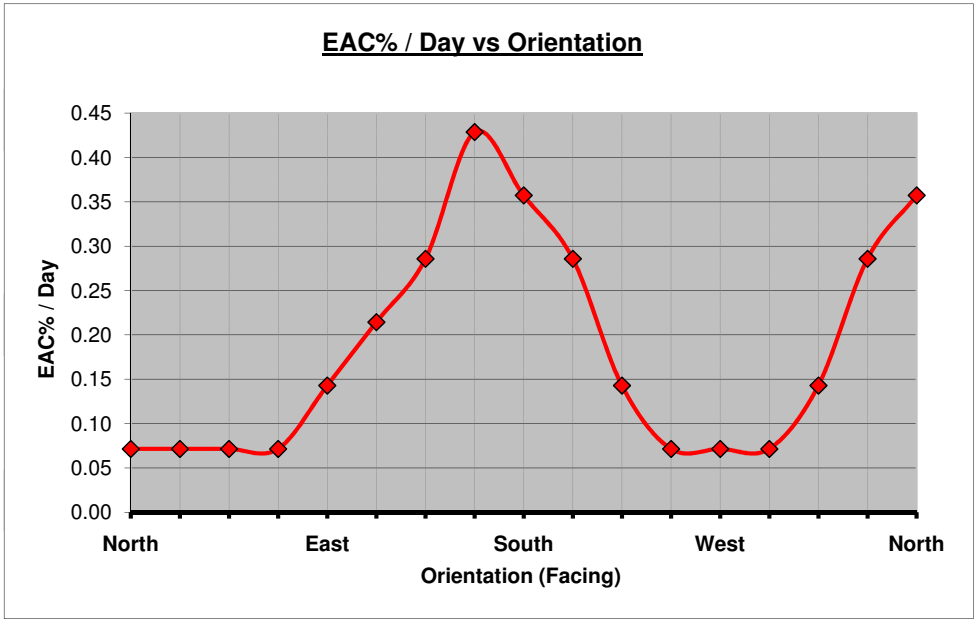
Gauge Number-East Location 907BRI

Sticky Pad Data

Date On 11/07/2011 Date Off 25/07/2011 Days = 14

Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	95	360	North	0.36
20	96	337		0.29
40	98	314		0.14
60	99	291		0.07
80	99	269	West	0.07
100	99	246		0.07
120	98	223		0.14
140	96	200		0.29
160	95	177	South	0.36
180	94	154		0.43
200	96	131		0.29
220	97	109		0.21
240	98	86	East	0.14
260	99	63		0.07
280	99	40		0.07
300	99	17		0.07
315	99	0	North	0.07



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

Sticky Pad Data

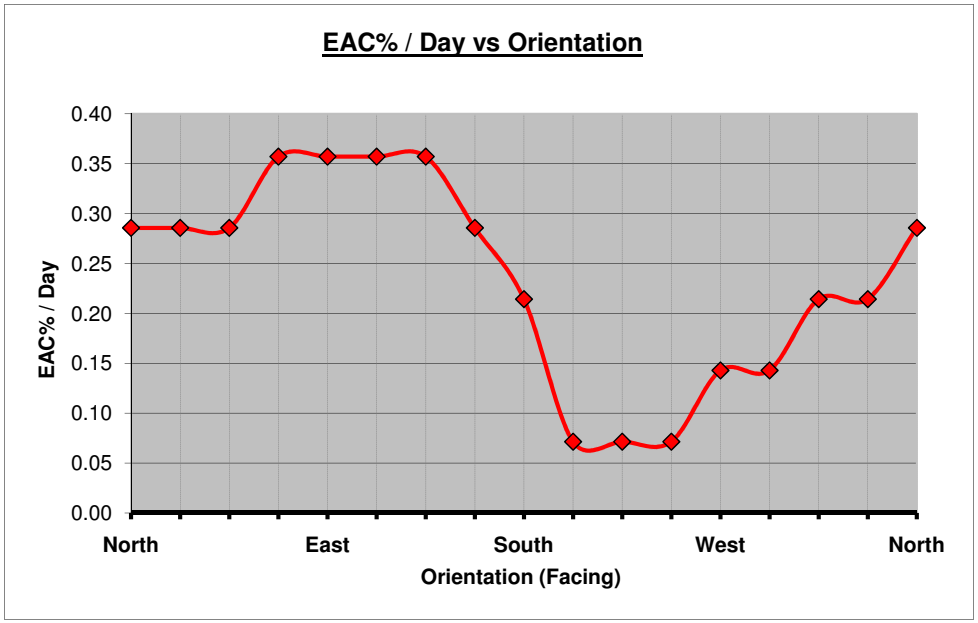
Gauge Number-West Location 907BRI

Sticky Pad Data

Date On 11/07/2011 Date Off 25/07/2011 Days = 14

Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	96	360	North	0.29
20	97	337		0.21
40	97	314		0.21
60	98	291		0.14
80	98	269	West	0.14
100	99	246		0.07
120	99	223		0.07
140	99	200		0.07
160	97	177	South	0.21
180	96	154		0.29
200	95	131		0.36
220	95	109		0.36
240	95	86	East	0.36
260	95	63		0.36
280	96	40		0.29
300	96	17		0.29
315	96	0	North	0.29



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

Sticky Pad Data

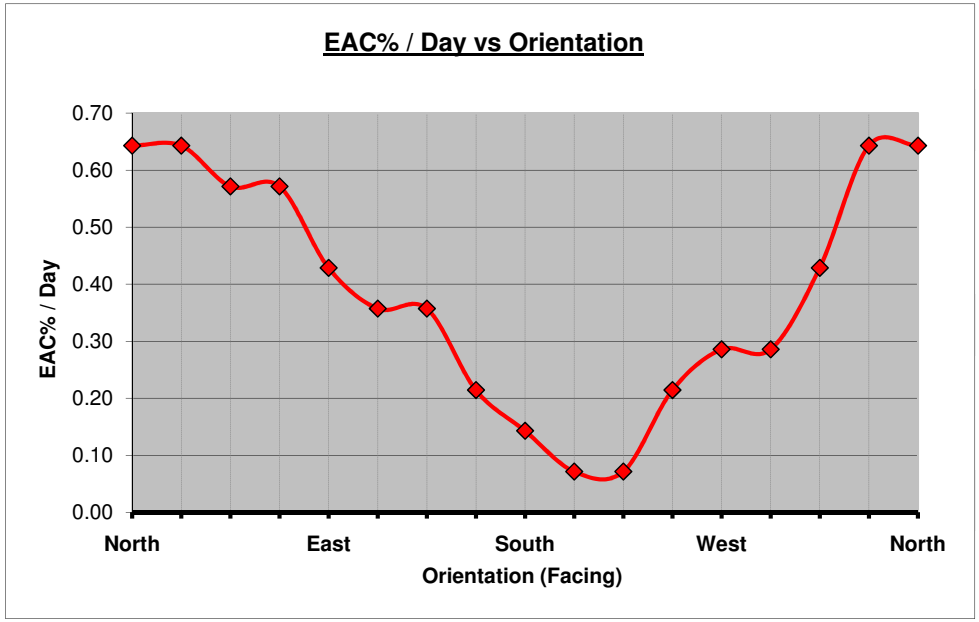
Gauge Number-NE2 Location 907BRI

Sticky Pad Data

Date On 11/07/2011 Date Off 25/07/2011 Days = 14

Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	91	360	North	0.64
20	91	337		0.64
40	94	314		0.43
60	96	291		0.29
80	96	269	West	0.29
100	97	246		0.21
120	99	223		0.07
140	99	200		0.07
160	98	177	South	0.14
180	97	154		0.21
200	95	131		0.36
220	95	109		0.36
240	94	86	East	0.43
260	92	63		0.57
280	92	40		0.57
300	91	17		0.64
315	91	0	North	0.64



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

Chemtest
The right chemistry to deliver results

Sticky Pad Data

Gauge Number-South Location 907BRI

Sticky Pad Data

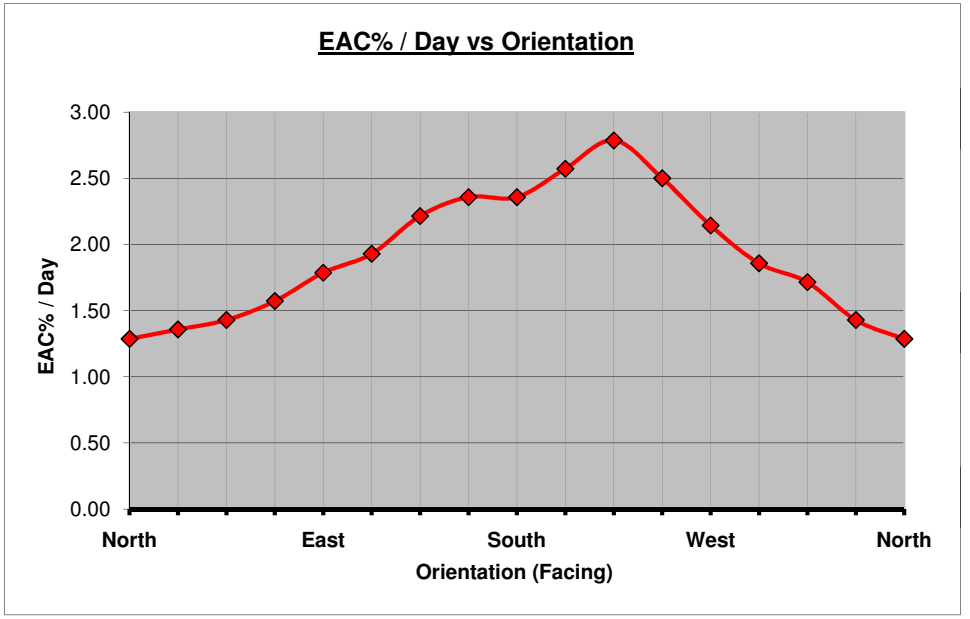
Date On 11/07/2011 Date Off 25/07/2011 Days = 14

Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	82	360	North	1.29
20	80	337		1.43
40	76	314		1.71
60	74	291		1.86
80	70	269	West	2.14
100	65	246		2.50
120	61	223		2.79
140	64	200		2.57
160	67	177	South	2.36
180	67	154		2.36
200	69	131		2.21
220	73	109		1.93
240	75	86	East	1.79
260	78	63		1.57
280	80	40		1.43
300	81	17		1.36
315	82	0	North	1.29

+

20



Note: Cells coloured red are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 20mm intervals along the sticky pad.

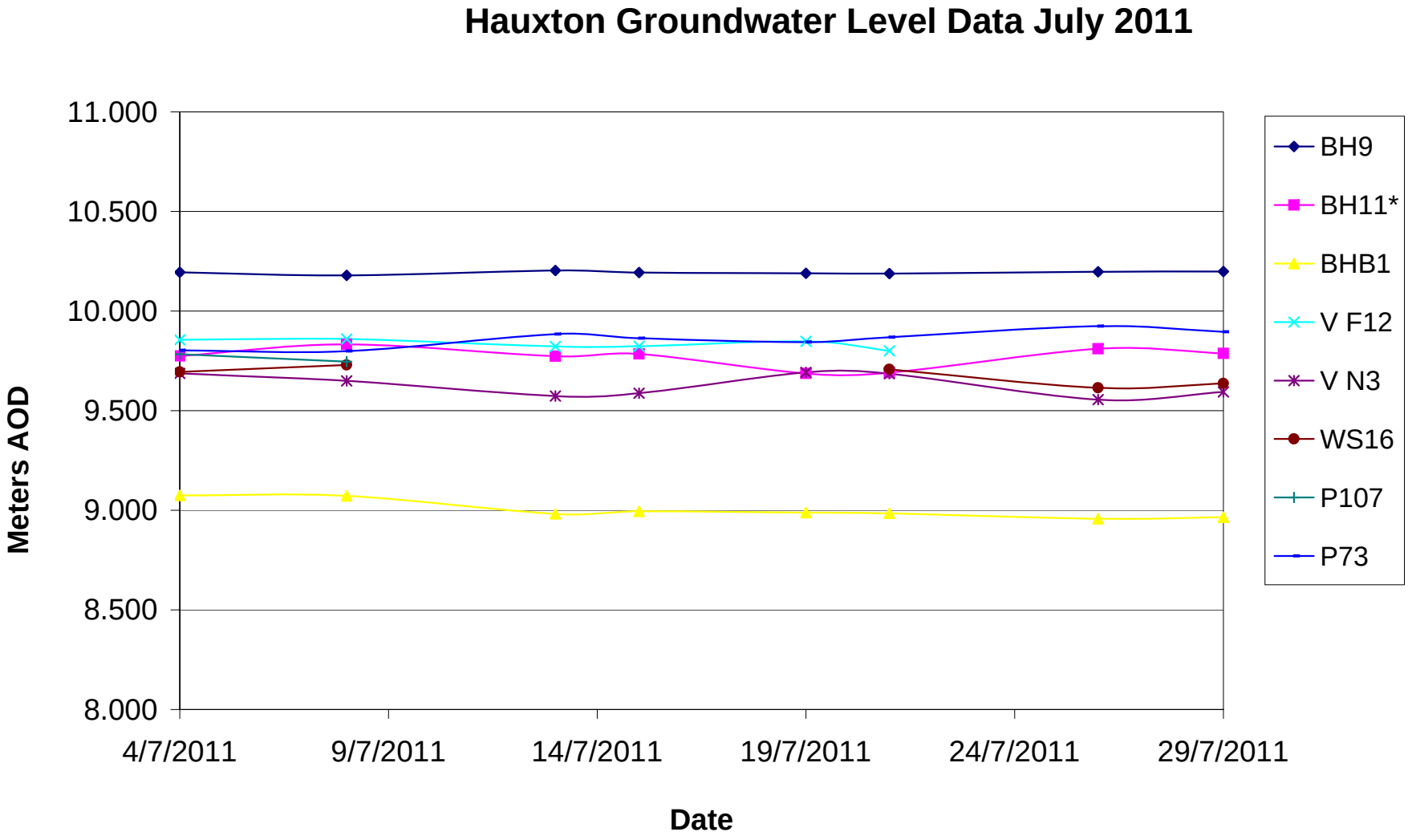
Appendix E
Groundwater Level Data

Date	BH6/06	S3/4	BH4	BH10B/06	BH9	S1/8	BH11*	S2/6	BHB1	W1 (n)	W2	W3 (s)	Riddy 1	Riddy 2	Riddy 3	Riddy 4	V F12	V N3	WS16	P107	P73
4/7/2011	9.861	10.247	9.750	Covered	10.195	Lost	9.775	Covered	9.075	No Access	No Access	DRY	9.168	9.264	9.522	9.633	9.856	9.687	9.694	9.783	9.803
8/7/2011	9.883	10.162	9.692	Covered	10.179	Lost	9.832	Covered	9.072	No Access	No Access	DRY	9.170	9.266	9.516	9.635	9.860	9.650	9.730	9.746	9.799
13/7/2011	9.800	10.160	9.637	Covered	10.203	Lost	9.773	Covered	8.982	No Access	No Access	DRY	9.164	No Access	9.545	9.629	9.822	9.573	No Access	Blocked	9.884
15/7/2011	9.810	10.148	9.639	Covered	10.193	Lost	9.785	Covered	8.995	No Access	No Access	DRY	9.169	No Access	No Access	9.631	9.824	9.587	No Access	Blocked	9.864
19/7/2011	9.925	10.140	9.619	Covered	10.190	Lost	9.687	Covered	8.989	No Access	No Access	DRY	9.161	No Access	No Access	9.629	9.848	9.692	No Access	Blocked	9.844
21/7/2011	9.921	10.130	9.614	Covered	10.188	Lost	9.691	Covered	8.985	No Access	No Access	DRY	9.161	No Access	No Access	9.622	9.800	9.685	9.708	Blocked	9.869
26/7/2011	9.802	10.175	Blocked	Covered	10.197	Lost	9.811	Covered	8.958	No Access	No Access	DRY	9.157	No Access	No Access	9.628	Covered	9.556	9.615	Blocked	9.924
29/7/2011	9.797	10.142	Blocked	Covered	10.199	Lost	9.787	Covered	8.965	No Access	No Access	DRY	9.159	No Access	No Access	9.624	Covered	9.594	9.636	Blocked	9.896

Appendix F
Surface Water Analysis Reports

Results Pending

Appendix G
Groundwater Level Graph


Hauxton Groundwater Level Data July 2011
11.000
10.500
10.000
9.500
9.000
8.500
8.000
Meters AOD
4/7/2011
9/7/2011
14/7/2011
19/7/2011
24/7/2011
29/7/2011
Date
BH9
BH11*
BHB1
V F12
V N3
WS16
P107
P73

Appendix H

Waste Water Treatment Plant Discharge Analysis

Water Quality Analysis of Effluent Discharge Sample

				Bromide	Chloride	Sulphate Ion	Suspended Solids (Total)	Ammoniacal Nitrogen	Biochemical Oxygen Demand	pH	Atrazine	Trietazine	Simazine	Total Atrazine, Trietazine and Simazine	Benazolin	2,3,6-TBA	Dicamba	Hempa	Schradan
Sample Taken	Report Date	Report Number	Sample Location	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		µg/l	µg/l	µg/l	ug/l	µg/l	µg/l	µg/l	µg/l	µg/l
Consented Levels				*50*	*3000*	*5000*	*45*	*15*	*30*	*na*	*Total of all three*			*250*	*50*	*20*	*50*	*274*	*135*
1/3/2010	17/3/2010	193447	Discharge Point	0.30	84.00	150.00	<10	<0.05	<3	8.4	<0.02	0.07	<0.01	0.07	<0.1	0.40	<0.1	<0.1	<0.1
30/3/2010	9/4/2010	195429	Discharge Point	0.40	110.00	180.00	<10	<0.05	<3	8.7	<0.01	<0.01	<0.01	0.00	<0.1	0.30	<0.1	0.40	<0.1
8/4/2010	13/4/2010	196139	T99 Circ	<1.0	110.00	190.00	<10	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	2.90	0.40
10/4/2010	19/4/2010	196379	T100 Circ	<1.0	110.00	190.00	<10	0.05	<3	7.9	<0.01	0.01	<0.01	0.01	<0.1	<0.1	<0.1	0.90	0.30
12/4/2010	21/4/2010	196517	T100 Circ	<1.0	1100.00	200.00	<10	<0.05	<3	8.2	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	1.50	<0.1
28/4/2010	19/5/2010	199291	Discharge Point	<1.0	130.00	200.00	<10	<0.05	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	5.10	1.50
7/5/2010	17/5/2010	199176	T99 Discharge	<1.0	110.00	200.00	<10	<0.05	6.6	8.2	<0.01	<0.01	<0.01	0.00	<0.2	3.00	<0.2	3.30	0.60
18/5/2010	1/6/2010	200382	Discharge Point	<1.0	180.00	280.00	<10	0.09	<3	8.0	<0.01	0.01	<0.01	0.01	0.60	5.20	0.20	6.30	3.80
28/5/2010	17/6/2010	201487	Discharge Point	<1.0	130.00	210.00	<10	<0.05	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	1.30	<0.1	4.30	1.10
15/6/2010	28/6/2010	203351	WTW Discharge	2.7	240.00	320.00	<10	0.05	<3	8.1	<0.01	0.02	<0.01	0.02	<0.1	2.40	0.2	4.10	1.00
1/7/2010	19/7/2010	205613	WWTW Discharge	3.3	290.00	370.00	13	0.07	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	0.40	<0.1	<0.1	<0.1
5/8/2010	16/8/2010	208693	WWTW Discharge	<1.0	160.00	300.00	<10	<0.05	<3	8.0	0.02	0.09	0.02	0.13	<0.5	0.40	<0.1	<0.1	<0.1
19/8/2010	26/8/2010	209961	WWTW Discharge	<0.1	160.00	260.00	<10	<0.05	<3	7.7	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	<0.1	<0.1
1/9/2010	9/9/2010	211356	WWTW Discharge	2.6	180.00	280.00	<10	<0.05	5	8.1	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	2.9	<0.1
16/9/2010	29/9/2010	212901	WWTW Discharge	<0.1	86.00	170.00	<10	0.08	<3	7.9	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	3.5
24/9/2010	4/10/2010	213745	WWTW Discharge	<0.1	160.00	340.00	35	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	0.6
8/10/2010	21/10/2010	215625	WWTW Discharge	<0.1	150.00	270.00	<10	<0.05	<3	8.2	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	52	2.2
21/10/2010	1/11/2010	216826	WWTW Discharge	<0.1	200.00	240.00	11	<0.05	<3	7.7	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	9.4
10/11/2010	22/11/2010	218850	WWTW Discharge	<0.1	81.00	120.00	<10	<0.05	<3	8.1	<0.01	0.03	<0.01	0.03	<0.1	0.7	<0.1	15	6.2
16/11/2010	23/11/2010	219447	WWTW Discharge	<0.1	150.00	160.00	<10	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	0.9	0.1	14	24
9/12/2010	23/12/2010	222558	WWTW Discharge	<0.2	64.00	120.00	<10	0.73	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	2.9	0.3	10	5.1
22/12/2010	13/1/2011	223307	WWTW Discharge	<0.1	66.00	100.00	<10	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.01	11	8.5
13/1/2011	25/1/2011	224623	WWTW Discharge	<0.2	92.00	140.00	<10	0.38	<3	7.6	<0.01	0.05	<0.01	0.05	<0.1	<0.1	0.1	15	6.5
15/2/2011	23/2/2011	228099	WWTW Discharge	<0.1	170.00	220.00	<10	0.08	<3	9.1	<0.01	<0.01	<0.01	0.00	1.1	<0.1	<0.01	<0.1	<0.1
23/2/2011	9/3/2011	229026	WWTW Discharge	1.70	200.00	250.00	<10	<0.05	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	0.20	<0.1	0.40	0.20
2/3/2011	15/3/2011	229789	WWTW Discharge	<0.1	220.00	290.00	<10	<0.05	<3	8.2	<0.01	0.02	<0.01	0.02	<0.1	0.4	<0.1	0.9	0.4
7/3/2011	18/3/2011	230442	WWTW Discharge	NT	NT	NT	NT	NT	NT	8.1	NT	NT	<0.01	NT	NT	NT	0.20	0.6	0.3
23/3/2011	1/4/2011	232143	WWTW Discharge	<0.1	190.00	210.00	<10	<0.05	<3	7.9	<0.01	0.02	<0.01	0.02	<0.1	<0.1	<0.1	0.5	0.2
5/4/2011	13/4/2011	233543	WWTW Discharge	<0.1	190.00	200.00	<10	<0.05	<3	8.0	<0.01	0.03	<0.01	0.03	<0.1	0.8	<0.1	1.1	0.5
20/4/2011	3/5/2011	235339	WWTW Discharge	<0.1	150.00	190.00	<10	<0.05	<3	4.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	1.2	0.4
4/5/2011	16/5/2011	236232	WWTW Discharge	<0.2	150.00	180.00	<10	<0.01	<3	8.1	0.03	0.07	0.01	0.11	<0.1	0.8	<0.1	0.8	0.3
12/5/2011	26/5/2011	237211	WWTW Discharge	<0.1	160.00	190.00	15	0.18	<3	8.1	0.03	0.09	<0.01	0.12	<0.1	0.3	<0.1	0.5	<0.1
18/5/2011	31/5/2011	237962	WWTW Discharge	<0.1	130.00	170.00	<10	<0.05	<3	7.9	<0.01	<0.01	<0.01	0.00	<0.1	0.2	0.1	0.4	0.1
2/6/2011	14/6/2011	239421	WWTW Discharge	0.5	130.00	190.00	<10	<0.05	<3	7.8	0.05	0.07	<0.01	0.12	<0.1	3.3	0.3	10	6.7
14/6/2011	22/6/2011	240642	WWTW Discharge	<0.1	140.00	220.00	<10	<0.05	24	8.1	<0.01	<0.01	<0.01	0.00	<0.1	2.5	<0.1	31	30
29/6/2011	7/7/2011	242142	WWTW Discharge	<0.2	160.00	260.00	<10	<0.05	<3	8.2	<0.01	0.01	<0.01	0.01	<0.1	<0.1	<0.1	16	5
11/7/2011	21/7/2011	243434	WWTW Discharge	<0.1	150.00	240.00	<10	<0.05	<3	8.1	<0.01	0.03	<0.01	0.03	<0.1	3	<0.1	12	9.9
25/7/2011	1/8/2011	244979	WWTW Discharge	<0.1	150.00	240.00	<10	0.07	<3	8.2	<0.01	<0.01	<0.01	0.00	<0.1	10	0.4	19	12

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Scientific Analysis Laboratories

Certificate of Analysis

Hadfield House
Hadfield Street
Cornbrook
Manchester
M16 9FE
Tel : 0161 874 2400
Fax : 0161 874 2468

Report Number: 243434-1

Date of Report: 21-Jul-2011

Customer: VertaseFLI Limited
19 Napier Court
Barlborough Links
Barlborough
S43 4PZ

Customer Contact: Ms. Lucy Buckley

Customer Job Reference: 907BRI
Date Job Received at SAL: 12-Jul-2011
Date Analysis Started: 12-Jul-2011
Date Analysis Completed: 21-Jul-2011

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs

UKAS TESTING
1549

Report checked and authorised by :
Amelia McVennon
Project Manager

Issued by :
Amelia McVennon
Project Manager

SAL Reference: 243434
Customer Reference: 907BRI

Water Analysed as Water
Miscellaneous

					SAL Reference	243434 001	243434 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	11-JUL-2011	11-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Ammoniacal nitrogen	T4	AR	50	µg/l		<50	<50
Biochemical Oxygen Demand	T7	AR	3000	µg/l		<3000	<3000
pH	T7	AR				**8.3**	**8.1**

SAL Reference: 243434
Customer Reference: 907BRI

Water Analysed as Water
Suite A

					SAL Reference	243434 001	243434 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	11-JUL-2011	11-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Atrazine	T16	AR	0.01	µg/l		**0.73**	<0.01
Trietazine	T16	AR	0.01	µg/l		**17**	**0.03**

SAL Reference: 243434
Customer Reference: 907BRI

Water Analysed as Water
Suite B

					SAL Reference	243434 001	243434 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	11-JUL-2011	11-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benazolin	T16	AR	0.1	µg/l		**37**	<0.1
2,3,6-TCB	T16	AR	0.1	µg/l		**130**	**3.0**

SAL Reference: 243434
Customer Reference: 907BRI

Water Analysed as Water
Suite C

					SAL Reference	243434 001	243434 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	11-JUL-2011	11-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Bromide	T253	AR	100	µg/l		(9) <1000	(9) <1000
Chloride	T253	AR	200	µg/l		**150000**	**150000**
Sulphate ion	T253	AR	100	µg/l		**280000**	**240000**
Suspended Solids (Total)	T2	AR	10000	µg/l		**10000**	<10000

SAL Reference: 243434
Customer Reference: 907BRI

Water Analysed as Water
Suite D

					SAL Reference	243434 001	243434 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	11-JUL-2011	11-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dicamba	T16	AR	0.1	µg/l		**1.8**	<0.1
Hempa	T16	AR	0.1	µg/l		**70**	**12**
Schradan	T16	AR	0.1	µg/l		**83**	**9.9**
Simazine	T16	AR	0.01	µg/l		**0.54**	<0.01

SAL Reference: 243434
Customer Reference: 907BRI

Water Analysed as Water
Suite E

					SAL Reference	243434 001	243434 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	11-JUL-2011	11-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
TVC at 22 C	T34	AR	10	cfu/ml		**1100**	**2500**
TVC at 37 C	T34	AR	10	cfu/ml		**100**	**70**

Index to symbols used in 243434-1

Value	Description
AR	As Received
9	LOD raised due to dilution of sample
W	Analysis was performed at another SAL laboratory
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T34	Micro
T16	GC/MS
T253	IC(EID299)
T7	Probe
T2	Grav
T4	Colorimetry

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Ammoniacal nitrogen	T4	AR	50	µg/l	U	001-002
Biochemical Oxygen Demand	T7	AR	3000	µg/l	N	001-002
pH	T7	AR			U	001-002
Atrazine	T16	AR	0.01	µg/l	N	001-002
Trietazine	T16	AR	0.01	µg/l	N	001-002
Benazolin	T16	AR	0.1	µg/l	N	001-002
2,3,6-TCB	T16	AR	0.1	µg/l	N	001-002
Bromide	T253	AR	100	µg/l	WU	001-002
Chloride	T253	AR	200	µg/l	WU	001-002
Sulphate ion	T253	AR	100	µg/l	WU	001-002
Suspended Solids (Total)	T2	AR	10000	µg/l	N	001-002
Dicamba	T16	AR	0.1	µg/l	N	001-002
Hempa	T16	AR	0.1	µg/l	N	001-002
Schradan	T16	AR	0.1	µg/l	N	001-002
Simazine	T16	AR	0.01	µg/l	N	001-002
TVC at 22 C	T34	AR	10	cfu/ml	WN	001-002

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
TVC at 37 C	T34	AR	10	cfu/ml	WN	001-002

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Scientific Analysis Laboratories

Certificate of Analysis

Hadfield House
Hadfield Street
Cornbrook
Manchester
M16 9FE
Tel : 0161 874 2400
Fax : 0161 874 2468

Report Number: 244979-1

Date of Report: 01-Aug-2011

Customer: VertaseFLI Limited
19 Napier Court
Barlborough Links
Barlborough
S43 4PZ

Customer Contact: The Project Management

Customer Job Reference: 907 BRI WWTW
Date Job Received at SAL: 26-Jul-2011
Date Analysis Started: 26-Jul-2011
Date Analysis Completed: 01-Aug-2011

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
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Tests covered by this certificate were conducted in accordance with SAL SOPs

UKAS TESTING
1549

Report checked and authorised by :
Amelia McVennon
Project Manager

Issued by :
Amelia McVennon
Project Manager

SAL Reference: 244979
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Miscellaneous

					SAL Reference	244979 001	244979 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	25-JUL-2011	25-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Ammoniacal nitrogen	T4	AR	50	µg/l		**90**	**70**
Biochemical Oxygen Demand	T7	AR	3000	µg/l		**5000**	<3000
pH	T7	AR				**8.3**	**8.2**

SAL Reference: 244979
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite A

					SAL Reference	244979 001	244979 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	25-JUL-2011	25-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Atrazine	T16	AR	0.01	µg/l		**2.1**	<0.01
Trietazine	T16	AR	0.01	µg/l		**9.7**	<0.01

SAL Reference: 244979
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite B

					SAL Reference	244979 001	244979 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	25-JUL-2011	25-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benazolin	T16	AR	0.1	µg/l		**38**	<0.1
2,3,6-TCB	T16	AR	0.1	µg/l		**130**	**10**

SAL Reference: 244979
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite C

					SAL Reference	244979 001	244979 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	25-JUL-2011	25-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Bromide	T253	AR	100	µg/l		(9) <1000	(9) <1000
Chloride	T253	AR	200	µg/l		**160000**	**150000**
Sulphate ion	T253	AR	100	µg/l		**240000**	**240000**
Suspended Solids (Total)	T2	AR	10000	µg/l		<10000	<10000

SAL Reference: 244979
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite D

					SAL Reference	244979 001	244979 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	25-JUL-2011	25-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dicamba	T16	AR	0.1	µg/l		**3.2**	**0.4**
Hempa	T16	AR	0.1	µg/l		**160**	**19**
Schradan	T16	AR	0.1	µg/l		**120**	**12**
Simazine	T16	AR	0.01	µg/l		**0.59**	<0.01

SAL Reference: 244979
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite E

					SAL Reference	244979 001	244979 002
					Customer Sample Reference	Primary	Discharge
					Date Sampled	25-JUL-2011	25-JUL-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
TVC at 22 C	T34	AR	10	cfu/ml		**9600**	**12000**
TVC at 37 C	T34	AR	10	cfu/ml		**1400**	**700**

Index to symbols used in 244979-1

Value	Description
AR	As Received
9	LOD raised due to dilution of sample
W	Analysis was performed at another SAL laboratory
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T253	IC(EID299)
T34	Micro
T4	Colorimetry
T16	GC/MS
T2	Grav
T7	Probe

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Ammoniacal nitrogen	T4	AR	50	µg/l	U	001-002
Biochemical Oxygen Demand	T7	AR	3000	µg/l	N	001-002
pH	T7	AR			U	001-002
Atrazine	T16	AR	0.01	µg/l	N	001-002
Trietazine	T16	AR	0.01	µg/l	N	001-002
Benazolin	T16	AR	0.1	µg/l	N	001-002
2,3,6-TCB	T16	AR	0.1	µg/l	N	001-002
Bromide	T253	AR	100	µg/l	WU	001-002
Chloride	T253	AR	200	µg/l	WU	001-002
Sulphate ion	T253	AR	100	µg/l	WU	001-002
Suspended Solids (Total)	T2	AR	10000	µg/l	N	001-002
Dicamba	T16	AR	0.1	µg/l	N	001-002
Hempa	T16	AR	0.1	µg/l	N	001-002
Schradan	T16	AR	0.1	µg/l	N	001-002
Simazine	T16	AR	0.01	µg/l	N	001-002
TVC at 22 C	T34	AR	10	cfu/ml	WN	001-002

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
TVC at 37 C	T34	AR	10	cfu/ml	WN	001-002

Appendix I
Soil Characterisation Results Summary

Results Received	Reported to SCDC	Grid square	Contaminant	Concentration (µg/kg)	Likely use/origin
12.04.2010	06.05.2010	K15	VOC/SVOC peaks detected		
12.04.2010	06.05.2010	K16	Series of Aromatic Hydrocarbons circa C_{13}-C_{16}	17,000	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
15.04.2010	06.05.2010 (09.06.2010)	J16	2(1-methylpropyl)-phenol	10,000	Encountered and assessed during site investigation, not a priority contaminant
			2,6-bis(1-methylpropyl)-phenol	100,000	Commonly used in the manufacture of specialty surfactants used as wetting agents for agrochemicals.
			2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-phenol	6,000	Commonly used as an antioxidant and stabiliser, also used in oils used in industrial applications.
			Unidentified branched aromatic alcohol, C_{14}	240,000	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by
			Unidentified branched aromatic alcohol, C_{18}	290,000	
15.04.2010	06.05.2010	K14	Phenanthrene	4,100	Encountered and assessed during site investigation, concentration below target value
			Fluoranthene	4,800	
			Pyrene	3,900	
			Benzo(b/k)Fluoranthene	2,200	
07.05.2010	24.05.2010	K9	Dodecanoic acid (Lauric acid), isooctyl ester	2,400	Lauric acid - main acid in coconut oil and palm kernel oil, is non-toxic and safe to handle, is used in many soaps, shampoos and body butters.
			Unidentified Aliphatic Hydrocarbon circa C_{30}	2,300	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			2,4-Dichloro-o-cresol	9,000	Potential herbicide degradation product
			Bis(2-ethylhexyl) maleate	3,800	Commonly used as an intermediate in hydrogenation or acetylation reactions, possibly used in agrochemicals manufacture
			Cyclo octaatomic sulphur	2,800	S_8 is the most common form of sulphur in the solid state, widely used in insecticide and fungicide manufacture

07.05.2010	24.05.2010 (09.06.2010)	L8	Dodecanoic acid (Lauric acid), isooctyl ester	7,400	Lauric acid - main acid in coconut oil and palm kernel oil, is non-toxic and safe to handle, is used in many soaps, shampoos and body butters.
			Unidentified aromatic hydrocarbon containing O and Cl circa C_7	8,400	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
07.05.2010	24.05.2010	L9	Unidentified Aliphatic Hydrocarbon circa C_{30}	2,300	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
13.05.2010	24.05.2010	H8	No VOC/SVOC peaks detected		
13.05.2010	24.05.2010 (09.06.2010)	H9	1,2-bis(2,4,6-trichlorophenoxy)ethane	6,900	Potential Prochloraz degradation product
			Prochloraz	9,100	Fungicide
			Unidentified aromatic hydrocarbon containing Cl circa C_8	9,400	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			Unidentified aromatic amine containing Cl circa C_{11}	2,100	
13.05.2010	24.05.2010	I7	No SVOC peaks detected		
13.05.2010	24.05.2010 (09.06.2010)	I9	2,4-Dichloro-o-cresol	29,000	Potential herbicide degradation product
			2,3,6-Trichlorotoluene	47,000	
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane	20,000	
			Unidentified aromatic alcohol containing Cl circa C_7	25,000	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			Unidentified aromatic hydrocarbon containing O circa $C_{16\text{-}18}$	12,000	
13.05.2010	24.05.2010	J7	No VOC/SVOC peaks detected		
20.05.2010	24.05.2010	J8	No VOC/SVOC peaks detected		
26.05.2010		J9	No VOC/SVOC peaks detected		
04.06.2010	16.06.2010 (09.06.2010)	H7	Dichloromethyl phenol	2,100	Same as 2,4-Dichloro-o-cresol (I9)
05.05.2010	16.06.2010 (09.06.2010)	K7	1,2-bis(2,4,6-trichlorophenoxy)ethane	2400.0	As for H9
05.05.2010	16.06.2010	K8	No VOC/SVOC peaks detected		

18.06.2010	29.06.2010	I8	2-methyl phenol	5,500	Encountered and assessed during site investigation, not a priority contaminant
			1,2-dichlorobenzene	3,600	Contaminant of concern, already included in the standard validation suite
17.06.2010	29.06.2010 (09.06.2010)	K10	2,4-Dichloro-o-cresol	550,000	As for I9 and H7
22.06.2010		L10	Cyclo octaatomic sulphur	16,000	As for L8 - Sulphur
20.07.2010	21.07.2010	K10 NAPL	Dichloromethyl phenol	1,800,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			Naphthalene	4,600,000	Encountered and assessed during site investigation, not a priority contaminant
			2-methylnaphthalene	3,900,000	
			1-methylnaphthalene *CAS 90-12-0*	2,400,000	More toxic than 2-methylnaphthalene, must be assessed separately
			Dinoseb *CAS 88-85-7*	68,000,000	2-(1-methylpropyl)-4,6-dinitro- phenol - herbicide and insecticide. Yellow crystalline solid.
21.07.2010	22.07.2010	J10	Dichloromethyl phenol	24,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane *CAS 21120-80-9*	13,000	Same as I9
			1,2,4-Trichlorobenzene	28,000	Encountered and assessed during site investigation, not a priority contaminant
			Trichlorobenzene	32,000	
			2-Chlorotoluene	60,000	
			Trichloro toluene isomer	48,000	Same as I9
			Trichloro benzenamine isomer	11,000	Potential herbicide degradation product
			2,3-Dichlorotoluene *CAS 32768-54-0*	290,000	
21.07.2010	22.07.2010	L11	Dichloromethyl phenol	5,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10, J10)
28.07.2010	02.08.2010	H10	2,4-Dichloro-o-cresol *CAS 1570-65-6*	10,000	As for I9, H7, K10, J10, L11
			Trichloro toluene isomers	58,000	Same as I9, J10
			Dichlorotoluene isomer	52,000	6 possible isomers, but very little data, using surrogate.
			2-Chlorotoluene	39,000	Encountered and assessed during site investigation, not a priority contaminant
			Trichlorobenzene	350,000	
28.07.2010	02.08.2010	I10	2,4-Dichloro-o-cresol *CAS 1570-65-6*	5,000	As for I9, H7, K10, J10, L11, H10
			Trichloro toluene isomers	24,000	Same as I9, J10, H10
03.08.2010	04.08.2010	L12	2,4-Dichloro-o-cresol *CAS 1570-65-6*	7,000	As for I9, H7, K10, J10, L11, H10, I10
03.08.2010	04.08.2010	L13	No VOC/SVOC peaks detected		
03.08.2010	04.08.2010	K12	2,4-Dichloro-o-cresol *CAS 1570-65-6*	7,000	As for I9, H7, K10, J10, L11, H10, I10, L12

03.08.2010	04.08.2010	K13 sand & gravel	Cyclo octaatomic sulphur	68,000	As for L8, L10 - Sulphur
05.08.2010	N/A	K13 chalk	2,4-Dichloro-o-cresol CAS 1570-65-6	650,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12
			Trichloro toluene isomers	1,140,000	Same as I9, J10, H10, I10
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane CAS 21120-80-9	140,000	Same as I9 and J10
			Dichlorotoluene isomer	99,000	Same as J10, H10
			2-Chlorotoluene	12,000	Encountered and assessed during site investigation, not a priority contaminant
05.08.2010	N/A	K11	2,4-Dichloro-o-cresol CAS 1570-65-6	22,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13
05.08.2010	N/A	J11	2,4-Dichloro-o-cresol CAS 1570-65-6	220,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13
			Trichloro toluene isomers	376,000	Same as I9, J10, H10, I10, K13
			Dinoseb CAS 88-85-7	90,000	Same as K10
			Dichlorotoluene isomer	18,000	Same as H10, K13
			2-Chlorotoluene	13,000	Encountered and assessed during site investigation, not a priority contaminant
12.08.2010	17.08.2010	J12	2-chloro Benzenemethanol CAS 17849-38-6	620	Potential agrochemical synthesis ingredient - further investigation is required
			2-Chlorobenzalazine CAS 5328-80-3	5,900	
			2,4-Dichloro-o-cresol CAS 1570-65-6	2,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11
			2(1-methylpropyl)-phenol	610	Encountered and assessed during site investigation, not a priority contaminant
12.08.2010	N/A	J13	2,4-Dichloro-o-cresol CAS 1570-65-6	3,400	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12
24.08.2010	25.08.2010	J14	Total Petroleum Hydrocarbons (C5-C12)	43,000	Encountered and assessed during site investigation, not a priority contaminant
			1,3,5-Trimethylbenzene CAS 108-67-8	1,600	Encountered and assessed during site investigation, not a priority contaminant
			1,2,4-Trimethylbenzene CAS 95-63-6	600	
			1,2,3-Trimethylbenzene CAS 526-73-8	700	Isomers encountered and assessed during site investigation, quantitative risk assessment not required
			1-Ethyl-2-Methylbenzene CAS 611-14-3	500	Potential agrochemical synthesis ingredient - further investigation is required
25.08.2010	N/A	I13	1-methylnaphthalene CAS 90-12-0	100	Same as K10NAPL

			Phenanthrene	200	Encountered and assessed during site investigation, not a priority contaminant
			Fluoranthene	300	
			Pyrene	300	
			Benzo(b/k)Fluoranthene	200	
01.09.2010	N/A	I14	Trichloro methyl benzene (trichloro toluene)	400	Same as I9, J10, H10, I10, K13, J11
01.09.2010	N/A	I15	Dichlorocresol	2600	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12
			Dichlorophenoxybutyric acid	6300	Herbicide encountered and assessed during site investigation, similar to MCPA and Mecoprop which are higher risk substances, therefore not a priority contaminant
01.09.2010	N/A	H14	No VOC/SVOC peaks detected		
01.09.2010	N/A	H15	No VOC/SVOC peaks detected		
03.09.2010	N/A	I11	Dichlorocresol	3,300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15
			Trichloro methyl benzene (trichloro toluene)	1,000	Same as I9, J10, H10, I10, K13, J11, I14
			Prochloraz CAS 67747-09-5	800	Same as H9
03.09.2010	N/A	I12	1-methylnaphthalene CAS 90-12-0	40,000	Same as K10NAPL, I13
			Dibenzofuran	24,000	Encountered and assessed during site investigation, not a priority contaminant
			Phenanthrene	60,000	
			Fluoranthene	29,000	
			Acenaphthene	31,000	
24.09.2010	N/A	J15	Methylpropyl phenol	340	Encountered and assessed during site investigation, not a priority contaminant
24.09.2010	28.09.2010	H13	Oxathiane 4,4-dioxide CAS 107-61-9	220	
	N/A		Trichloro methyl benzene (trichloro toluene)	230	Same as I9, J10, H10, I10, K13, J11, I14, I11
			Dichloromethylphenol	2100	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane CAS 21120-80-9	470	Same as I9, J10, K13
01.10.2010	N/A	H11	No VOC/SVOC peaks detected		
01.10.2010	05.10.2010	H12	Indane CAS 496-11-7	3700000	2-ring hydrocarbon
	N/A		Ethyltoluene (ethyl methyl benzene) isomer	4500000	As J14
			Bis methylpropyl phenol isomer	980000	As J16
			1,3,5-Trimethylbenzene	3900000	Encountered and assessed during site

			1,2,4-Trimethylbenzene	10000000	investigation, not a priority contaminant
			1,2,3-Trimethylbenzene	3100000	
22.10.2010 (216017)	25.10.2010	G12	Nicotine	6400	Natural insecticide
	N/A		Dichloromethyl phenol	2900	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13
			Methylpropyl phenol	9400	Encountered and assessed during site investigation, not a priority contaminant
			Schradan	1200	Contaminant of concern, already included in the standard validation suite
22.10.2010 (216017)	N/A	G13	1-methylnaphthalene CAS 90-12-0	170	Same as K10NAPL, I13, I12
			Isophorone CAS 78-59-1	530	Encountered and assessed during site investigation, not a priority contaminant
			Naphthalene	690	
			2-methylnaphthalene	270	
			Phenanthrene	410	
			Fluoranthene	380	
			Pyrene	310	
22.10.2010 (216017)	N/A	G14	No VOC/SVOC peaks detected		
29.10.2010 (216821)	N/A	H17	No VOC/SVOC peaks detected		
29.10.2010 (216821)	N/A	G17	No VOC/SVOC peaks detected		
01.11.2010 (216817)	30.11.2010	G10	Dibromochloromethane CAS 124-48-1	300	Risk Assessment
	N/A		Dichloromethyl phenol	1300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12
			Isophorone	7100	Encountered and assessed during site investigation, not a priority contaminant
			Benzyl Chloride (1-chloro-2-methylbenzene CAS 95-49-8)	200	
			Methylpropyl phenol	7100	
			3,3,5-trimethyl cyclohexanone	700	
01.11.2010 (216817)	N/A	G11	Dichloromethyl phenol	2300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12, G10
			Trichloro methyl benzene (trichloro toluene)	2400	Same as I9, J10, H10, I10, K13, J11, I14, I11, H13
			1-Methyl naphthalene	760	Same as K10NAPL, I13, I12, G13
			2-methyl phenol	800	Encountered and assessed during site investigation, not a priority contaminant
			Methylpropyl phenol	22000	

			2-Methylnaphthalene	1500	
			2,4,5-Trichlorophenol	360	
			Chloroform	500	
			1,2-dibromoethane	700	
			EthylBenzene	1800	
			1,4-Dichlorobenzene	700	
			1,2,3-Trichlorobenzene	2000	
01.11.2010 (216817)	30.11.2010	G15	Ethyl methyl phenol	18000	Risk Assessment
			Dimethyl naphthalene	59000	Risk Assessment
	N/A		Dichloromethyl phenol	2400	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12, G10, G11
			1-Methyl naphthalene	26000	Same as K10NAPL, I13, I12, G13
			1-ethyl-3- methyl benzene (ethyl toluene)	600	As J14, H12
			Ethyltoluene	300	
			Isophorone	37000	Encountered and assessed during site investigation, not a priority contaminant
			Naphthalene	43000	
			Methylpropyl phenol	30000	
			2-Methylnaphthalene	21000	
			Phenanthrene	110000	
			Fluoranthene	69000	
			1,3,5-Trimethylbenzene	900	
			1,2,4-Trimethylbenzene	1600	
			1,2,3-Trimethylbenzene	400	
08.11.2010 (217789)	N/A	M7	No VOC/SVOC peaks detected		
08.11.2010 (217789)	N/A	M8	2-methyl phenol	11,000	Encountered and assessed during site investigation, not a priority contaminant
08.11.2010 (217793)	N/A	M6	No VOC/SVOC peaks detected		
08.11.2010 (217793)	N/A	N6	No VOC/SVOC peaks detected		
08.11.2010 (217795)	N/A	L5	No VOC/SVOC peaks detected		
08.11.2010 (217795)	N/A	M4	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	M5	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	N4	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	N5	No VOC/SVOC peaks detected		
08.11.2010 (217800)	N/A	M9	No VOC/SVOC peaks detected		

18.11.2010 (218834)	N/A	I6	No VOC/SVOC peaks detected		
23.11.2010 (219458)	N/A	L4	No VOC/SVOC peaks detected		
23.11.2010 (219456)	N/A	N3	No VOC/SVOC peaks detected		
20.01.2011 (224432)	N/A	F11	No VOC/SVOC peaks detected		
20.01.2011 (224432)	N/A	F12	No VOC/SVOC peaks detected		
20.01.2011 (224432)	24.01.2011	F13	Total Petroleum Hydrocarbons (C8-C14)	16000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
20.01.2011 (224432)	24.01.2011	E12	Total Petroleum Hydrocarbons (C8-C14)	28000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
	N/A		1-Ethyl-2-Methylbenzene (o-ethyl toluene) CAS 611-14-3	300	As J14, H12, G15
			1,2,4-Trimethylbenzene	700	Encountered and assessed during site investigation, not a priority contaminant
20.01.2011 (224432)	24.01.2011	E13	DDD	4100	Pesticide Risk Assessment Required.
	N/A		m/p ethyl toluene	1200	Encountered and assessed during site investigation, not a priority contaminants
			m-ethyl toluene:1-ethyl-3-methylbenzene, CAS 620-14-4		
			p-ethyl toluene: 1-ethyl-4-methylbenzene, CAS 622-96-8		
	24.01.2011		Total Petroleum Hydrocarbons (C8-C13)	73000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
	N/A		2,6-bis(1-methylpropyl)-phenol	5000	As J16, H12
			DDT	3200	Encountered and assessed during site investigation, not a priority contaminant
			4-(1-methylpropyl)phenol	2700	
			2(1-methylpropyl)-phenol	12000	
			1,2,3-trimethylbenzene	600	
			1,3,5-trimethylbenzene	1700	
			1,2,4-trimethylbenzene	3000	
			p-Isopropyltoluene	400	
24.01.2011 (224621)	25.01.2011	F15A	No VOC/SVOC peaks detected		
24.01.2011 (224621)	25.01.2011	F15B	No VOC/SVOC peaks detected		

09.02.2011 (226719)	10.02.2011	H6	No VOC/SVOC peaks detected		
09.02.2011 (226719)	10.02.2011	J5	No VOC/SVOC peaks detected		
09.02.2011 (226719)	10.02.2011	J6	No VOC/SVOC peaks detected		
17.03.2011 (230436)	21.03.2011	K5	Bis(2-ethylhexyl) maleate *CAS 142-16-5*	1,800	As L8
21.03.2011 (230436)	22.03.2011	K6	2,3-Dichlorotoluene *CAS 32768-54-0*	300	As J10, J11, H10, K13
			Bis(2-ethylhexyl) maleate *CAS 142-16-5*	2,000	As L8, K5
			Squalene *CAS 7683-64-9*	2,000	Natural organic compound found in the human body. Used in cosmetics, vaccines and steroid synthesis. Risk assessment not required.
			Glycerol tricaprylate CAS 538-28-8	4,700	Cosmetic ingredient. RisK Assessment notrequired.
28.03.2011 (231689)	29.03.2011	M10	No VOC/SVOC peaks detected		
30.03.2011 (232134)	01.04.2011	L14	No VOC/SVOC peaks detected		
31.03.2011 (232138)	24.05.2011	TB100 (J13, K12, K13)	Dimethyl nitroaniline isomer	5,400	Risk Assesment Required
			Chlorazine, CAS 580-48-3	2,400	listed as antipsychotic drug, very similar in structure to the herbicide simazine. Risk Assessment required.
	N/A		Dinoseb	57,000	As J11, K10, Already actioned
			DDD	9,300	As E13, Already actioned.
			Trietazine	8,600	Encountered and assessed during site investigation, not a priority contaminant
13.06.2011 (239403)	N/A	G16	No VOC/SVOC peaks detected		
13.06.2011 (239403)	N/A	H16	No VOC/SVOC peaks detected		
13.06.2011 (239578)	N/A	L6	No VOC/SVOC peaks detected		
13.06.2011 (239578)	N/A	L7	No VOC/SVOC peaks detected		