Environmental Monitoring Report

Reporting Period
02/05/2011-29/05/2011
Supplemental

Former Bayer Crop Science Site
Hauxton
Cambridgeshire

24th June 2011

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CONTENTS

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 2nd of May 2011, until the 29th of May 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 60. Week Commencing 2nd May 2011

Restoration of remediated soils in the north of the site to grid squares K6, J6, K7, J7, I7, K8, J8, and I8. No excavation undertaken. Turning of treatment beds continues to promote the bioremediation processes and reduce the moisture content of the material. The force ventilation vapour extraction treatment beds were uncovered and turned to ensure the materials are homogenous and the treatment is affecting all materials within the bed. Relocating of existing treatment beds and stockpiles was undertaken to create space for validation and backfilling.

Week 61. Week Commencing 9th May 2011

Restoration of remediated soils in the north of the site to grid squares K6, J6, K7, J7, I7, K8, J8, and I8. Excavating contaminated materials from grid squares M7, M8 and M9 with materials being sent directly to windrows for bioremediation. Turning of treatment beds was undertaken to promote biological degradation and dry the material in preparation for reinstatement. The haul road in the centre of the site was relocated to create a second area for validation and restoration.

Week 62. Week Commencing 16th May 2011

Restoration of remediated soils in the north of the site to grid squares K6, J6, K7, J7, I7, K8, J8, and I8. No excavation undertaken. Turning of treatment beds was undertaken to promote biological degradation and dry the material in preparation for reinstatement. Relocating of existing treatment beds and stockpiles from the centre of the site was undertaken to create space for validation and backfilling.

Week 63. Week Commencing 23rd May 2011

Excavation in grid square H14 and Lagoon B which is now surplus to requirement, materials were hauled to treatment area and grid squares validated. Relocating of existing treatment beds and stockpiles from the centre of the site was undertaken to create space for validation and backfilling. Restoration of remediated soils 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.

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 detected by the PID (Limit of detection of 0.1ppm) beyond the site boundary on the following occasions:

- 06/05/2011 10:15 at the west monitoring location, a maximum PID reading of 5ppm was recorded with the odour being described as an intense solvent smell. To reduce the concentrations of VOC present at this location, works on the odorous beds were halted and the materials were immediately covered, the VOC concentrations rapidly reduced to 0.0ppm.

- 13/05/2011 10:35 at the west monitoring location, a maximum PID reading of 0.1ppm was recorded with the odour being described as a weak solvent smell. The odour was intermittent and no action was required other than regular monitoring to ensure the voc levels in this area did not increase during the works.

- 16/05/2011 10:40 at the northwest monitoring location, a maximum PID reading of 0.2ppm was recorded with the odour being described as a barely traceable solvent smell. The odour was intermittent and no action was required other than regular monitoring to ensure the voc levels in this area did not increase.

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 14/04/2011 and 12/05/2011 are reported in appendix C. Due to a dispatch error by the media supplier Unicarb tubes were used to collect the monthly data rather than the preferred Tenax tube, this resulted in

a poor recovery of data at the laboratory for the voc's that have been continually present around the site. The data produced still indicates that Tetrachloroethene is the most dominant VOC present around the site, yet is well below the levels considered to be within acceptable limits for published criteria. Due to the type of activities on site and the infrequency of any odorous activities it is highly likely that voc's generated at the site were all well below acceptable limits during the monitoring period.

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 183.65µg/m^3, the average PM10 dust reading around the site is 94.56µg/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 03/05/2011 to 17/05/2011 (6 locations monitored) recorded a maximum dust deposition rate was 0.64%EAC at the west monitoring location. All other locations had a maximum dust deposition rate of 0.57%EAC, or less.

Dust monitoring undertaken from the 17/05/2011 to 01/06/2011 (3 locations monitored only due to damage to monitoring equipment caused by high winds during the monitoring period) recorded a maximum dust deposition rate was 1.53%EAC at the east monitoring location. All other locations had a maximum dust deposition rate of 1.07%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 64dB. 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.

On the 17th of May 2011 there was a significant drop in the water level within the Riddy brook of around 30 – 40mm by the 19th of May the water level had returned to its usual level for the monitoring period, this event was not related to any site works and may have been a result of water abstraction from the Riddy Brook upstream of the site.

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 31st May 2011 are presented in Appendix F.

The surface water analysis of the 31st May 2011 shows trace levels of Mecoprop (7.6 ug/l), MCPA (7.4ug/l), Tetrachloroethylene (4 µg/l) and Ethofumesate (0.4 ug/l) detected in all surface water samples analysed, the Riddy Brook upstream and downstream and the River Cam upstream and downstream, with the higher concentrations generally being present in the upstream samples of both water courses. Dichloroprop (1.5 ug/l) was detected in both upstream

and downstream samples of the Riddy Brook, Schradan (3.4 ug/l) was detected in the down stream sample of the River Cam and Cis1,2-Dichloroethylene (1 µg/l) was detected in the down stream sample of the Riddy Brook.

These trace levels identified in the May 2011 sampling round have been recorded in the baseline data collected prior to the commencement of the remediation project and are not related to a specific site incident.

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.

Groundwater contour plots are drawn up on a weekly basis to interpret the potential movement of the water beneath the site. Contour plots D907_171, D907_172, D907_173, and D907_174 (Appendix G) illustrate the weekly groundwater levels for the reported period.

The four contour plots constructed (Appendix G) illustrate that there have been little changes to groundwater levels within the boreholes on site, due to the discontinuous nature of the geology on site and the depth of open excavation, the contour plots do not accurately depict groundwater level across the site.

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. There has not been any change to the pumping regime in this part of the site during the monitoring period.

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 31st May 2011 are presented in Appendix F.

The contaminant concentrations present in the samples taken on the 31st of May 2011, are similar to the baseline data collected during the summer of 2008, however there is a considerable reduction in concentration of the main contaminants in the groundwater samples adjacent to the areas that have undergone remediation.

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 29/05/2011, eighty nine 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

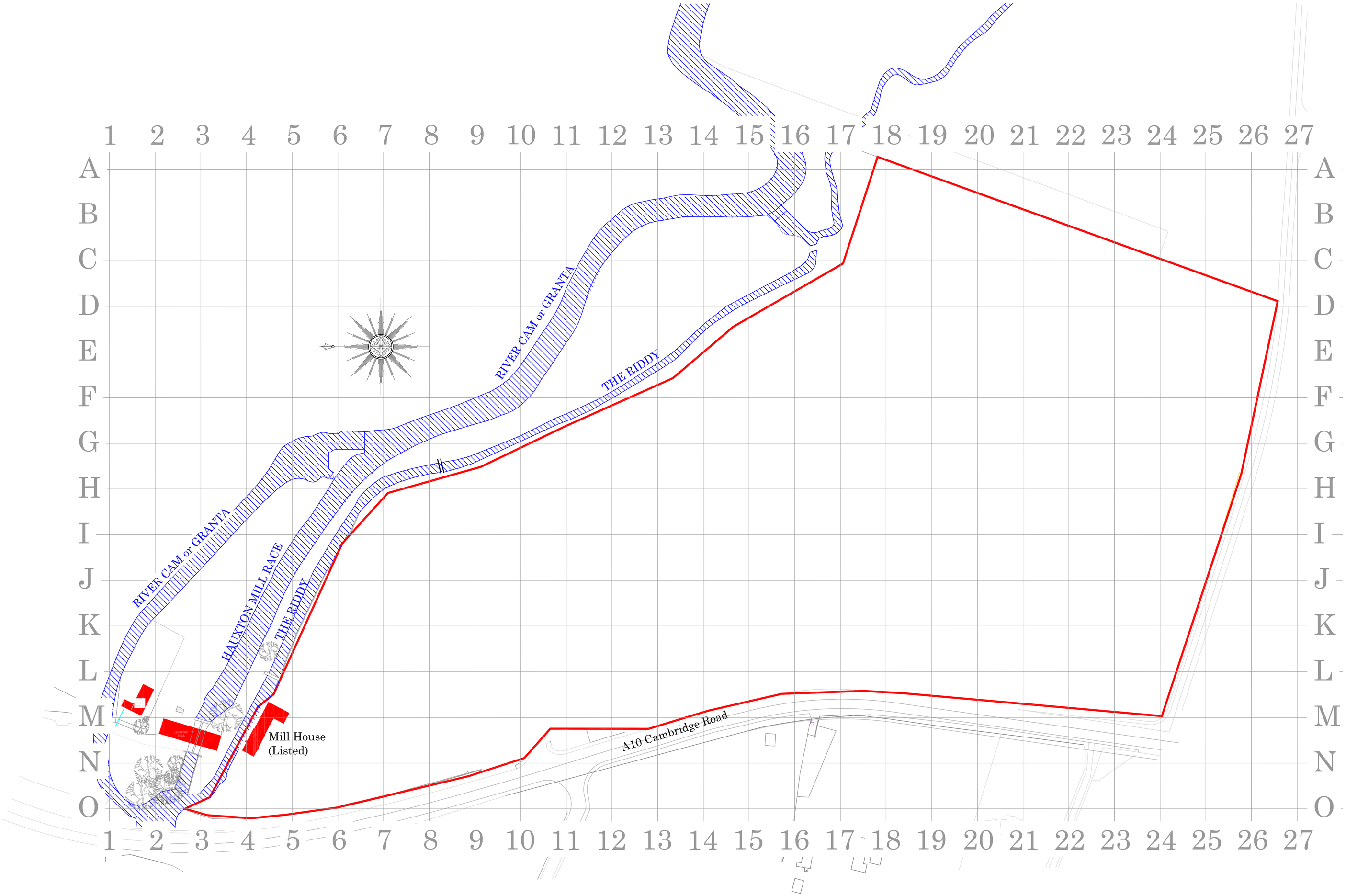
Drawings

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

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Site Address:

Bayer Site
Hauxton
Cambridge

Rev:

Title: Blank Site Plan with Grid

Client: Harrow Estates

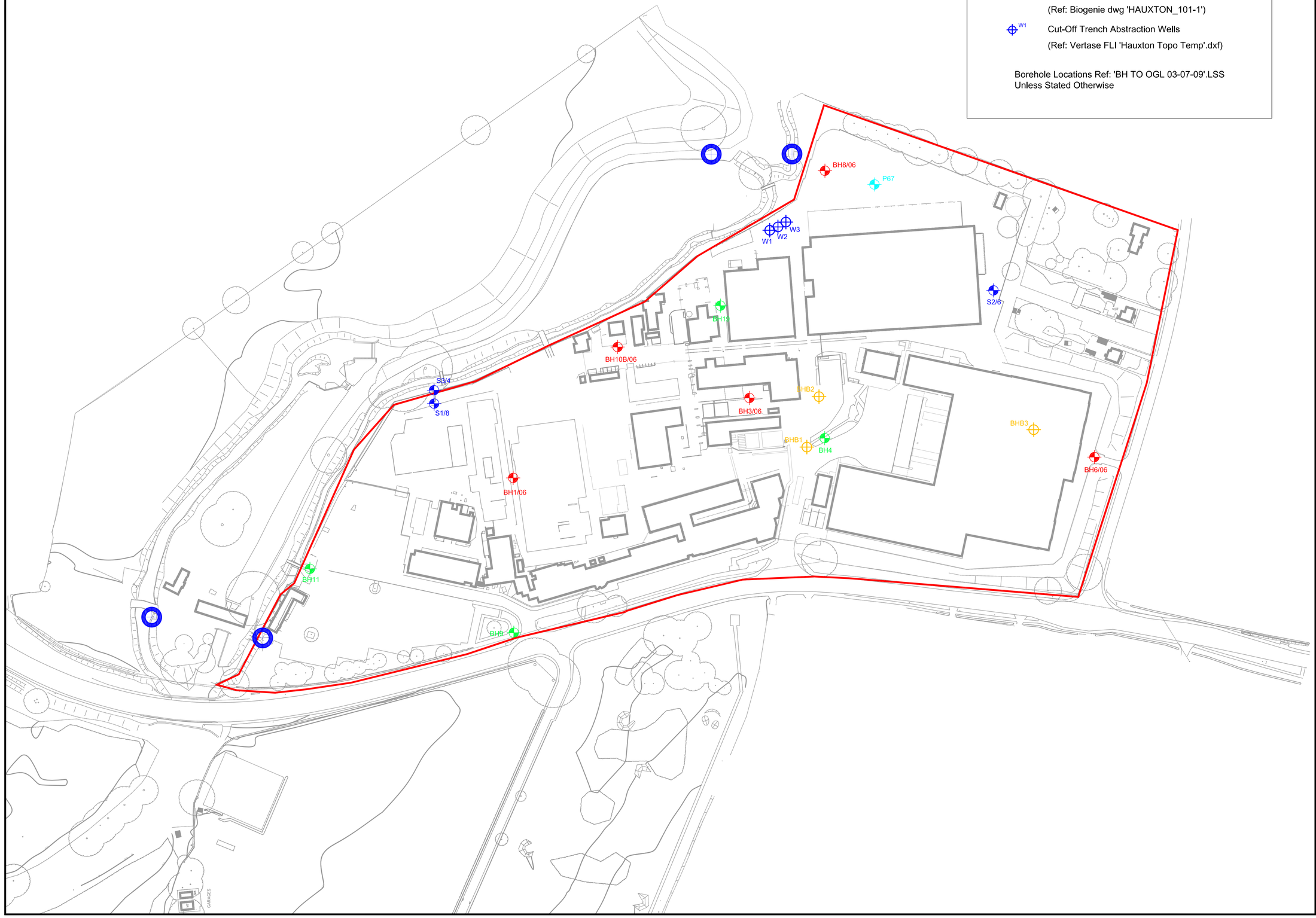
Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_07	Contract: 907BRI	Scale: 1:1000

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

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Site Address:
Bayer Site
Hauxton
Cambridge

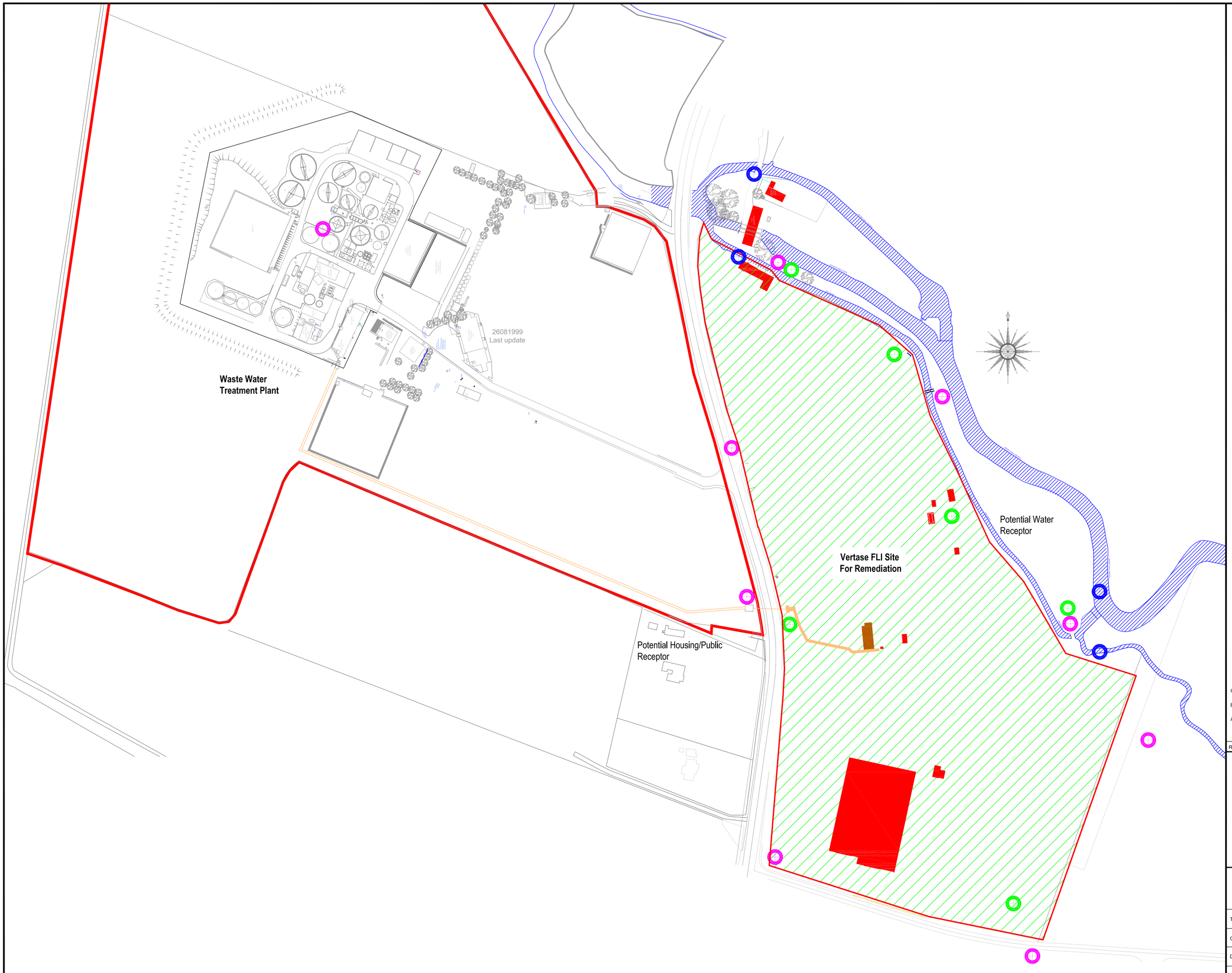
Rev: E

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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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 6)	Wind Direction	Air Temp (C)	Description (Rain, Sun)	Cloud Cover (0 to 8)	Ground Conditions (Wet, dry)	General Notes
T Walker	03/05/2011	Bed turning/restoration	N	10.45	10.50	y	3	solvents	-1	2	5	0	104	88	62	no	no	clear	9.216	no	no							
T Walker	03/05/2011	Bed turning/restoration	NE	10.50	10.55	n				2		0	128	74	64	no	no	clear		no	no							
T Walker	03/05/2011	Bed turning/restoration	NE1	10.55	11.00	n						0	208	69	61			clear		no	no							
T Walker	03/05/2011	Bed turning/restoration	E	11.05	11.10	n				2		0	241	71	67	no	no	clear	9.645	no	no							
T Walker	03/05/2011	Bed turning/restoration	SE	11.10	11.15	n				2		0			62	no	no			no	no							
T Walker	03/05/2011	Bed turning/restoration	S	11.15	11.20	n				3		0	204	86	64	no	no			no	no							
T Walker	03/05/2011	Bed turning/restoration	SW	11.20	11.25	n				4		0			62	no	no			no	no							
T Walker	03/05/2011	Bed turning/restoration	W	11.25	11.30	n				4		0	256	71	62	no	no			no	no							
T Walker	03/05/2011	Bed turning/restoration	NW	11.30	11.35	n				2		0			59	no	no			no	no							
I Stephenson	03/05/2011	Bed turning/restoration	N	17.00	17.15	y	5	chlorinated solvents	0	2	5	0	130	150	59.8	no	no	clear	9.216	no	exposition foggers	0.6	se	18	sun	1	dry	no odour at church
I Stephenson	03/05/2011	Bed turning/restoration	NE	17.05	17.10	y	5	cow parsley veg	-2	2	5	0	340	108	71.5	no	no	clear		no	no							
I Stephenson	03/05/2011	Bed turning/restoration	NE1	17.00	17.05	n						0	263	95		no	no	clear		no	no							
I Stephenson	03/05/2011	Bed turning/restoration	E	16.55	17.00	y	7	cow parsley vegetation	-3	2	5	0	329	84	63.1	no	no	clear	9.645	no	no							
I Stephenson	03/05/2011	Bed turning/restoration	SE	16.50	16.55	n				3		0			55.4	no	no			no	no							
I Stephenson	03/05/2011	Bed turning/restoration	S	16.45	16.50	n				3		0	91	91	53.4	no	no			no	no							
I Stephenson	03/05/2011	Bed turning/restoration	SW	16.40	16.45	y	5	vegetation	-1	4	5	0			75.8	no	no			no	no							
I Stephenson	03/05/2011	Bed turning/restoration	W	16.35	16.40	y	4	odour control and solvents	-1	4	5	0	212	64	74.5	no	no			no	no							
I Stephenson	03/05/2011	Bed turning/restoration	NW	16.30	16.35	y	5	odour control	-2	2	5	0			76.2	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	N	10.00	10.05	n				2		0	210	21	52	no	no	clear	9.190	no	no	6	ssw	17	dry	5	dry	
T Walker	04/05/2011	Bed turning/restoration	NE	10.10	10.15	n				2		0	180	67	54	no	no	clear		no	no							
T Walker	04/05/2011	Bed turning/restoration	NE1	10.15	10.20	n						0	187	93				clear		no	no							
T Walker	04/05/2011	Bed turning/restoration	E	10.20	10.25	n				2		0	178	88	56	no	no	clear	9.644	no	no							
T Walker	04/05/2011	Bed turning/restoration	SE	10.25	10.30	n				3		0			58	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	S	10.30	10.35	n				3		0	136	54	62	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	SW	10.35	10.40	n				4		0			68	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	W	10.40	10.45	n				4		0	128	52	67	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	NW	10.45	10.50	n				2		0			61	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	N	15.00	15.05	n				2		0	206	76	62	no	no	clear	9.190	no	no	8	se	17	dry	3	dry	
T Walker	04/05/2011	Bed turning/restoration	NE	15.05	15.10	n				2		0	186	67	61	no	no	clear		no	no							
T Walker	04/05/2011	Bed turning/restoration	NE1	15.10	15.15	n						0	171	68				clear		no	no							
T Walker	04/05/2011	Bed turning/restoration	E	15.15	15.20	n				2		0	185	67	60	no	no	clear	9.644	no	no							
T Walker	04/05/2011	Bed turning/restoration	SE	15.20	15.25	n				2		0			57	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	S	15.25	15.30	n				3		0	182	68	58	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	SW	15.30	15.35	n				4		0			59	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	W	15.35	15.40	n				4		0	107	67	63	no	no			no	no							
T Walker	04/05/2011	Bed turning/restoration	NW	15.40	15.45	n				2		0			61	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	N	8.30	8.35	y				2		0	187	79	59	no	no	clear	9.194	no	no	4	se	17	dry	3	dry	complaint from orchard close previous evening no odours detectet
T Walker	05/05/2011	Bed turning/restoration	NE	8.35	8.40	n				2		0	204	97	54	no	no	clear		no	no							
T Walker	05/05/2011	Bed turning/restoration	NE1	8.40	8.45	n						0	196	131				clear		no	no							
T Walker	05/05/2011	Bed turning/restoration	E	8.45	8.50	n				2		0	204	147	57	no	no	clear	9.639	no	no							
T Walker	05/05/2011	Bed turning/restoration	SE	8.50	8.55	n				3		0			50	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	S	8.55	9.00	n				3		0	221	200	49	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	SW	9.00	9.05	n				4		0			56	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	W	9.05	9.10	n				4		0	241	197	69	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	NW	9.10	9.15	n				2		0			72	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	N	16.00	16.10	n				2		0	200	78	56	no	no	clear	9.194	no	no	5	SE	20	dry	0	dry	
T Walker	05/05/2011	Bed turning/restoration	NE	16.10	16.15	n				2		0	194	101	59	no	no	clear		no	no							
T Walker	05/05/2011	Bed turning/restoration	NE1	16.15	16.20	n						0	244	82				clear		no	no							
T Walker	05/05/2011	Bed turning/restoration	E	16.20	16.25	n				2		0	201	74	60	no	no	clear	9.639	no	no							
T Walker	05/05/2011	Bed turning/restoration	SE	16.25	16.30	n				3		0			61	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	S	16.30	16.35	n				3		0	194	91	70	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	SW	16.35	16.40	n				4		0			72	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	W	16.40	16.45	n				4		0	137	84	74	no	no			no	no							
T Walker	05/05/2011	Bed turning/restoration	NW	16.45	16.50	n				2		0			60	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	N	9.30	9.35	y	4	blossom/odour control	2	2	5	0	206	104	60	no	no	clear	9.193	no	no	4	50	18	dry	3	dry	On site PID readings up to 5ppm steady at 2.0-3.0ppm force vent bed covered and sealed
T Walker	06/05/2011	Bed turning/restoration	NE	9.35	9.40	y	6	odour control	2	2	5	0	241	208	61	no	no	clear		no	no							
T Walker	06/05/2011	Bed turning/restoration	NE1	9.40	9.45	n						0	141	104				clear		no	no							
T Walker	06/05/2011	Bed turning/restoration	E	9.45	9.50	y	3	odour control	2	2	5	0	176	173	54	no	no	clear	9.639	no	no							
T Walker	06/05/2011	Bed turning/restoration	SE	9.50	9.55	y	6	odour control	3	3	5	0			62	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	S	10.00	10.05	n				3		0	108	74	66	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	SW	10.05	10.10	n				4		0			67	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	W	10.10	10.15	y	8	solvents	0	4	1	2.4	74	58	60	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	NW	10.15	10.20	n				2		0			78	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	N	15.30	15.35	y				2		0			66	no	no	clear	9.193	no	no	4	sw	19	dry	3	dry	
T Walker	06/05/2011	Bed turning/restoration	NE	15.35	15.40	n				2		0			62	no	no	clear		no	no							
T Walker	06/05/2011	Bed turning/restoration	NE1	15.35	15.40	n						0			60			clear		no	no							
T Walker	06/05/2011	Bed turning/restoration	E	15.40	15.45	y	1	odour control	2	2	5	0			60	no	no	clear	9.639	no	no							
T Walker	06/05/2011	Bed turning/restoration	SE	15.45	15.50	y	1	odour control	0	3	5	0			60	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	S	15.50	15.55	n				3		0			62	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	SW	15.55	16.00	n				4		0			60	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	W	16.00	16.05	n				4		0			62	no	no			no	no							
T Walker	06/05/2011	Bed turning/restoration	NW	16.05	16.10	n				2		0			62	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	N	11.00	11.05	y	4	solvents/odour control	-1	2	5	0	146	104	56	no	no	clear	9.191	no	no	5.1	sw	25	dry	7	dry	
T Walker	09/05/2011	Bed turning/restoration	NE	11.05	11.10	y	2	solvents	-1	2	5	0	188	82	62	no	no	clear		no	no							
T Walker	09/05/2011	Bed turning/restoration	NE1	11.05	11.10	n						0	156	87				clear		no	no							
T Walker	09/05/2011	Bed turning/restoration	E	11.10	11.15	n				2		0	121	88	61	no	no	clear	9.639	no	no							
T Walker	09/05/2011	Bed turning/restoration	SE	11.15	11.20	n				2		0			62	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	S	11.20	11.25	n				3		0	204	121	64	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	SW	11.25	11.30	n				4		0			62	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	W	11.30	11.35	n				4		0	206	186	68	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	NW	11.35	11.40	n				2		0			62	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	N	16.00	16.05	n				2		0	146	76	58	no	no	clear	9.191	no	no	6	ssw	20	dry	4	dry	
T Walker	09/05/2011	Bed turning/restoration	NE	16.10	16.15	n				2		0	172	82	56	no	no	clear		no	no							
T Walker	09/05/2011	Bed turning/restoration	NE1	16.15	16.15	n						0	114	87				clear		no	no							
T Walker	09/05/2011	Bed turning/restoration	E	16.15	16.20	n				2		0	182	93	54	no	no	clear	9.639	no	no							
T Walker	09/05/2011	Bed turning/restoration	SE	16.20	16.25	y	2	diesel	-1	3	5	0			62	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	S	16.25	16.30	n				3		0	176	70	70	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	SW	16.30	16.35	n				4		0			72	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	W	16.40	16.45	n				4		0	141	76	74	no	no			no	no							
T Walker	09/05/2011	Bed turning/restoration	NW	16.45	16.50	n				2		0			68	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	N	10.00	10.05	n				2		0	206	71	62	no	no	clear	9.19	no	no	8.1	sw	19	dry	0	dry	
T Walker	10/05/2011	Bed turning/restoration	NE	10.05	10.10	n				2		0	186	82	58	no	no	clear		no	no							
T Walker	10/05/2011	Bed turning/restoration	NE1	10.05	10.10	n						0	171	72				clear		no	no							
T Walker	10/05/2011	Bed turning/restoration	E	10.10	10.15	n				2		0	108	73	52	no	no	clear	9.638	no	no							
T Walker	10/05/2011	Bed turning/restoration	SE	10.15	10.20	n				3		0			58	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	S	10.20	10.25	n				3		0	182	82	64	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	SW	10.25	10.30	n				4		0			62	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	W	10.30	10.35	n				4		0	170	62	60	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	NW	10.35	10.40	n				2		0			61	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	N	16.00	16.05	n				2		0	188	101	62	no	no	clear	9.19	no	no	6	ssw	19	dry	5	dry	Eastern side slight solvent smell, odour control increased in this area
T Walker	10/05/2011	Bed turning/restoration	NE	16.05	16.10	n				2		0	97	33	58	no	no	clear		no	no							
T Walker	10/05/2011	Bed turning/restoration	NE1	16.10	16.15	n						0	136	71				clear		no	no							
T Walker	10/05/2011	Bed turning/restoration	E	16.15	16.20	y	3	solvents	-1	2	5	0	170	122	62	no	no	clear	9.638	no	no							
T Walker	10/05/2011	Bed turning/restoration	SE	16.20	16.25	n				3		0			68	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	S	16.25	16.30	n				3		0	204	122	62	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	SW	16.30	16.35	n				4		0			70	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	W	16.35	16.40	n				4		0	315	286	74	no	no			no	no							
T Walker	10/05/2011	Bed turning/restoration	NW	16.40	16.45	n				2		0			60	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	N	9.00	9.05	n				2		0			62	no	no	clear	9.188	no	no	4	sw	14	dry	8	dry	
T Walker	11/05/2011	Bed turning/restoration	NE	9.05	9.10	n				2		0			58	no	no	clear		no	no							
T Walker	11/05/2011	Bed turning/restoration	NE1	9.10	9.15	n						0						clear		no	no							
T Walker	11/05/2011	Bed turning/restoration	E	9.15	9.20	n				2		0			62	no	no	clear	9.637	no	no							
T Walker	11/05/2011	Bed turning/restoration	SE	9.20	9.25	n				3		0			63	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	S	9.25	9.30	n				3		0			62	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	SW	9.30	9.35	n				4		0			69	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	W	9.35	9.40	n				4		0			65	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	NW	9.40	9.45	n				2		0			76	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	N	16.00	16.05	n				2		0	189	91	60	no	no	clear	9.188	no	no	6	SW	19	dry	2	dry	
T Walker	11/05/2011	Bed turning/restoration	NE	16.05	16.10	n				2		0	171	90	60	no	no	clear		no	no							
T Walker	11/05/2011	Bed turning/restoration	NE1	16.10	16.15	n						0	156	89				clear		no	no							
T Walker	11/05/2011	Bed turning/restoration	E	16.15	16.20	n				2		0	124	86	61	no	no	clear	9.637	no	no							
T Walker	11/05/2011	Bed turning/restoration	SE	16.20	16.25	n				2		0			62	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	S	16.25	16.30	n				3		0	204	88	62	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	SW	16.30	16.35	n				4		0			68	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	W	16.35	16.40	y	2	odour control	0	4	5	0	256	100	69	no	no			no	no							
T Walker	11/05/2011	Bed turning/restoration	NW	16.40	16.45	y	3	odour control	0	2	5	0			71	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	N	10.00	10.05	n				2		0	186	91	62	no	no	clear	9.188	no	no	7.6	w	17	dry	6	dry	Increased odour control on eastern boundary
T Walker	12/05/2011	Bed turning/restoration	NE	10.05	10.10	y	3	solvents	-1	2	5	0	182	80	68	no	no	clear		no	no							
T Walker	12/05/2011	Bed turning/restoration	NE1	10.05	10.10	n						0	174	101				clear		no	no							
T Walker	12/05/2011	Bed turning/restoration	E	10.10	10.15	y	4	solvents diesel	-1	2	5	0	204	104	63	no	no	clear	9.637	no	no							
T Walker	12/05/2011	Bed turning/restoration	SE	10.15	10.20	y	4	solvents	-2	3	5	0			64	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	S	10.20	10.25	y	4	solvents odour control	-2	3	5	0	181	71	58	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	SW	10.25	10.30	n				4		0			60	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	W	10.30	10.35	n				4		0	146	71	62	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	NW	10.35	10.40	n				2		0			64	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	N	15.00	15.05	n				2		0	186	60	62	no	no	clear	9.188	no	no	6	w	18	dry	2	dry	
T Walker	12/05/2011	Bed turning/restoration	NE	15.05	15.10	n				2		0	191	76	58	no	no	clear		no	no							
T Walker	12/05/2011	Bed turning/restoration	NE1	15.10	15.15	n						0	205	89				clear		no	no							
T Walker	12/05/2011	Bed turning/restoration	E	15.15	15.20	n				2		0	143	101	58	no	no	clear	9.637	no	no							
T Walker	12/05/2011	Bed turning/restoration	SE	15.20	15.25	n				3		0			57	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	S	15.25	15.30	n				3		0	104	97	62	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	SW	15.30	15.35	n				4		0			61	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	W	15.35	15.40	n				4		0	156	98	70	no	no			no	no							
T Walker	12/05/2011	Bed turning/restoration	NW	15.40	15.45	n				2		0			74	no	no			no	no							
T Walker	13/05/2011	Bed turning/restoration	N	10.00	10.05	n				2		0	257	100	54	no	no	clear	9.188	yes	none	4	w	18	dry	2	dry	complaint from great shelford - visited location no odours detected. Slight odours on A10 in gusts only

T Walker	13/05/2011	Bed turning/restoration	NE	10.05	10.10	n				2		0	306	104	54	no	no	clear		no	no							
T Walker	13/05/2011	Bed turning/restoration	NE1	10.10	10.15								341	125				clear		no	no							
T Walker	13/05/2011	Bed turning/restoration	E	10.15	10.20	n				2		0	201	184	54	no	no	clear	9.637	no	no							
T Walker	13/05/2011	Bed turning/restoration	SE	10.20	10.25	n				3		0			52	no	no			no	no							
T Walker	13/05/2011	Bed turning/restoration	S	10.25	10.30	n				3		0	246	91	56	no	no			no	no							
T Walker	13/05/2011	Bed turning/restoration	SW	10.30	10.35	n				4		0			61	no	no			no	no							
T Walker	13/05/2011	Bed turning/restoration	W	10.35	10.40	y	4	solvents	-2	4	5	0.1	194	40	74	no	no			no	no							
T Walker	13/05/2011	Bed turning/restoration	NW	10.40	10.45	y	3	solvents	-1	2	5	0			80	no	no			no	no							
I Stephenson	13/05/2011	bed turning	N	15.40	15.45	n				2		0	743	146.5	67	no	no	clear	9.188	no	no	3	wsw	18	sunny spells	3	dry	no odour at church
I Stephenson	13/05/2011	bed turning	NE	15.35	15.40	y	3	odour control	1	2	5	0	139	53.4	55.2	no	no	clear		no	no							
I Stephenson	13/05/2011	bed turning	NE1	15.30	15.35								28.8	63.3				clear		no	no							
I Stephenson	13/05/2011	bed turning	E	15.25	15.30	y	3	odour control and vegetation	1	2	3	0	125.6	61.4	61.5	no	no	clear	9.637	no	no							
I Stephenson	13/05/2011	bed turning	SE	15.20	15.25	n				3		0			62.8	no	no			no	no							
I Stephenson	13/05/2011	bed turning	S	15.15	15.20	n				3		0	59	96.5	64.4	no	no			no	no							
I Stephenson	13/05/2011	bed turning	SW	15.10	15.15	n				4		0			70.1	no	no			no	no							
I Stephenson	13/05/2011	bed turning	W	15.05	15.10	y	5	car fumes and asphalt	-1	4	1	0	297.4	37.2	77.3	no	no			no	no							
I Stephenson	13/05/2011	bed turning	NW	15.00	15.05	n				2		0			78.9	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	N	10.00	10.05	n				2		0	206	110	62	no	no	clear	9.193	no	no	7.6	w	14	dry	7	dry	solvent odour on NW A10 boundary, no action taken as odours in gusts. Max PID 0.1ppr
T Walker	16/05/2011	excavating in grids/bed turning	NE	10.05	10.10	n				2		0	231	76	54	no	no	clear		no	no							
T Walker	16/05/2011	excavating in grids/bed turning	NE1	10.10	10.15								189	104				clear		no	no							
T Walker	16/05/2011	excavating in grids/bed turning	E	10.15	10.20	n				2		0	176	104	64	no	no	clear	9.639	no	no							
T Walker	16/05/2011	excavating in grids/bed turning	SE	10.20	10.25	n				3		0			52	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	S	10.25	10.30	n				3		0	156	123	67	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	SW	10.30	10.35	n				4		0			54	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	W	10.35	10.40	n				4		0	204	122	81	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	NW	10.40	10.45	y	1	solvents	0	2	1	0.2			72	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	N	16.30	16.35	n				2		0	161	71	67	no	no	clear	9.193	no	no	2.9	sw	18	dry	8	dry	
T Walker	16/05/2011	excavating in grids/bed turning	NE	16.35	16.40	n				2		0	156	70	58	no	no	clear		no	no							
T Walker	16/05/2011	excavating in grids/bed turning	NE1	16.35	16.40								123	87				clear		no	no							
T Walker	16/05/2011	excavating in grids/bed turning	E	16.40	16.45	y	1	odour control	1	2	5	0	200	100	62	no	no	clear	9.639	no	no							
T Walker	16/05/2011	excavating in grids/bed turning	SE	16.45	16.50	n				3		0			60	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	S	16.50	16.55	n				3		0	121	71	62	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	SW	16.55	17.00	n				4		0			60	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	W	17.00	17.05	n				4		0	141	70	71	no	no			no	no							
T Walker	16/05/2011	excavating in grids/bed turning	NW	17.05	17.10	n				2		0			67	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	N	9.00	9.05	n				2		0	210	104	60	no	no	clear	9.159	no	no	1	sw	16	dry	3	dry	significant water level dropped in Riddy brook, odour at NW boundary confined to public footpat
T Walker	17/05/2011	excavating in grids/bed turning	NE	9.05	9.10	y	3	solvents	-1	2	5	0	200	146	62	no	no	clear		no	no							
T Walker	17/05/2011	excavating in grids/bed turning	NE1	9.05	9.10								321	103				clear		no	no							
T Walker	17/05/2011	excavating in grids/bed turning	E	9.10	9.15	n				2		0	210	173	68	no	no	clear	9.613	no	no							
T Walker	17/05/2011	excavating in grids/bed turning	SE	9.15	9.20	n				3		0			62	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	S	9.20	9.25	n				3		0	310	152	58	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	SW	9.25	9.30	n				4		0			60	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	W	9.30	9.35	n				4		0	104	73	62	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	NW	9.35	9.40	y	4	Bis 2	-3	2	1	0			64	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	N	16.00	16.05	n				2		0	204	100	56	no	no	clear	9.159	yes	None	3	sw	20	dry	0	dry	1 complaint from Gt shellford, nothing detected on visit
T Walker	17/05/2011	excavating in grids/bed turning	NE	16.05	16.10	n				2		0	241	106	58	no	no	clear		no	no							
T Walker	17/05/2011	excavating in grids/bed turning	NE1	16.10	16.15								246	147				clear		no	no							
T Walker	17/05/2011	excavating in grids/bed turning	E	16.15	16.20	n				2		0	187	141	60	no	no	clear	9.613	no	no							
T Walker	17/05/2011	excavating in grids/bed turning	SE	16.20	16.25	n				3		0			72	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	S	16.25	16.30	n				3		0	287	70	68	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	SW	16.30	16.35	n				4		0			72	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	W	16.35	16.40	n				4		0	300	141	74	no	no			no	no							
T Walker	17/05/2011	excavating in grids/bed turning	NW	16.45	16.50	n				2		0			80	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	N	10.00	10.05	n				2		0	186	90	62	no	no	clear	9.165	no	no		sw		dry	8	dry	no high pid readings just Bis 2 odours stepped up odour contro
T Walker	18/05/2011	excavating in grids/bed turning	NE	10.05	10.10	n				2		0	120	100	58	no	no	clear		no	no							
T Walker	18/05/2011	excavating in grids/bed turning	NE1	10.10	10.10								180	96				clear		no	no							
T Walker	18/05/2011	excavating in grids/bed turning	E	10.10	10.15	y	4	solvents	-1	2	5	0	200	100	62	no	no	clear	9.598	no	no							
T Walker	18/05/2011	excavating in grids/bed turning	SE	10.15	10.20	n				3		0			58	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	S	10.20	10.25	n				3		0	200	126	62	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	SW	10.25	10.30	n				4		0			60	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	W	10.30	10.35	n				4		0	200	110	60	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	NW	10.35	10.40	y	8	Bis 2	-3	2	5	0																
T Walker	18/05/2011	excavating in grids/bed turning	N	16.00	16.05	n				2		0	146	71	56	no	no	clear	9.165	no	no	6	w	17	dry	6	dry	
T Walker	18/05/2011	excavating in grids/bed turning	NE	16.05	16.10	n				2		0	178	104	56	no	no	clear		no	no							
T Walker	18/05/2011	excavating in grids/bed turning	NE1	16.10	16.15								123	132				clear		no	no							
T Walker	18/05/2011	excavating in grids/bed turning	E	16.15	16.20	y	3	solvents	-2	2	5	0	204	104	61	no	no	clear	9.598	no	no							
T Walker	18/05/2011	excavating in grids/bed turning	SE	16.20	16.25	n				3		0			67	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	S	16.25	16.30	n				3		0	245	26	63	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	SW	16.30	16.35	n				4		0			70	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	W	16.35	16.40	n				4		0	261	126	71	no	no			no	no							
T Walker	18/05/2011	excavating in grids/bed turning	NW	16.40	16.45	n				2		0			84	no	no			no	no							
T Walker	19/05/2011	excavating in grids/bed turning	N	8.00	8.05	y	2	odour control	1	2	5	0	161	83	62	no	no	clear	9.166	no	no	1	sw	16	dry	0	dry	Riddy brook water level still low but has risen slightly. Odour from excavation on public footpath in gust
T Walker	19/05/2011	excavating in grids/bed turning	NE	8.05	8.10	n				2		0	140	76	54	no	no	clear		no	no							
T Walker	19/05/2011	excavating in grids/bed turning	NE1	8.05	8.10								140	71				clear		no	no							
T Walker	19/05/2011	excavating in grids/bed turning	E	8.10	8.15	n				2		0	170	80	60	no	no	clear	9.647	no	no							
T Walker	19/05/2011	excavating in grids/bed turning	SE	8.15	8.20	n				3		0			62	no	no			no	no							
T Walker	19/05/2011	excavating in grids/bed turning	S	8.20	8.25	n				3		0	122	90	58	no	no			no	no							
T Walker	19/05/2011	excavating in grids/bed turning	SW	8.25	8.30	n				4		0			60	no	no			no	no							
T Walker	19/05/2011	excavating in grids/bed turning	W	8.30	8.35	n				4		0	220	100	56	no	no			no	no							
T Walker	19/05/2011	excavating in grids/bed turning	NW	8.35	8.40	y	4	Bis 2	-2	2	5	0			70	no	no			no	no							
I Stephenson	19/05/2011	Bed turning/restoration	N	17.40	17.45	n				2		0			67.3	no	no	clear	9.166	no	no	0	sse	20.6	sunny spells	6	dry	no odour at church
I Stephenson	19/05/2011	Bed turning/restoration	NE	17.35	17.40	y	4	hydrocarbons engine	1	2	5	0			55.8	no	no	clear		no	no							
I Stephenson	19/05/2011	Bed turning/restoration	NE1	17.30	17.35													clear		no	no							
I Stephenson	19/05/2011	Bed turning/restoration	E	17.25	17.30	y	4	trees and veg	-1	2	1	0			54.3	no	no	clear	9.647	no	no							
I Stephenson	19/05/2011	Bed turning/restoration	SE	17.20	17.25	n				3		0			61.8	no	no			no	no							
I Stephenson	19/05/2011	Bed turning/restoration	S	17.15	17.20	y	3	pine tree	1	3	1	0			51.8	no	no			no	no							
I Stephenson	19/05/2011	Bed turning/restoration	SW	17.10	17.15	n				4		0			22.3	no	no			no	no							
I Stephenson	19/05/2011	Bed turning/restoration	W	17.05	17.10	n				4		0			74.5	no	no			no	no							
I Stephenson	19/05/2011	Bed turning/restoration	NW	17.00	17.05	n				2		0			78.7	no	no			no	no							
T Walker	20/05/2011	Bed turning/restoration	N	8.30	8.35	n				2		0	200	150	50	no	no	clear	9.195	no	no	3	w	19	dry	0	dry	
T Walker	20/05/2011	Bed turning/restoration	NE	8.35	8.40	y	1	odour control	0	2	5	0	220	137	63	no	no	clear		no	no							
T Walker	20/05/2011	Bed turning/restoration	NE1	8.40	8.45								184	71				clear		no	no							
T Walker	20/05/2011	Bed turning/restoration	E	8.45	8.50	y	5	wood smoke	-3	2	1	0	196	76	62	no	no	clear	9.647	no	no							
T Walker	20/05/2011	Bed turning/restoration	SE	8.50	8.55	y	6	odour control	-1	3	5	0			60	no	no			no	no							
T Walker	20/05/2011	Bed turning/restoration	S	8.55	9.00	n				3		0	208	171	68	no	no			no	no							
T Walker	20/05/2011	Bed turning/restoration	SW	9.00	9.05	y	2/3	pesticides	-1	4	5	0			62	no	no			no	no							
T Walker	20/05/2011	Bed turning/restoration	W	9.05	9.10	n				4		0	171	71	67	no	no			no	no							
T Walker	20/05/2011	Bed turning/restoration	NW	9.10	9.15	n				2		0			70	no	no			no	no							
I Stephenson	20/05/2011	Bed turning/restoration	N	16.00	16.05	n				2		0	60	36	61.4	no	no	clear	9.195	no	no	1	w	18	sunny spells	2	dry	no odour at church
I Stephenson	20/05/2011	Bed turning/restoration	NE	15.55	16.00	n				2		0	68.9	35.4	53.5	no	no	clear		no	no							
I Stephenson	20/05/2011	Bed turning/restoration	NE1	15.50	15.55								17	33.5				clear		no	no							
I Stephenson	20/05/2011	Bed turning/restoration	E	15.45	15.50	n				2		0	306.2	50.3	58.2	no	no	clear	9.647	no	no							
I Stephenson	20/05/2011	Bed turning/restoration	SE	15.40	15.45	n				3		0			61.6	no	no			no	no							
I Stephenson	20/05/2011	Bed turning/restoration	S	15.35	15.40	n				3		0	79.4	61.7	54.3	no	no			no	no							
I Stephenson	20/05/2011	Bed turning/restoration	SW	15.30	15.35	n				4		0			80.4	no	no			no	no							
I Stephenson	20/05/2011	Bed turning/restoration	W	15.25	15.30	n				4		0	70.2	53.3	79.8	no	no			no	no							
I Stephenson	20/05/2011	Bed turning/restoration	NW	15.20	15.25	n				2		0			72.9	no	no			no	no							
I Stephenson	23/05/2011	Bed turning/restoration	N	10.40	10.45	n				2		0	348	33	62	no	no	clear	9.194	no	no	16	sse	15	sunny spells	4	dry	no odour at church
I Stephenson	23/05/2011	Bed turning/restoration	NE	10.35	10.40	y	4	chlorinated solvents	-1	2	4	0	27	35	53	no	no	clear		no	check odour control							
I Stephenson	23/05/2011	Bed turning/restoration	NE1	10.30	10.35								57	23				clear		no	no							
I Stephenson	23/05/2011	Bed turning/restoration	E	10.25	10.30	n				2		0	198	61	65	no	no	clear	9.644	no	no							
I Stephenson	23/05/2011	Bed turning/restoration	SE	10.20	10.25	n				3		0			68	no	no			no	no							
I Stephenson	23/05/2011	Bed turning/restoration	S	10.15	10.20	n				3		0	41.8	34.9	70	no	no			no	no							
I Stephenson	23/05/2011	Bed turning/restoration	SW	10.10	10.15	y	5	vegetation and car fumes	-2	4	1	0			79	no	no			no	no							
I Stephenson	23/05/2011	Bed turning/restoration	W	10.05	10.10	n				4		0	298.7	51.3	74	no	no			no	no							
I Stephenson	23/05/2011	Bed turning/restoration	NW	10.00	10.05	n				2		0			78	no	no			no	no							
T Walker	23/05/2011	Bed turning/restoration	N	16.00	16.05	y	2	exhaust fumes	-1	2	5	0	146	91	56	no	no	clear	9.194	no	no	17	w	14	dry	8	dry	
T Walker	23/05/2011	Bed turning/restoration	NE	16.05	16.10	n				2		0	200	147	52	no	no	clear		no	no							
T Walker	23/05/2011	Bed turning/restoration	NE1	16.05	16.10								220	171				clear		no	no							
T Walker	23/05/2011	Bed turning/restoration	E	16.10	16.15	y	1	odour control	1	2	5	0	186	104	56	no	no	clear	9.644	no	no							
T Walker	23/05/2011	Bed turning/restoration	SE	16.15	16.20	n				3		0			61	no	no			no	no							
T Walker	23/05/2011	Bed turning/restoration	S	16.20	16.25	n				3		0	190	90	62	no	no			no	no							
T Walker	23/05/2011	Bed turning/restoration	SW	16.25	16.30	n				4		0			70	no	no			no	no							
T Walker	23/05/2011	Bed turning/restoration	W	16.30	16.35	n				4		0	186	71	69	no	no			no	no							
T Walker	23/05/2011	Bed turning/restoration	NW	16.35	16.40	n				2		0			60	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	N	10.00	10.05	n				2		0	204	100	50	no	no	clear	9.191	no	no	4	W	17	dry	4	dry	
T Walker	24/05/2011	Bed turning/restoration	NE	10.05	10.10	y	2	odour control	1	2	5	0	186	74	52	no	no	clear		no	no							
T Walker	24/05/2011	Bed turning/restoration	NE1	10.10	10.15								141	86				clear		no	no							
T Walker	24/05/2011	Bed turning/restoration	E	10.15	10.20	n				2		0	180	40	56	no	no	clear	9.644	no	no							
T Walker	24/05/2011	Bed turning/restoration	SE	10.20	10.25	n				3		0			62	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	S	10.25	10.30	n				3		0	156	101	60	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	SW	10.30	10.35	n				4		0			62	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	W	10.35	10.40	n				4		0	186	100	68	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	NW	10.40	10.45	n				2		0			68	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	N	16.30	16.35	n				2		0	186	91	54	no	no	clear	9.191	Yes	none	4.8	W	19	dry	2	dry	complaint of odour in church meadow engineer noted no odour present upon inspection. Complaint 17.25 fron the lane again no odour detected
T Walker	24/05/2011	Bed turning/restoration	NE	16.35	16.40	n				2		0	180	87	62	no	no	clear		no	no							
T Walker	24/05/2011	Bed turning/restoration	NE1	16.35	16.40								196	70				clear		no	no							
T Walker	24/05/2011	Bed turning/restoration	E	16.40	16.45	n				2		0	221	76	60	no	no	clear	9.644	no	no							
T Walker	24/05/2011	Bed turning/restoration	SE	16.45	16.50	n				3		0			67	no	no			yes	none							
T Walker	24/05/2011	Bed turning/restoration	S	16.50	16.55	n				3		0	141	104	72	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	SW	16.55	17.00	n				4		0			70	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	W	17.00	17.05	n				4		0	161	121	76	no	no			no	no							
T Walker	24/05/2011	Bed turning/restoration	NW	17.05	17.10	n				2		0			70	no	no			no	no							
T Walker	25/05/2011	Bed turning/restoration	N	10.30	10.35	n				2		0	146	71	56	no	no	clear	9.191	no	no	14	S	19	dry	0	dry	
T Walker	25/05/2011	Bed turning/restoration	NE	10.35	10.40	n				2		0	188	69	56	no	no	clear		no	no							
T Walker	25/05/2011	Bed turning/restoration	NE1	10.35	10.40								106	78				clear		no	no							
T Walker	25/05/2011	Bed turning/restoration	E	10.40	10.45	n				2		0	204	104	62	no	no	clear	9.644	no	no							
T Walker	25/05/2011	Bed turning/restoration	SE	10.45	10.50	n				3		0			62	no	no			no	no							

T Walker	25/05/2011	Bed turning/restoration	S	10.50	10.55	5				3		0	188	74	64	no	no			no	no										
T Walker	25/05/2011	Bed turning/restoration	SW	10.55	11.00	5				4		0			71	no	no			no	no										
T Walker	25/05/2011	Bed turning/restoration	W	11.00	11.05	5				4		0	176	56	74	no	no			no	no										
T Walker	25/05/2011	Bed turning/restoration	NW	11.05	11.10	5				2		0			78	no	no			no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	N	15.00	15.05	5				2		0			82	no	no	clear	9.191	no	no	14	s	19	dry	2	dry				
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	NE	15.05	15.10	5				2		0			64	no	no	clear		no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	NE1	15.05	15.10													clear		no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	E	15.10	15.15	y	2	solvent	-1	2	5	0			68	no	no	clear	9.642	no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	SE	15.15	15.20	5				3		0			70	no	no			no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	S	15.20	15.25	5				3		0			68	no	no			no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	SW	15.25	15.30	5				4		0			74	no	no			no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	W	15.30	15.35	5				4		0			78	no	no			no	no										
T Walker	25/05/2011	excavating in grids H14/bed turning/restoration	NW	15.35	15.40	y	1	odour control	0	2	5	0			82	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	N	8.45	8.50	5				2		0	208	141	62	no	no	clear	9.186	no	no	5	n	16	dry	8	dry				
T Walker	26/05/2011	Bed turning/restoration	NE	8.50	8.55	y	2	odour control	2	2	5	0	146	91	68	no	no	clear		no	no										
T Walker	26/05/2011	Bed turning/restoration	NE1	8.50	8.55								180	99				clear		no	no										
T Walker	26/05/2011	Bed turning/restoration	E	8.55	9.00	5				2		0	180	90	62	no	no	clear	9.644	no	no										
T Walker	26/05/2011	Bed turning/restoration	SE	9.00	9.05	y	3	odour control	1	3	1	0			60	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	S	9.05	9.10	5				3		0	158	70	70	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	SW	9.10	9.15	5				4		0			68	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	W	9.15	9.20	5				4		0	218	108	72	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	NW	9.20	9.25	5				2		0			76	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	N	16.30	16.35	5				2		0	200	101	56	no	no	clear	9.186	no	no	6	w	16	rain	7	wet				
T Walker	26/05/2011	Bed turning/restoration	NE	16.35	16.40	5				2		0	180	171	58	no	no	clear		no	no										
T Walker	26/05/2011	Bed turning/restoration	NE1	16.35	16.40								170	184				clear		no	no										
T Walker	26/05/2011	Bed turning/restoration	E	16.40	16.45	5				2		0	201	191	60	no	no	clear	9.644	no	no										
T Walker	26/05/2011	Bed turning/restoration	SE	16.45	16.50	5				3		0			62	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	S	16.50	16.55	5				3		0	201	204	64	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	SW	17.00	17.05	5				4		0			70	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	W	17.05	17.10	5				4		0	240	236	72	no	no			no	no										
T Walker	26/05/2011	Bed turning/restoration	NW	17.10	17.15	5				2		0			60	no	no			no	no										
T Walker	27/05/2011	Bed turning/restoration	N	10.30	10.35	y	2	odour control	-1	2	5	0	186	101	56	no	no	clear	9.186	no	no	1.3	nw	15.9	dry	8	dry				1 compliant from Church Road of very strong chemical odours 4/5. Investigated complaint non odours detected upon visiting location.
T Walker	27/05/2011	Bed turning/restoration	NE	10.35	10.40	y	4	odour control	-1	2	5	0	171	104	61	no	no	clear		no	no										
T Walker	27/05/2011	Bed turning/restoration	NE1	10.40	10.45								204	141				clear		no	no										
T Walker	27/05/2011	Bed turning/restoration	E	10.45	10.50	5				2		0	186	71	60	no	no	clear	9.644	no	no										
T Walker	27/05/2011	Bed turning/restoration	SE	10.50	10.55	5				3		0			67	no	no			no	no										
T Walker	27/05/2011	Bed turning/restoration	S	10.55	11.00	5				3		0	191	76	70	no	no			no	no										
T Walker	27/05/2011	Bed turning/restoration	SW	11.00	11.05	y	2	odour control	1	4	5	0			80	no	no			no	no										
T Walker	27/05/2011	Bed turning/restoration	W	11.05	11.10	5				4		0	246	121	80	no	no			no	no										
T Walker	27/05/2011	Bed turning/restoration	NW	11.10	11.15	y	3	traffic fumes	-1	2	1	0			79	no	no			no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	N	15.40	15.45	5				2		0	128	112	62	no	no	clear	9.206	no	no	2	nw	15	cloudy	6	damp	no odour at church			
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	NE	15.35	15.40	5				2		0	109	63	61	no	no	clear		no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	NE1	15.30	15.35								96	92				clear		no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	E	15.25	15.30	5				2		0	198	261	55	no	no	clear	9.641	no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	SE	15.20	15.25	5				3		0			69	no	no			no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	S	15.15	15.20	5				3		0	61	42	68	no	no			no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	SW	15.10	15.15	5				4		0			77	no	no			no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	W	15.05	15.10	5				4		0	207	19	74	no	no			no	no										
I Stephenson	27/05/2011	excavating in grids/bed turning/moving beds/sealing up for weekend	NW	15.00	15.05	5				2		0			78	no	no			no	no										

Appendix C

Long term Passive VOC Monitoring

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

LABORATORY ANALYSIS REPORT

REPORT NO.	**PE6MS0990**
CUSTOMER	**VERTASE FLI**
GRADKO LAB REF	**PE6F0720-0729**
BOOKING REF. NUMBER	**E 2541A**
DATE SAMPLES RECEIVED	**23.05.11**

SEMI- QUANTITATIVE ANALYSIS FOR TOP 10 COMPOUNDS ON UNICARB DIFFUSION TUBES BY GCMS
Analysis has been carried out in accordance with in-house method GLM 13

Tube Number	**GRA 04751**
Tube Location	**Church Rd**
Exposure Time (mins)	**40320**

TOP 10 Compounds	**ng on tube**	**ppb in air***	**µgm-3***
Tetrachloroethylene	4.42	0.05	0.36

1 Compound Detected

Tube Number	**GRA 04131**
Tube Location	**WWTW**
Exposure Time (mins)	**40320**

TOP 10 Compounds
No Compounds Detected

Tube Number	**GRA 08100**
Tube Location	**South**
Exposure Time (mins)	**40320**

TOP 10 Compounds	**ng on tube**	**ppb in air***	**µgm-3***
Tetrachloroethylene	3.62	0.04	0.29

1 Compound Detected

Tube Number	**GRA 08142**
Tube Location	**South West**
Exposure Time (mins)	**40320**

TOP 10 Compounds	**ng on tube**	**ppb in air***	**µgm-3***
Tetrachloroethylene	69.74	0.86	5.67
Acetone	4.29	0.05	0.12
Trichloromonofluoromethane	4.08	0.05	0.28

3 Compounds Detected

Calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our Quality System. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd.

REPORT OFFICIALLY CHECKED

Gradko International Ltd
This signature confirms the authenticity of these results
Signed.....
L. Gates, Laboratory Supervisor

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

LABORATORY ANALYSIS REPORT

Tube Number	**GRA 05167**
Tube Location	**West**
Exposure Time (mins)	**40320**

TOP 10 Compounds	ng on tube	ppb in air*	µgm-3*
Tetrachloroethylene	152.69	1.89	12.42
Butane	8.11	0.10	0.23
Acetone	5.18	0.06	0.15
Trichloromonofluoromethane	3.93	0.05	0.27
Trichloroethylene	2.57	0.03	0.17

5 Compounds Detected

Tube Number	**GRA 05356**
Tube Location	**North West**
Exposure Time (mins)	**40320**

TOP 10 Compounds	ng on tube	ppb in air*	µgm-3*
Tetrachloroethylene	136.35	1.69	11.09
Butane	10.26	0.13	0.30
Acetone	7.86	0.10	0.23
Trichloroethylene	4.92	0.06	0.32
Trichloromonofluoromethane	4.58	0.06	0.31
Butane, 2-methyl-	3.41	0.04	0.12

6 Compounds Detected

Tube Number	**GRA 03242**
Tube Location	**North**
Exposure Time (mins)	**40320**

TOP 10 Compounds	ng on tube	ppb in air*	µgm-3*
Tetrachloroethylene	27.54	0.34	2.24

1 Compound Detected

Tube Number	**GRA 08131**
Tube Location	**North East**
Exposure Time (mins)	**40320**

TOP 10 Compounds	ng on tube	ppb in air*	µgm-3*
Tetrachloroethylene	118.32	1.47	9.63
Trichloroethylene	9.65	0.12	0.62
Acetone	7.70	0.10	0.22
Butane	7.40	0.09	0.21

Calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our Quality System. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd.

REPORT OFFICIALLY CHECKED

Gradko International Ltd
This signature confirms the authenticity of these results
Signed.....
L. Gates, Laboratory Supervisor

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

LABORATORY ANALYSIS REPORT

Trichloromonofluoromethane	4.87	0.06	0.33

5 Compounds Detected

Tube Number	**GRA 06601**
Tube Location	**East**
Exposure Time (mins)	**40320**

TOP 10 Compounds	**ng on tube**	**ppb in air***	**µgm-3***
Tetrachloroethylene	77.84	0.97	6.33
Trichloroethylene	3.35	0.04	0.22

2 Compounds Detected

Tube Number	**GRA 06715**
Tube Location	**South East**
Exposure Time (mins)	**40320**

TOP 10 Compounds	**ng on tube**	**ppb in air***	**µgm-3***
Tetrachloroethylene	104.91	1.30	8.53
Trichloroethylene	2.40	0.03	0.15

2 Compounds Detected

		Date of Analysis	**02.06.11**
Analyst's Name	**G. Aikman**	**Date of Report**	**06.06.11**

Calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our Quality System. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd.

REPORT OFFICIALLY CHECKED

Gradko International Ltd
This signature confirms the authenticity of these results
Signed.....
L. Gates, Laboratory Supervisor

Appendix D

Directional Dust Monitoring

Chemtest
The right chemistry to deliver results

Sticky Pad Data

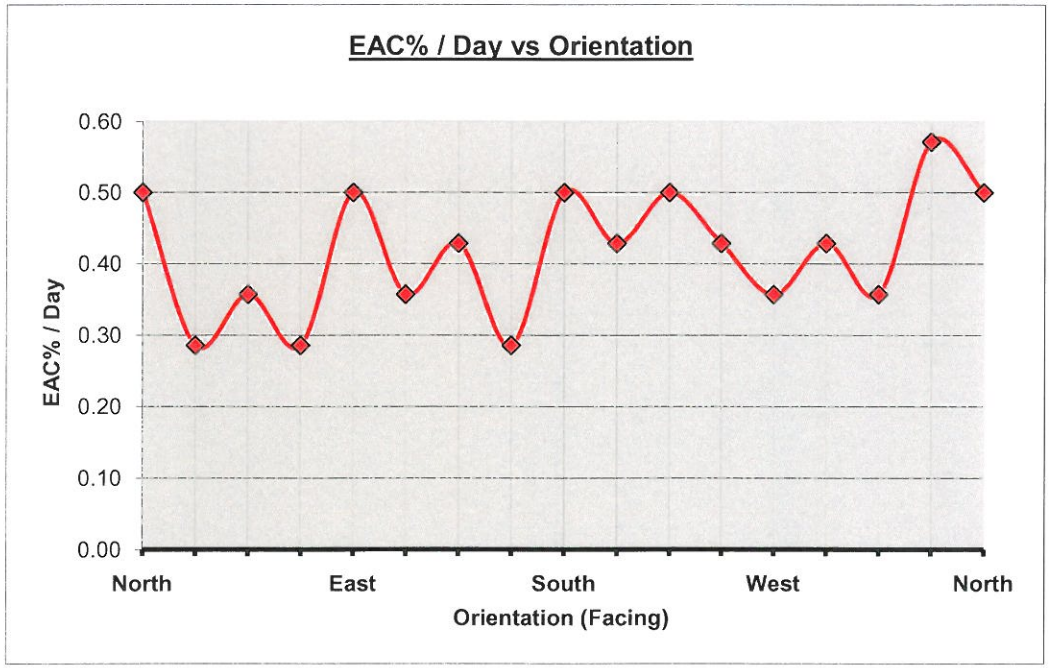
Gauge Number-North Location 907BRI

Sticky Pad Data

Date On 03/05/2011 Date Off 17/05/2011 Days = 14

Clean = 100

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



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

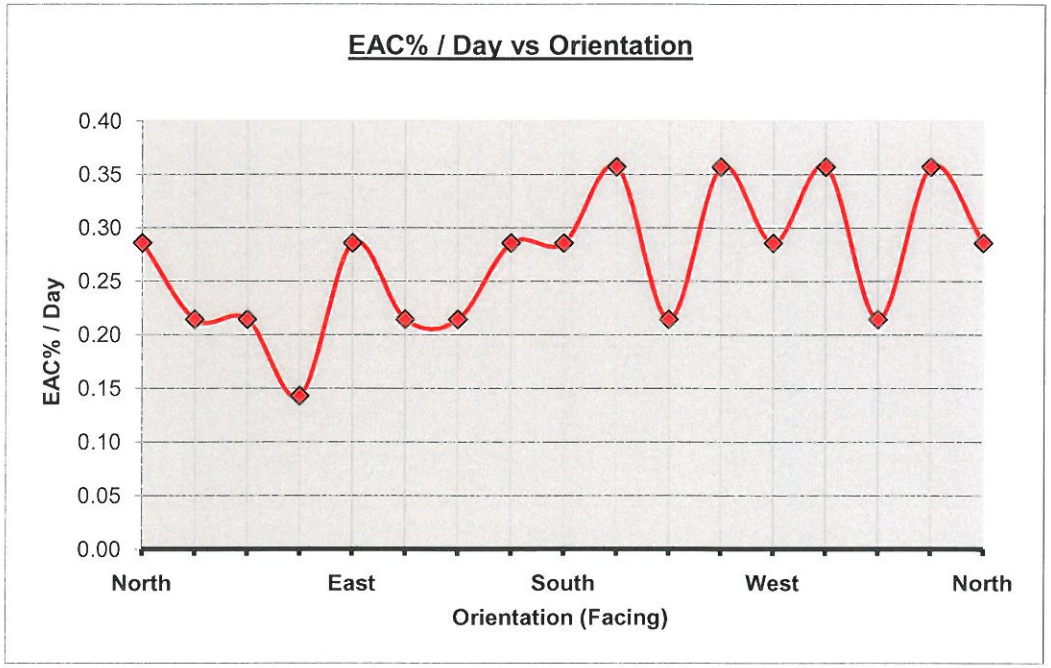
Sticky Pad Data

Gauge Number-East Location 907BRI

Sticky Pad Data

Date On 03/05/2011 Date Off 17/05/2011 Days = 14
Clean = 100

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

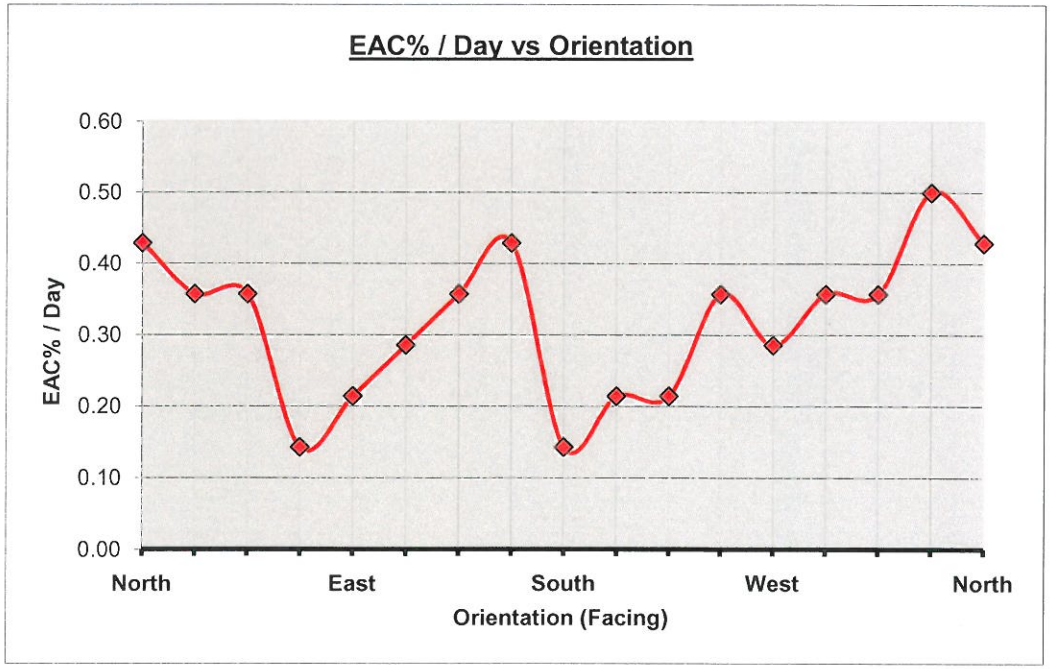
Gauge Number-West Location 907BRI

Sticky Pad Data

Date On 03/05/2011 Date Off 17/05/2011 Days = 14

Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	94	360	North	0.43
20	93	337		0.50
40	95	314		0.36
60	95	291		0.36
80	96	269	West	0.29
100	95	246		0.36
120	97	223		0.21
140	97	200		0.21
160	98	177	South	0.14
180	94	154		0.43
200	95	131		0.36
220	96	109		0.29
240	97	86	East	0.21
260	98	63		0.14
280	95	40		0.36
300	95	17		0.36
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

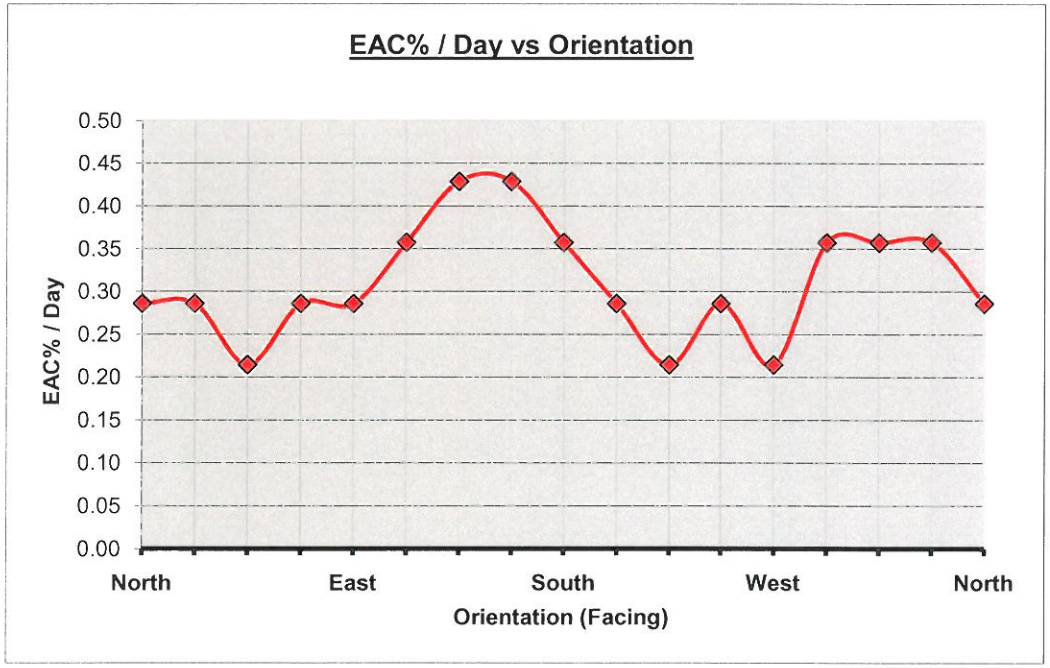
Sticky Pad Data

Gauge Number-NE1 Location 907BRI

Sticky Pad Data

Date On 03/05/2011 Date Off 17/05/2011 Days = 14
Clean = 100

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

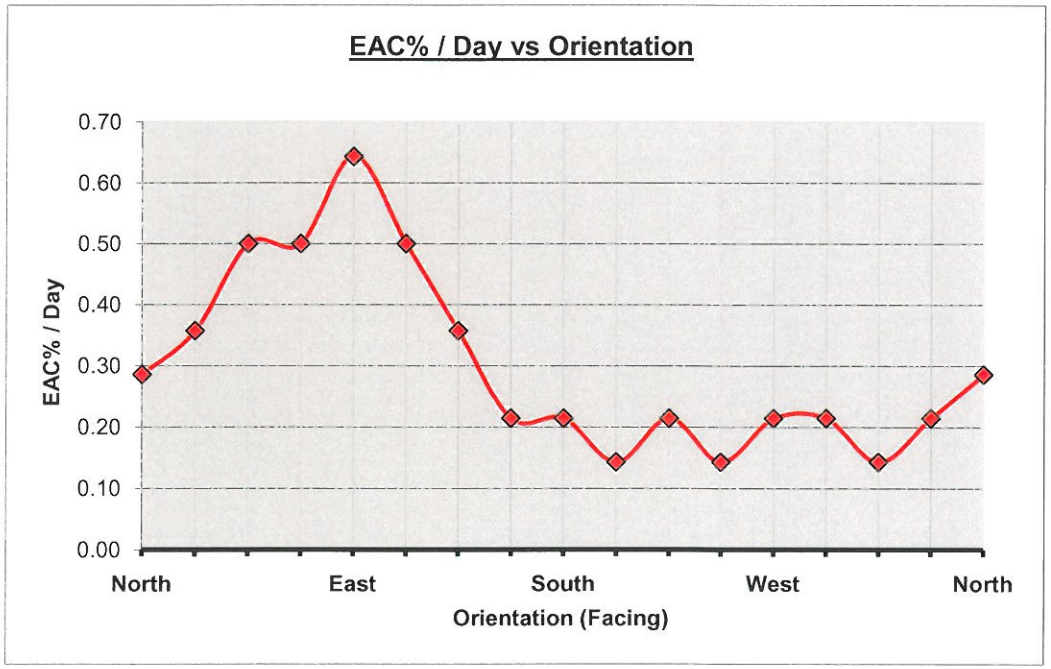
Sticky Pad Data

Gauge Number-NE2 Location 907BRI

Sticky Pad Data

Date On 03/05/2011 Date Off 17/05/2011 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	98	314		0.14
60	97	291		0.21
80	97	269	West	0.21
100	98	246		0.14
120	97	223		0.21
140	98	200		0.14
160	97	177	South	0.21
180	97	154		0.21
200	95	131		0.36
220	93	109		0.50
240	91	86	East	0.64
260	93	63		0.50
280	93	40		0.50
300	95	17		0.36
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

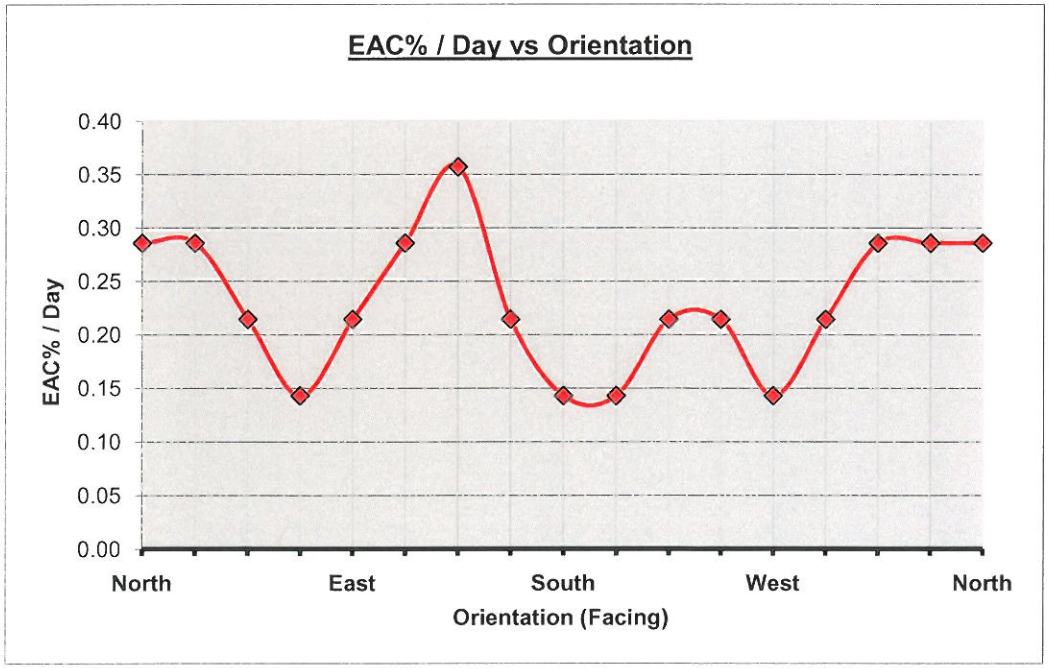
Sticky Pad Data

Gauge Number-South Location 907BRI

Sticky Pad Data

Date On 03/05/2011 Date Off 17/05/2011 Days = 14
Clean = 100

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

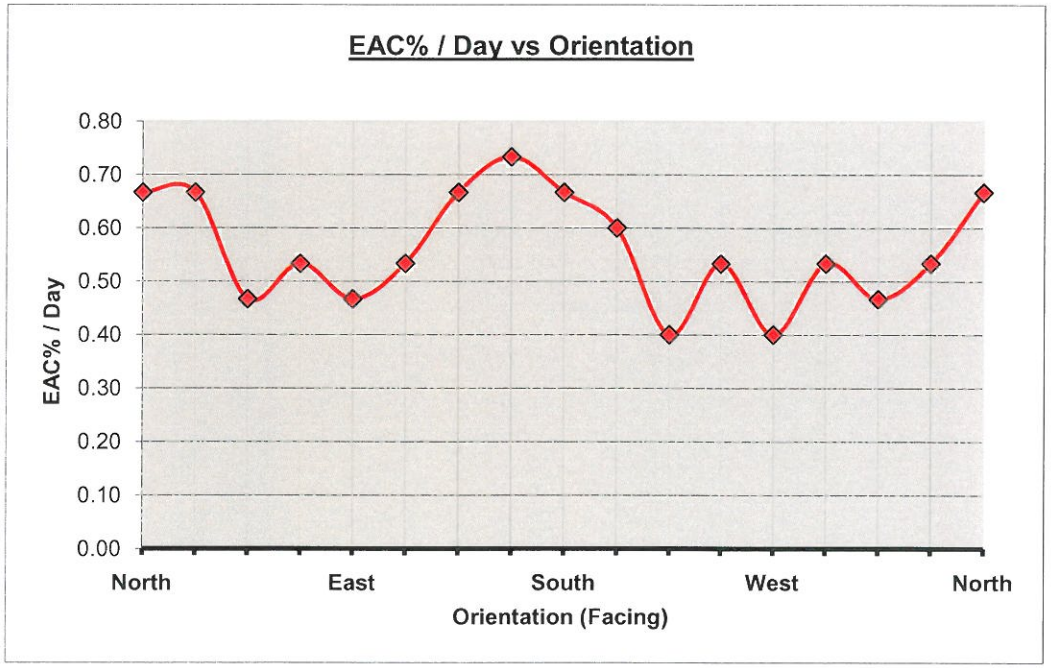
Sticky Pad Data

Gauge Number-East Location 907BRI

Sticky Pad Data

Date On 17/05/2011 Date Off 01/06/2011 Days = 15
Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	90	360	North	0.67
20	92	337		0.53
40	93	314		0.47
60	92	291		0.53
80	94	269	West	0.40
100	92	246		0.53
120	94	223		0.40
140	91	200		0.60
160	90	177	South	0.67
180	89	154		0.73
200	90	131		0.67
220	92	109		0.53
240	93	86	East	0.47
260	92	63		0.53
280	93	40		0.47
300	90	17		0.67
315	90	0	North	0.67



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

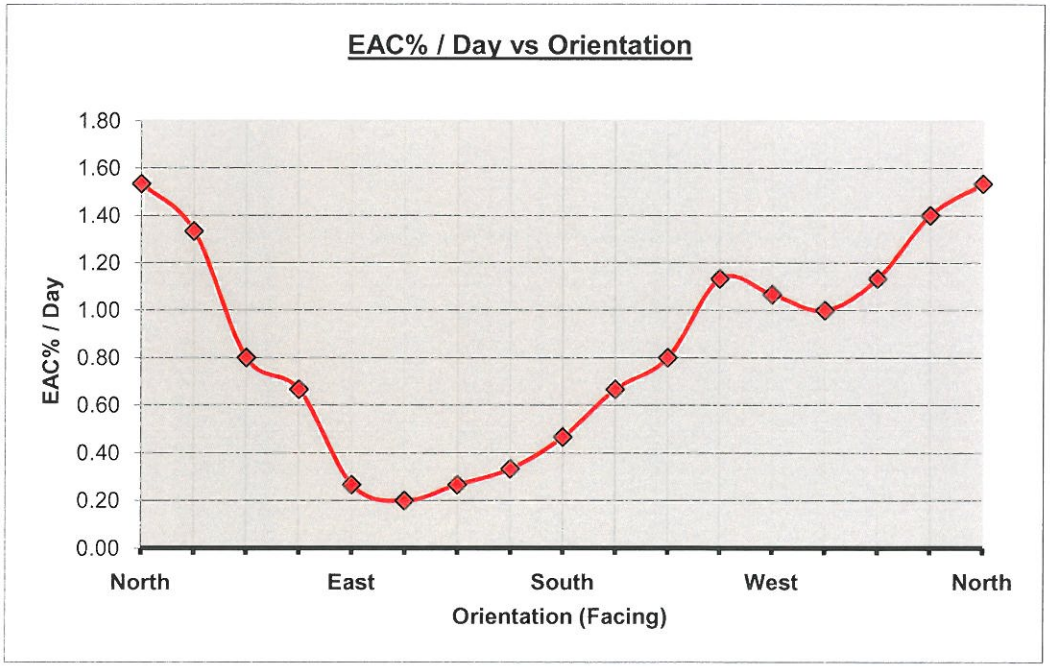
Sticky Pad Data

Gauge Number-West Location 907BRI

Sticky Pad Data

Date On 17/05/2011 Date Off 01/06/2011 Days = 15
Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	77	360	North	1.53
20	79	337		1.40
40	83	314		1.13
60	85	291		1.00
80	84	269	West	1.07
100	83	246		1.13
120	88	223		0.80
140	90	200		0.67
160	93	177	South	0.47
180	95	154		0.33
200	96	131		0.27
220	97	109		0.20
240	96	86	East	0.27
260	90	63		0.67
280	88	40		0.80
300	80	17		1.33
315	77	0	North	1.53



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

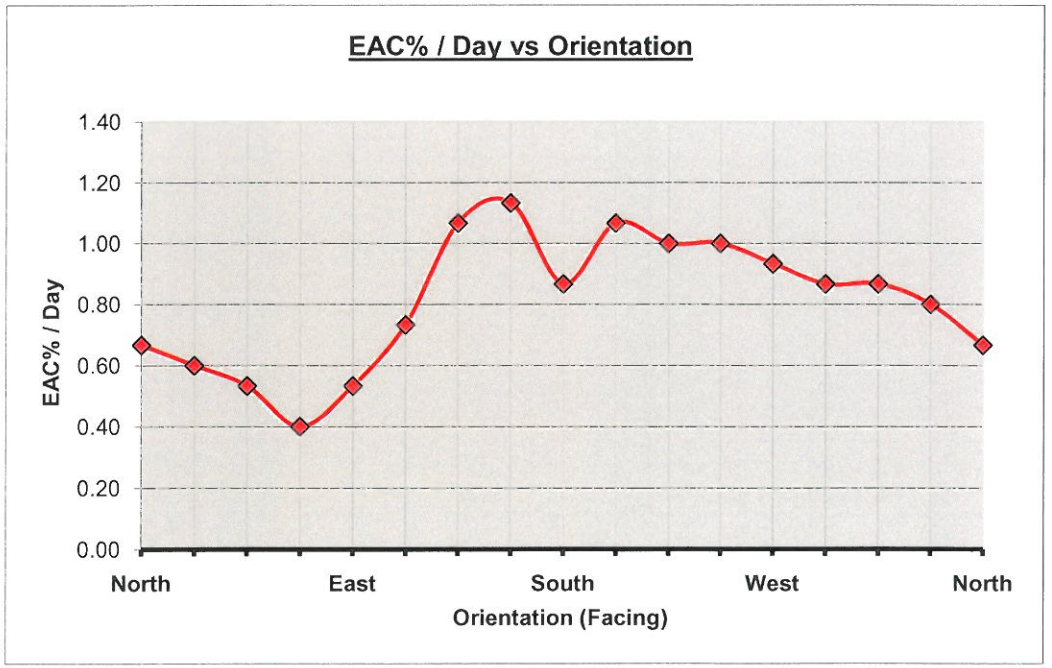
Sticky Pad Data

Gauge Number-NE1 Location 907BRI

Sticky Pad Data

Date On 17/05/2011 Date Off 01/06/2011 Days = 15
Clean = 100

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	90	360	North	0.67
20	88	337		0.80
40	87	314		0.87
60	87	291		0.87
80	86	269	West	0.93
100	85	246		1.00
120	85	223		1.00
140	84	200		1.07
160	87	177	South	0.87
180	83	154		1.13
200	84	131		1.07
220	89	109		0.73
240	92	86	East	0.53
260	94	63		0.40
280	92	40		0.53
300	91	17		0.60
315	90	0	North	0.67



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
03/05/2011	10.090	10.200	9.784	Covered	10.299	Lost	9.489	Covered	9.240	No Access	No Access	DRY	9.216	9.264	9.532	9.645	9.948	9.902	9.956	10.023	10.105
04/05/2011	10.100	10.269	9.754	Covered	10.299	Lost	9.545	Covered	9.230	No Access	No Access	DRY	9.199	9.264	9.530	9.644	9.948	9.912	9.956	10.007	10.106
05/05/2011	10.098	10.262	9.633	Covered	10.297	Lost	9.537	Covered	9.213	No Access	No Access	DRY	9.194	9.261	9.529	9.639	9.940	9.906	9.956	10.005	10.104
06/05/2011	10.099	10.266	9.823	Covered	10.299	Lost	9.536	Covered	9.194	No Access	No Access	DRY	9.193	9.260	9.530	9.639	9.944	9.902	No Access	10.006	10.104
09/05/2011	10.088	10.267	9.813	Covered	10.289	Lost	9.544	Covered	9.167	No Access	No Access	DRY	9.191	9.257	9.529	9.639	9.939	9.872	No Access	9.993	10.104
10/05/2011	10.083	10.262	9.800	Covered	10.283	Lost	9.549	Covered	9.160	No Access	No Access	DRY	9.190	9.255	9.528	9.638	9.938	9.833	No Access	9.951	10.110
11/05/2011	9.977	10.270	9.772	Covered	10.278	Lost	9.550	Covered	9.145	No Access	No Access	DRY	9.188	9.253	9.525	9.637	9.925	9.819	No Access	9.930	10.091
12/05/2011	9.960	10.267	9.771	Covered	10.268	Lost	9.550	Covered	9.141	No Access	No Access	DRY	9.188	9.253	9.527	9.637	9.932	9.816	No Access	9.925	10.087
13/05/2011	9.957	10.239	9.767	Covered	10.267	Lost	9.549	Covered	9.138	No Access	No Access	DRY	9.188	9.252	9.526	9.637	9.931	9.818	No Access	9.925	10.085
16/05/2011	9.951	10.247	10.764	Covered	10.447	Lost	9.622	Covered	9.130	No Access	No Access	DRY	9.193	9.243	9.520	9.639	9.930	9.792	9.829	9.880	9.983
17/05/2011	10.089	10.243	9.813	Covered	10.241	Lost	9.644	Covered	9.170	No Access	No Access	DRY	9.159	9.222	9.519	9.613	9.963	9.783	9.821	9.852	9.983
18/05/2011	10.083	10.241	9.807	Covered	10.240	Lost	9.654	Covered	9.180	No Access	No Access	DRY	9.165	9.203	9.518	9.598	9.962	9.851	No Access	9.871	9.958
19/05/2011	9.988	10.110	9.741	Covered	10.239	Lost	9.658	Covered	9.117	No Access	No Access	DRY	9.166	9.220	9.528	9.647	9.932	9.822	No Access	9.863	9.943
20/05/2011	9.990	10.060	9.712	Covered	10.228	Lost	9.665	Covered	9.100	No Access	No Access	DRY	9.195	9.256	9.524	9.647	9.935	9.767	No Access	9.860	9.942
23/05/2011	9.990	10.000	9.711	Covered	10.224	Lost	9.662	Covered	9.099	No Access	No Access	DRY	9.194	9.256	9.524	9.644	9.937	9.769	9.875	-1.347	9.914
24/05/2011	9.970	9.990	9.709	Covered	10.220	Lost	9.656	Covered	9.096	No Access	No Access	DRY	9.191	9.254	9.520	9.644	9.952	9.766	9.870	9.852	9.904

Appendix F
Surface Water Analysis Reports

Scientific Analysis Laboratories is a limited company registered in England and Wales (No 2514788) whose address is at Hadfield House, Hadfield Street, Manchester M16 9FE

Scientific Analysis Laboratories

Certificate of Analysis

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

Report Number: 239394-1

Date of Report: 14-Jun-2011

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

Customer Contact: The Project Management

Customer Job Reference: 907 BRI
Date Job Received at SAL: 03-Jun-2011
Date Analysis Started: 03-Jun-2011
Date Analysis Completed: 14-Jun-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: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Suite

				SAL Reference	**239394 001**	**239394 002**	**239394 003**	**239394 004**	**239394 005**	**239394 006**	**239394 007**	**239394 008**
				Customer Sample Reference	**BH11**	**BH9**	**S3/4**	**N3**	**WS107**	**P73**	**P107**	**BH4**
				Date Sampled	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Electrical Conductivity	T7	AR	10	µS/cm	**1400**	**2500**	**3500**	**2700**	**3800**	**2800**	**4700**	**1600**
pH	T7	AR			**6.0**	**6.9**	**6.9**	**7.0**	**6.6**	**7.0**	**7.1**	**7.0**

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Suite

				SAL Reference	**239394 009**	**239394 010**	**239394 011**	**239394 012**	**239394 013**	**239394 014**	**239394 015**	
				Customer Sample Reference	**VF12**	**S3/6**	**BH606**	**RIDDY UP**	**RIDDY DOWN**	**CAM UP**	**CAM DOWN**	
				Date Sampled	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Electrical Conductivity	T7	AR	10	µS/cm	**1100**	**2900**	**950**	**880**	**870**	**1900**	**870**	
pH	T7	AR			**7.1**	**7.0**	**7.1**	**7.6**	**8.0**	**7.7**	**8.0**	

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton OP/ON Suite

				SAL Reference	**239394 001**	**239394 002**	**239394 003**	**239394 004**	**239394 005**	**239394 006**	**239394 007**	**239394 008**
				Customer Sample Reference	**BH11**	**BH9**	**S3/4**	**N3**	**WS107**	**P73**	**P107**	**BH4**
				Date Sampled	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Dimefox	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	(9) <1.0
Ethofumesate	T16	AR	0.1	µg/l	<0.1	**17**	**3.1**	**12**	**0.2**	**1.2**	**9.7**	**230**
Hempa	T16	AR	0.1	µg/l	<0.1	**2.6**	**520**	<0.1	**6.9**	<0.1	<0.1	(9) <1.0
Schradan	T16	AR	0.1	µg/l	**20**	<0.1	**1200**	<0.1	**9.3**	(2) <0.5	<0.1	**140**
Simazine	T16	AR	0.01	µg/l	**0.37**	<0.01	**88**	**0.19**	<0.01	**1.4**	**9.5**	**0.09**

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton OP/ON Suite

				SAL Reference	**239394 009**	**239394 010**	**239394 011**	**239394 012**	**239394 013**	**239394 014**	**239394 015**	
				Customer Sample Reference	**VF12**	**S3/6**	**BH606**	**RIDDY UP**	**RIDDY DOWN**	**CAM UP**	**CAM DOWN**	
				Date Sampled	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	**31-MAY-2011**	
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Dimefox	T16	AR	0.1	µg/l	(9) <1.0	(9) <1.0	<0.1	<0.1	<0.1	<0.1	<0.1	
Ethofumesate	T16	AR	0.1	µg/l	**290**	**270**	**3.7**	**0.4**	**0.3**	**0.3**	**0.4**	
Hempa	T16	AR	0.1	µg/l	(9) <1.0	(9) <1.0	<0.1	<0.1	<0.1	<0.1	<0.1	
Schradan	T16	AR	0.1	µg/l	**27**	**8800**	**2.9**	<0.1	<0.1	<0.1	**3.4**	
Simazine	T16	AR	0.01	µg/l	**3.2**	(2) <2.0	<0.01	<0.01	<0.01	<0.01	<0.01	

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Phenoxy Acid Herbs Suite

	SAL Reference	239394 001	239394 002	239394 003	239394 004	239394 005	239394 006	239394 007	239394 008
	Customer Sample Reference	BH11	BH9	S3/4	N3	WS107	P73	P107	BH4
	Date Sampled	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011
Determinand	Method / Test Sample / LOD / Units								
Dicamba	T16 / AR / 0.1 / µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorprop	T16 / AR / 0.1 / µg/l	<0.1	<0.1	**1.6**	<0.1	**0.5**	<0.1	<0.1	**1.1**
Phenoxy Acetic acid herbicide: MCPA	T16 / AR / 0.1 / µg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**5.2**
Mecoprop	T16 / AR / 0.1 / µg/l	**7.2**	**32**	**29**	**31**	**33**	**34**	**28**	**28**

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Phenoxy Acid Herbs Suite

	SAL Reference	239394 009	239394 010	239394 011	239394 012	239394 013	239394 014	239394 015
	Customer Sample Reference	VF12	S3/6	BH606	RIDDY UP	RIDDY DOWN	CAM UP	CAM DOWN
	Date Sampled	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011
Determinand	Method / Test Sample / LOD / Units							
Dicamba	T16 / AR / 0.1 / µg/l	<0.1	**0.4**	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorprop	T16 / AR / 0.1 / µg/l	<0.1	**18**	**6.9**	**1.5**	**0.2**	<0.1	<0.1
Phenoxy Acetic acid herbicide: MCPA	T16 / AR / 0.1 / µg/l	**0.4**	**47**	**27**	**7.4**	**2.9**	**1.4**	**0.1**
Mecoprop	T16 / AR / 0.1 / µg/l	**14**	**31**	**13**	**7.6**	**3.6**	**2.8**	**3.4**

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton SVOC Suite

	SAL Reference	239394 001	239394 002	239394 003	239394 004	239394 005	239394 006	239394 007	239394 008
	Customer Sample Reference	BH11	BH9	S3/4	N3	WS107	P73	P107	BH4
	Date Sampled	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011
Determinand	Method / Test Sample / LOD / Units								
2,4,6-Trichlorophenol	T16 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	**30**	<10
2-Methyl-4,6-dinitrophenol	T16 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-2-methylphenol	T16 / AR / 10 / µg/l	<10	<10	**20**	<10	<10	**710**	**1500**	<10
Bis (2-chloroethyl) ether	T16 / AR / 10 / µg/l	**20**	**510**	**1900**	**610**	**2700**	**1800**	**4700**	**150**
Phenol	T16 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	<10	<10

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton SVOC Suite

	SAL Reference	239394 009	239394 010	239394 011	239394 012	239394 013	239394 014	239394 015
	Customer Sample Reference	VF12	S3/6	BH606	RIDDY UP	RIDDY DOWN	CAM UP	CAM DOWN
	Date Sampled	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011
Determinand	Method / Test Sample / LOD / Units							
2,4,6-Trichlorophenol	T16 / AR / 10 / µg/l	<10	**1400**	<10	<10	<10	<10	<10
2-Methyl-4,6-dinitrophenol	T16 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	<10
4-Chloro-2-methylphenol	T16 / AR / 10 / µg/l	<10	**1300**	<10	<10	<10	<10	<10
Bis (2-chloroethyl) ether	T16 / AR / 10 / µg/l	**25**	**5400**	**20**	<10	<10	<10	<10
Phenol	T16 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	<10

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton VOC Suite

	SAL Reference	239394 001	239394 002	239394 003	239394 004	239394 005	239394 006	239394 007	239394 008
	Customer Sample Reference	BH11	BH9	S3/4	N3	WS107	P73	P107	BH4
	Date Sampled	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011
Determinand	**Method** / **Test Sample** / **LOD** / **Units**								
1,2-Dichlorobenzene	T54 / AR / 1 / µg/l	<1	<1	<1	<1	<1	<1	<1	**2**
1,2-Dichloroethane	T54 / AR / 1 / µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,2-Dichloroethylene	T54 / AR / 1 / µg/l	**3**	**1**	<1	**1**	**34**	**47**	**390**	(175) **1300**
Cyclohexanone	T54 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	T54 / AR / 1 / µg/l	<1	<1	<1	<1	**2**	**1**	**1**	**4**
Toluene	T54 / AR / 1 / µg/l	<1	<1	**6**	<1	<1	<1	**49**	**6**
Trichloroethene	T54 / AR / 1 / µg/l	<1	<1	<1	<1	**1**	**2**	<1	**34**
Vinyl chloride	T54 / AR / 1 / µg/l	<1	<1	<1	<1	**28**	**31**	**430**	**370**
Xylene (Total)	T54 / AR / 1 / µg/l	<1	<1	**34**	<1	<1	<1	**79**	**72**

SAL Reference: 239394
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton VOC Suite

	SAL Reference	239394 009	239394 010	239394 011	239394 012	239394 013	239394 014	239394 015
	Customer Sample Reference	VF12	S3/6	BH606	RIDDY UP	RIDDY DOWN	CAM UP	CAM DOWN
	Date Sampled	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011	31-MAY-2011
Determinand	**Method** / **Test Sample** / **LOD** / **Units**							
1,2-Dichlorobenzene	T54 / AR / 1 / µg/l	**1**	(19) **640**	<1	<1	<1	<1	<1
1,2-Dichloroethane	T54 / AR / 1 / µg/l	<1	(9,19) <100	<1	<1	<1	<1	<1
Cis-1,2-Dichloroethylene	T54 / AR / 1 / µg/l	**10**	(19) **5700**	**2**	<1	**1**	<1	<1
Cyclohexanone	T54 / AR / 10 / µg/l	<10	(19,9) <1000	<10	<10	<10	<10	<10
Tetrachloroethene	T54 / AR / 1 / µg/l	**670**	(19) **49000**	**50**	**4**	**2**	**3**	**1**
Toluene	T54 / AR / 1 / µg/l	**6**	(19) **12000**	**8**	<1	<1	<1	<1
Trichloroethene	T54 / AR / 1 / µg/l	**62**	(19) **27000**	**19**	<1	<1	<1	<1
Vinyl chloride	T54 / AR / 1 / µg/l	**2**	(19) **410**	<1	<1	<1	<1	<1
Xylene (Total)	T54 / AR / 1 / µg/l	<1	(19) **3600**	**3**	<1	<1	<1	<1

Index to symbols used in 239394-1

Value	Description
AR	As Received
2	LOD Raised Due to Matrix Interference
9	LOD raised due to dilution of sample
175	Results should be viewed with caution due to being outside of the instrument calibration range
19	Due to high levels the analysis was conducted on a diluted sample
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T16	GC/MS
T7	Probe
T54	GC/MS (Headspace)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	µS/cm	N	001-015
pH	T7	AR			U	001-015
Dimefox	T16	AR	0.1	µg/l	N	001-015
Ethofumesate	T16	AR	0.1	µg/l	N	001-015
Hempa	T16	AR	0.1	µg/l	N	001-015

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Schradan	T16	AR	0.1	µg/l	N	001-015
Simazine	T16	AR	0.01	µg/l	N	001-015
Dicamba	T16	AR	0.1	µg/l	N	001-015
Dichlorprop	T16	AR	0.1	µg/l	N	001-015
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	N	001-015
Mecoprop	T16	AR	0.1	µg/l	N	001-015
2,4,6-Trichlorophenol	T16	AR	10	µg/l	U	001-015
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	N	001-015
4-Chloro-2-methylphenol	T16	AR	10	µg/l	N	001-015
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	U	001-015
Phenol	T16	AR	10	µg/l	U	001-015
1,2-Dichlorobenzene	T54	AR	1	µg/l	U	001-015
1,2-Dichloroethane	T54	AR	1	µg/l	U	001-015
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	U	001-015
Cyclohexanone	T54	AR	10	µg/l	N	001-015
Tetrachloroethene	T54	AR	1	µg/l	U	001-015
Toluene	T54	AR	1	µg/l	U	001-015
Trichloroethene	T54	AR	1	µg/l	U	001-015
Vinyl chloride	T54	AR	1	µg/l	U	001-015
Xylene (Total)	T54	AR	1	µg/l	U	001-015

Appendix G
Groundwater Contour Plots

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)
- VF12 — New VFLI Monitoring Wells

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

9.637 Water Level (Actual)
9.527 Water Level (Actual)
9.253 Water Level (Actual)
9.188 Water Level (Actual)
W1 W2 W3
VF12
S2/6
S3/4
BHB1
BH4
BH6/06
BH11
P107
P73
WS17c
BH9
VN3
GARAGES

Rev.	Description	Revised By	Date
	FIRST ISSUE		26-05-11

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www.vertasefli.com

Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 12-05-11

Client: Harrow Estates

Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_172	Contract: 907 BRI	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)
- VF12 — New VFLI Monitoring Wells

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

9.639 Water Level (Actual)
9.529 Water Level (Actual)
9.261 Water Level (Actual)
9.194 Water Level (Actual)
W1 W2 W3
VF12
S3/4
S2/6
BHB1
BH4
BH6/06
BH11
P107
P73
WS17
BH9
VN3
GARAGES

Rev.	Description	Revised By	Date
	FIRST ISSUE		25-05-11

Vertase F.L.I.

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Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 05-05-11

Client: Harrow Estates

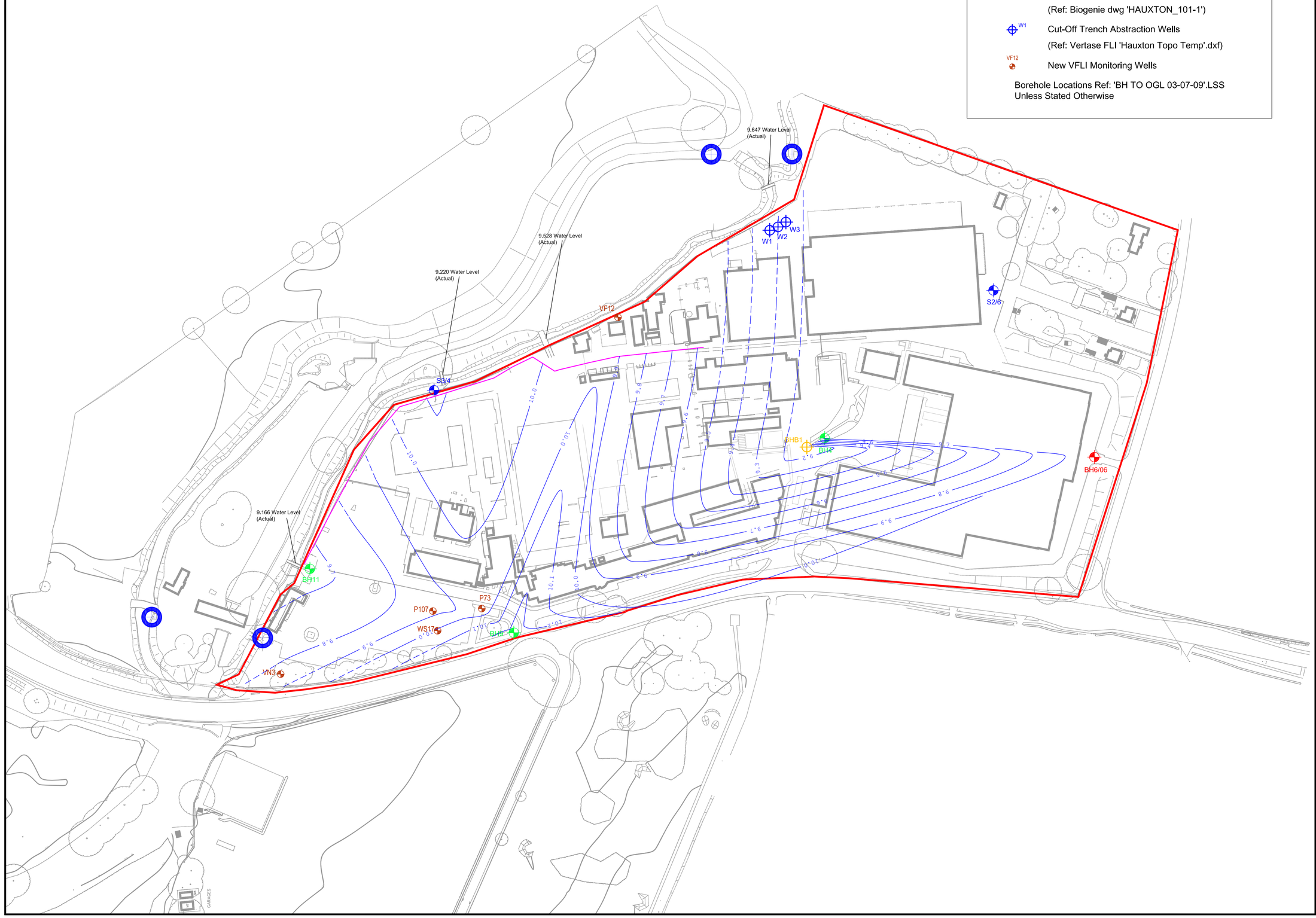
Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_171	Contract: 907 BRI	Scale: 1:1000

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)
- VF12 — New VFLI Monitoring Wells

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



Rev.	Description	Revised By	Date
	FIRST ISSUE		26-05-11

Vertase F.L.I.

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Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 19-05-11

Client: Harrow Estates

Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_173	Contract: 907 BRI	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)
- VF12 — New VFLI Monitoring Wells

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

9.644 Water Level (Actual)
9.520 Water Level (Actual)
9.254 Water Level (Actual)
9.191 Water Level (Actual)
W1
W2
W3
VF12
S2/6
S3/4
BHB1
BH4
BH6/06
BH11
P73
P107
WS17
BH9
VN3
GARAGES

Rev.	Description	Revised By	Date
	FIRST ISSUE		10-06-11

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Site Address:
Bayer Site
Hauxton
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Rev:

Title: Ground Water Contours 24-05-11

Client: Harrow Estates

Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_174	Contract: 907 BRI	Scale: 1:1000

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*
01/03/2010	17/03/2010	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
30/03/2010	09/04/2010	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
08/04/2010	13/04/2010	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
10/04/2010	19/04/2010	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
12/04/2010	21/04/2010	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
28/04/2010	19/05/2010	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
07/05/2010	17/05/2010	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
18/05/2010	01/06/2010	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
28/05/2010	17/06/2010	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
15/06/2010	28/06/2010	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
01/07/2010	19/07/2010	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
05/08/2010	16/08/2010	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
19/08/2010	26/08/2010	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
01/09/2010	09/09/2010	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
16/09/2010	29/09/2010	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
24/09/2010	04/10/2010	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
08/10/2010	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	01/11/2010	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
09/12/2010	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	13/01/2011	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
13/01/2011	25/01/2011	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
15/02/2011	23/02/2011	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
23/02/2011	09/03/2011	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
02/03/2011	15/03/2011	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
07/03/2011	18/03/2011	230442	WWTW Discharge	NT	NT	NT	NT	NT	NT	8.1	NT	NT	<0.01	NT	NT	NT	0.20	0.6	0.3
23/03/2011	01/04/2011	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
05/04/2011	13/04/2011	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
20/04/2011	03/05/2011	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
04/05/2011	16/05/2011	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
12/05/2011	26/05/2011	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
18/05/2011	31/05/2011	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

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Scientific Analysis Laboratories

Certificate of Analysis

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Report Number: 237211-2

Date of Report: 26-May-2011

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

Customer Contact: The Project Management

Customer Job Reference: 907 BRI
Customer Purchase Order: 907 BRI
Date Job Received at SAL: 13-May-2011
Date Analysis Started: 13-May-2011
Date Analysis Completed: 26-May-2011

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

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: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Suite

				SAL Reference	**237211 001**	**237211 002**	**237211 003**
				Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
				Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Electrical Conductivity	T7	AR	10	µS/cm	**1200**	**1200**	**1300**
pH	T7	AR			**8.4**	**8.1**	**8.1**

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton OP/ON Suite

				SAL Reference	**237211 001**	**237211 002**	**237211 003**
				Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
				Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dimefox	T16	AR	0.1	µg/l	**0.2**	<0.1	**0.1**
Ethofumesate	T16	AR	0.1	µg/l	**0.3**	<0.1	<0.1
Hempa	T16	AR	0.1	µg/l	**7.4**	**0.5**	**6.6**
Schradan	T16	AR	0.1	µg/l	**13**	(162) <1.0	**16**
Simazine	T16	AR	0.01	µg/l	**0.94**	<0.01	<0.01

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Phenoxy Acid Herbs Suite

				SAL Reference	**237211 001**	**237211 002**	**237211 003**
				Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
				Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dicamba	T16	AR	0.1	µg/l	**0.8**	<0.1	**0.7**
Dichlorprop	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1
Mecoprop	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton SVOC Suite

				SAL Reference	**237211 001**	**237211 002**	**237211 003**
				Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
				Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
2,4,6-Trichlorophenol	T16	AR	10	µg/l	<10	<10	<10
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	µg/l	<10	<10	<10
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	<10	<10	<10
Phenol	T16	AR	10	µg/l	<10	<10	<10

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton VOC Suite

SAL Reference	**237211 001**	**237211 002**	**237211 003**
Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**

Determinand	Method	Test Sample	LOD	Units			
1,2-Dichlorobenzene	T54	AR	1	µg/l	<1	<1	<1
1,2-Dichloroethane	T54	AR	1	µg/l	<1	<1	<1
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	<1	<1	<1
Cyclohexanone	T54	AR	10	µg/l	<10	<10	<10
Tetrachloroethene	T54	AR	1	µg/l	<1	<1	<1
Toluene	T54	AR	1	µg/l	<1	<1	<1
Trichloroethene	T54	AR	1	µg/l	<1	<1	<1
Vinyl chloride	T54	AR	1	µg/l	<1	<1	<1
Xylene (Total)	T54	AR	1	µg/l	<1	<1	<1

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Miscellaneous

SAL Reference	**237211 001**	**237211 002**	**237211 003**
Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**

Determinand	Method	Test Sample	LOD	Units			
Ammoniacal nitrogen	T4	AR	50	µg/l	<50	**180**	**420**
Biochemical Oxygen Demand	T7	AR	3000	µg/l	<3000	<3000	<3000
pH	T7	AR			**8.4**	**8.1**	**8.1**

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Suite A

SAL Reference	**237211 001**	**237211 002**	**237211 003**
Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**

Determinand	Method	Test Sample	LOD	Units			
Atrazine	T16	AR	0.01	µg/l	**0.67**	**0.03**	(2) <0.05
Trietazine	T16	AR	0.01	µg/l	**25**	**0.09**	**0.06**

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Suite B

SAL Reference	**237211 001**	**237211 002**	**237211 003**
Customer Sample Reference	**INLET**	**DISCHARGE**	**PRIMARY**
Date Sampled	**12-MAY-2011**	**12-MAY-2011**	**12-MAY-2011**

Determinand	Method	Test Sample	LOD	Units			
Benazolin	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1
2,3,6-TCB	T16	AR	0.1	µg/l	**58**	**0.3**	**9.1**

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Suite C

	SAL Reference	237211 001	237211 002	237211 003
	Customer Sample Reference	INLET	DISCHARGE	PRIMARY
	Date Sampled	12-MAY-2011	12-MAY-2011	12-MAY-2011
Determinand	**Method** / **Test Sample** / **LOD** / **Units**			
Bromide	T253 / AR / 100 / µg/l	(9) <1000	(9) <1000	(9) <1000
Chloride	T253 / AR / 200 / µg/l	**190000**	**160000**	**150000**
Sulphate ion	T253 / AR / 100 / µg/l	**190000**	**190000**	**190000**
Suspended Solids (Total)	T2 / AR / 10000 / µg/l	<10000	**15000**	<10000

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Suite D

	SAL Reference	237211 001	237211 002	237211 003
	Customer Sample Reference	INLET	DISCHARGE	PRIMARY
	Date Sampled	12-MAY-2011	12-MAY-2011	12-MAY-2011
Determinand	**Method** / **Test Sample** / **LOD** / **Units**			
Dicamba	T16 / AR / 0.1 / µg/l	**0.8**	<0.1	**0.7**
Hempa	T16 / AR / 0.1 / µg/l	**7.4**	**0.5**	**6.6**
Schradan	T16 / AR / 0.1 / µg/l	**13**	(162) <1.0	**16**
Simazine	T16 / AR / 0.01 / µg/l	**0.94**	<0.01	<0.01

SAL Reference: 237211
Customer Reference: 907 BRI

Water Analysed as Water
Suite E

	SAL Reference	237211 001	237211 002	237211 003
	Customer Sample Reference	INLET	DISCHARGE	PRIMARY
	Date Sampled	12-MAY-2011	12-MAY-2011	12-MAY-2011
Determinand	**Method** / **Test Sample** / **LOD** / **Units**			
TVC at 22 C	T34 / AR / 10 / cfu/ml	**1600**	**900**	**4000**
TVC at 37 C	T34 / AR / 10 / cfu/ml	**560**	**640**	**1800**

Index to symbols used in 237211-2

Value	Description
AR	As Received
2	LOD Raised Due to Matrix Interference
162	LOD determined by matrix spike recovery
9	LOD raised due to dilution of sample
W	Analysis was performed at another SAL laboratory
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T34	Micro
T7	Probe
T2	Grav
T4	Colorimetry
T54	GC/MS (Headspace)
T253	IC(EID299)
T16	GC/MS

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	µS/cm	N	001-003
Dimefox	T16	AR	0.1	µg/l	N	001-003
Ethofumesate	T16	AR	0.1	µg/l	N	001-003
Hempa	T16	AR	0.1	µg/l	N	001
Simazine	T16	AR	0.01	µg/l	N	001
Dicamba	T16	AR	0.1	µg/l	N	001
Dichlorprop	T16	AR	0.1	µg/l	N	001-003
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	N	001-003
Mecoprop	T16	AR	0.1	µg/l	N	001-003
2,4,6-Trichlorophenol	T16	AR	10	µg/l	U	001-003
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	N	001-003
4-Chloro-2-methylphenol	T16	AR	10	µg/l	N	001-003
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	U	001-003
Phenol	T16	AR	10	µg/l	U	001-003
1,2-Dichlorobenzene	T54	AR	1	µg/l	U	001-003
1,2-Dichloroethane	T54	AR	1	µg/l	U	001-003
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	U	001-003
Cyclohexanone	T54	AR	10	µg/l	N	001-003
Tetrachloroethene	T54	AR	1	µg/l	U	001-003
Toluene	T54	AR	1	µg/l	U	001-003
Trichloroethene	T54	AR	1	µg/l	U	001-003
Vinyl chloride	T54	AR	1	µg/l	U	001-003
Xylene (Total)	T54	AR	1	µg/l	U	001-003
Ammoniacal nitrogen	T4	AR	50	µg/l	U	001-003
Biochemical Oxygen Demand	T7	AR	3000	µg/l	N	001-003
pH	T7	AR			U	001
Atrazine	T16	AR	0.01	µg/l	N	001-003
Trietazine	T16	AR	0.01	µg/l	N	001-003
Benazolin	T16	AR	0.1	µg/l	N	001-003
2,3,6-TCB	T16	AR	0.1	µg/l	N	001-003
Bromide	T253	AR	100	µg/l	WU	001-003
Chloride	T253	AR	200	µg/l	WU	001-003
Sulphate ion	T253	AR	100	µg/l	WU	001-003
Suspended Solids (Total)	T2	AR	10000	µg/l	N	001-003
Schradan	T16	AR	0.1	µg/l	N	001
TVC at 22 C	T34	AR	10	cfu/ml	SN	001-003
TVC at 37 C	T34	AR	10	cfu/ml	SN	001-003

Scientific Analysis Laboratories is a limited company registered in England and Wales (No 2514788) whose address is at Hadfield House, Hadfield Street, Manchester M16 9FE

Scientific Analysis Laboratories

Certificate of Analysis

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Report Number: 237962-1

Date of Report: 31-May-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: 20-May-2011
Date Analysis Started: 20-May-2011
Date Analysis Completed: 31-May-2011

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

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: 237962
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Miscellaneous

					SAL Reference	237962 001	237962 002	237962 003
					Customer Sample Reference	Discharge	Primary Carbon	Influent
					Date Sampled	18-MAY-2011	18-MAY-2011	18-MAY-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Ammoniacal nitrogen	T4	AR	50	µg/l	<50	<50	**2500**
Biochemical Oxygen Demand	T7	AR	3000	µg/l	<3000	<3000	**4800**
pH	T7	AR			**7.9**	**8.3**	**8.2**

SAL Reference: 237962
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite A

					SAL Reference	237962 001	237962 002	237962 003
					Customer Sample Reference	Discharge	Primary Carbon	Influent
					Date Sampled	18-MAY-2011	18-MAY-2011	18-MAY-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Atrazine	T16	AR	0.01	µg/l	<0.01	(2) <0.20	**3.0**
Trietazine	T16	AR	0.01	µg/l	<0.01	**0.13**	**13**

SAL Reference: 237962
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite B

					SAL Reference	237962 001	237962 002	237962 003
					Customer Sample Reference	Discharge	Primary Carbon	Influent
					Date Sampled	18-MAY-2011	18-MAY-2011	18-MAY-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Benazolin	T16	AR	0.1	µg/l	<0.1	<0.1	**23**
2,3,6-TCB	T16	AR	0.1	µg/l	**0.2**	**17**	**61**

SAL Reference: 237962
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite C

					SAL Reference	237962 001	237962 002	237962 003
					Customer Sample Reference	Discharge	Primary Carbon	Influent
					Date Sampled	18-MAY-2011	18-MAY-2011	18-MAY-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Bromide	T253	AR	100	µg/l	(9) <1000	(9) <1000	(9) <1000
Chloride	T253	AR	200	µg/l	**130000**	**130000**	**130000**
Sulphate ion	T253	AR	100	µg/l	**170000**	**170000**	**170000**
Suspended Solids (Total)	T2	AR	10000	µg/l	<10000	<10000	**35000**

SAL Reference: 237962
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite D

				SAL Reference	**237962 001**	**237962 002**	**237962 003**
				Customer Sample Reference	**Discharge**	**Primary Carbon**	**Influent**
				Date Sampled	**18-MAY-2011**	**18-MAY-2011**	**18-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dicamba	T16	AR	0.1	µg/l	**0.1**	**2.7**	**1.3**
Hempa	T16	AR	0.1	µg/l	**0.4**	**4.7**	**0.2**
Schradan	T16	AR	0.1	µg/l	**0.1**	**6.6**	**4.3**
Simazine	T16	AR	0.01	µg/l	<0.01	(2) <0.05	**7.0**

SAL Reference: 237962
Customer Reference: 907 BRI WWTW

Water Analysed as Water
Suite E

				SAL Reference	**237962 001**	**237962 002**	**237962 003**
				Customer Sample Reference	**Discharge**	**Primary Carbon**	**Influent**
				Date Sampled	**18-MAY-2011**	**18-MAY-2011**	**18-MAY-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
TVC at 22 C	T34	AR	10	cfu/ml	**4800**	**1200**	**5600**
TVC at 37 C	T34	AR	10	cfu/ml	**600**	**360**	**4000**

Index to symbols used in 237962-1

Value	Description
AR	As Received
2	LOD Raised Due to Matrix Interference
9	LOD raised due to dilution of sample
W	Analysis was performed at another SAL laboratory
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

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

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Ammoniacal nitrogen	T4	AR	50	µg/l	U	001-003
Biochemical Oxygen Demand	T7	AR	3000	µg/l	N	001-003
pH	T7	AR			U	001-003
Atrazine	T16	AR	0.01	µg/l	N	001-003
Trietazine	T16	AR	0.01	µg/l	N	001-003
Benazolin	T16	AR	0.1	µg/l	N	001-003
2,3,6-TCB	T16	AR	0.1	µg/l	N	001-003
Bromide	T253	AR	100	µg/l	WU	001-003
Chloride	T253	AR	200	µg/l	WU	001-003
Sulphate ion	T253	AR	100	µg/l	WU	001-003
Suspended Solids (Total)	T2	AR	10000	µg/l	N	001-003
Dicamba	T16	AR	0.1	µg/l	N	001-003
Hempa	T16	AR	0.1	µg/l	N	001-003
Schradan	T16	AR	0.1	µg/l	N	001-003

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Simazine	T16	AR	0.01	µg/l	N	001-003
TVC at 22 C	T34	AR	10	cfu/ml	SN	001-003
TVC at 37 C	T34	AR	10	cfu/ml	SN	001-003

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.
07.05.2010	24.05.2010 (09.06.2010)	L8	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
			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_{16-18}	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 investigation, not a priority contaminant
			1,2,4-Trimethylbenzene	10000000	
			1,2,3-Trimethylbenzene	3100000	
22.10.2010	25.10.2010	G12	Nicotine	6400	Natural insecticide

(216017)	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	