Environmental Monitoring Report

Reporting Period
30/08/2010-03/10/2010
Revision1.

Former Bayer Crop Science Site
Hauxton
Cambridgeshire

14th October 2010

Author:

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

On behalf of:

Harrow Estates Plc

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

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

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

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 30th of August 2010, until the 3rd of October 2010.

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 25. Week Commencing 30th August 2010

During the first half of the week the wind direction was towards the villages of Hauxton and Harston, no new excavation of contaminated ground was undertaken until the weather conditions were more favourable to prevent odours migrating to wards neighbouring residents. Crushing of the broken concrete stockpile commenced and was constantly monitored for dust generation, and stockpiles were wetted down when required. The treatment of materials using covered forced ventilation and vapour extraction methods continues. Excavation of grid squares H14 and H15 commenced on 2nd September with treatment beds being created adjacent to the excavation area, recently excavated materials were covered as quickly as possible to prevent odour generation and migration.

Week 26. Week Commencing 6th September 2010

The main excavation continued through grid square H14 and H15, excavated soils were formed into treatment beds and covered to prevent odour migration. Turning and processing of the treatment beds continued with treatment beds being selected for processing depending on their odour generation potential and predominant wind direction. Crushing of the broken concrete stockpile continued and was constantly monitored for dust generation, and stockpiles were wetted down when required. Excavation of contaminated soils was halted on 9th of September until the following week as the predominant wind direction was towards the Village of Hauxton.

Week 27. Week Commencing 13th September 2010

Excavation activity was not undertaken this week, due to the predominant wind direction being towards the residential areas to the south east and south of the site, works mainly consisted of breaking out concrete slab, crushing broken concrete and turning odourless treatment beds. Trial pitting was undertaken in grid squares H13 and H12 to ascertain the types and concentrations of contaminants in the next phase of excavation.

Week 28. Week Commencing 20th September 2010

Excavation recommenced in grid square H10, H11 and H12, crushing of broken concrete continued on site with the appropriate mitigation measures being applied to prevent dust

generation. Breaking out of concrete slab proceeded through parts of grid squares G and H, 11 to 13, this material was added to the stockpile of broken concrete being crushed and screened on site.

Week 29. Week Commencing 27th September 2010

The breaking out of concrete slab continued through parts of grid squares G and H, 11 to13. Due to the predominant wind direction being towards residential areas to the south east of the site, excavation of contaminated ground was not undertaken until the 30th of September in grid square H11 through to H14, when the predominant wind direction was to the North. The crushing of the broken concrete stockpile was complete on the 1st October. The turning and processing of treatment beds was halted on the 29th September due to a heavy rain event.

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. Initially two mobile telescopic misting fans were used on site and a full boundary misting system was also erected to supplement the mobile units, along with the addition of two further mobile units to focus specifically on the excavation. The odour controlling solutions used in the misting and telescopic fan systems vary in fragrance from lemon, to melon, to pine, to bubblegum.

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 variety of 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. During the reported period VOC's, were detected by the PID (Limit of detection of 0.1ppm) on the following occasion:

- 10/09/2010 (09:51) At the northeast monitoring location a maximum intermittent PID reading of 0.6ppm was recorded, the odour was described as a weak concrete and phenol odour. The crushing and turning activities were monitored closely to ensure the odours and PID readings did not intensify or migrate further.
- 21/09/2010 (17:26) Around the northeast monitoring location a maximum intermittent PID reading of 4.0ppm was recorded, the odour was described as a faint phenol, TCE and PCE odour. A mobile fogger unit was used to suppress the odours being generated by the tuning of treatment bed 103, this process was constantly monitored to ensure odour generation did not increase.

All PID reading above 1ppm recorded beyond the site boundary are reported to the Environment Agency immediately, along with details of the additional mitigation methods being implemented to reduce the migration of VOC's from the site.

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. During the monitoring period a sampling error occurred on the northeast monitoring media causing a data loss for this location.

The results for the long term passive VOC monitoring carried out between 03/09/2010 and 01/09/2010 are presented in appendix C. The analysis indicates that the majority of the VOC's detected are around the baseline, except for Tetrachlroethylene and Toluene which continue to be slightly raised above the baseline values but are well below the levels considered to be within acceptable limits for published criteria.

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

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

3.2. Dust Fibre and Particulate Emission

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

Real time airborne dust monitoring is undertaken as a minimum twice daily by an Environmental Engineer using a 'Dustmate' dust particle monitor around the site boundary as part of the environmental monitoring schedule, results are recorded in the environmental monitoring spreadsheet (Appendix B). The 'Dustmate' dust particle monitor will not function correctly in wet weather conditions, therefore on occasion data may be 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 149.83 µg/m^3, the average PM10 dust reading around the site is 80.96 µg/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 20/08/2010 to 03/09/2010 (6 locations monitored) recorded a maximum dust deposition rate was 1.57 %EAC at the northwest 1 monitoring location. All other locations had a maximum dust deposition rate of 1.50 %EAC, or less.

Dust monitoring undertaken from the 03/09/2010 to 17/08/2010 (6 locations monitored) recorded a maximum dust deposition rate of 1.50% EAC at the northeast 2 monitoring location. All other locations had a maximum dust deposition rate of 1.43%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 66.60dB. Exceedance's of the 80dB threshold (stipulated in the Environmental Permit deployment document) have been recorded during the monitoring period, however traffic along the A10 has been identified as the source of the slightly elevated noise levels. Data is recorded in the environmental monitoring data spreadsheet, Appendix B.

3.5. Litter

All litter occurrences are removed from within the site, and off site around the boundary fence, and disposed of appropriately. Litter is generally low off site, and is well managed on site, by all site personnel. All recordings of the presence of litter are noted in the Environmental Monitoring Data spreadsheet in Appendix B.

4.0 Surface and Ground Water Condition

4.1. Surface Water Monitoring

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

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

4.2. Surface Water Sampling and Analysis

Upstream and downstream water samples from both the River Cam (Granta) and the Riddy Brook are taken on a monthly basis. The results for samples taken on 23rd September 2010 are presented in Appendix F.

The surface water analysis (23rd September 2010) shows traces of Tetrachloroethylene (<2 µg/l) in both upstream and downstream Riddy Brook and River Cam samples. Traces of Cis1,2-Dichloroethylene (<3 µg/l) and Trichloroethylene (<3 µg/l) were detected in the downstream samples of the Riddy Brook. These trace levels of have been recorded in the baseline data collected prior to the commencement of the remediation project and are not related .to a specific 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_31E, 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_104, D907_105, D907_106, D907_107 and D907_108 (Appendix G) illustrate the weekly groundwater levels for the reported period.

The five contour plots constructed (Appendix G) illustrate that there have been very few subtle changes in groundwater levels during the monitoring period.

There has been no recharge of groundwater in the central and northern part of the site where the main excavations have taken place, the base of excavations on site are approximately at 10.00mAOD and remain free of groundwater. 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 23rd of September 2010 are presented in Appendix F.

The contaminant concentrations present in the samples taken on the 23rd of September are very similar to the baseline data collected during the summer of 2008, illustrating that there has been very little change to the groundwater's condition since 2008.

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 03/10/2010, forty eight 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. Twenty eight characterisation samples analysed contained a total of seventeen compounds / potential contaminants that had not been previously identified.

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

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

Appendix A

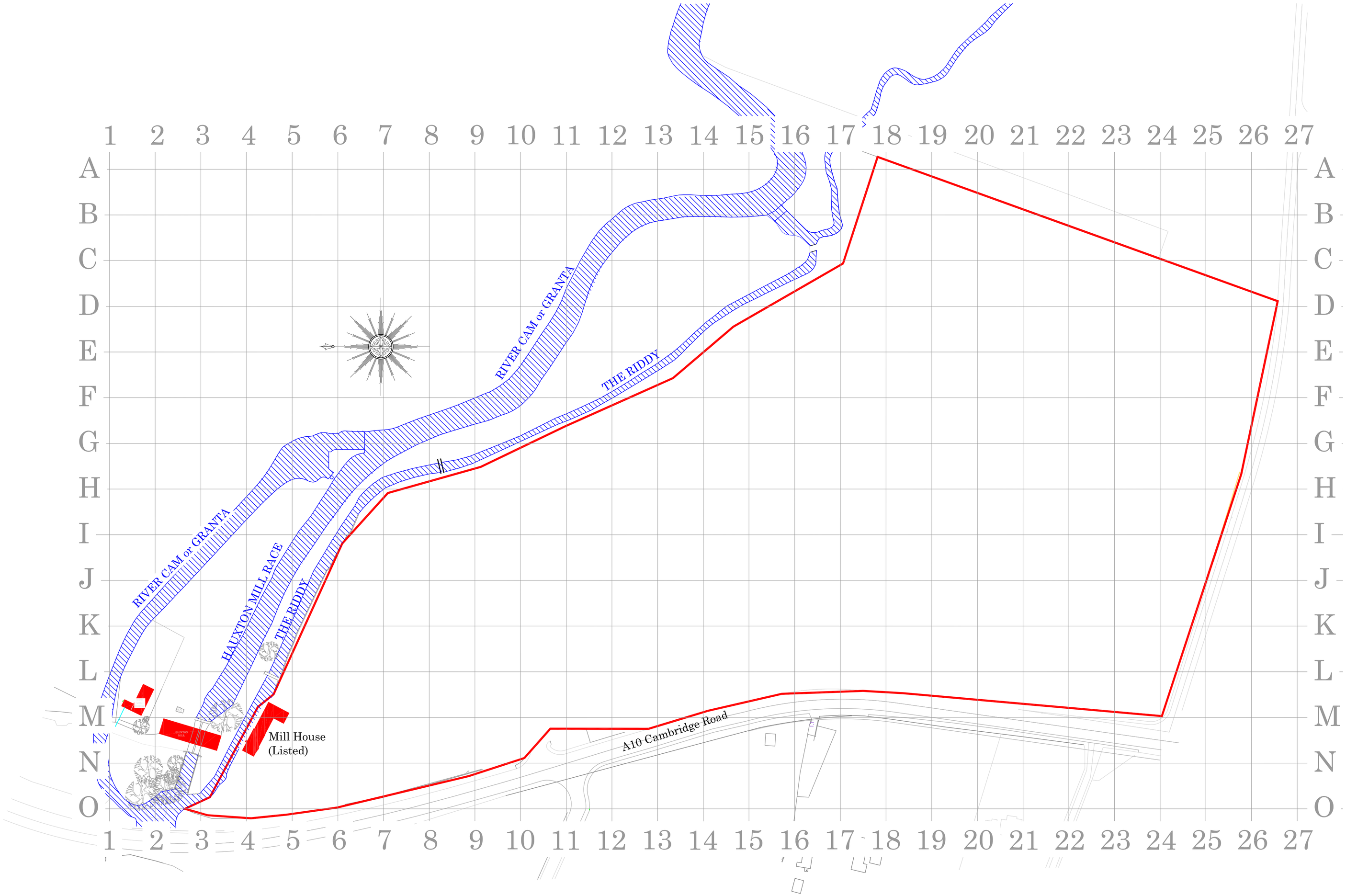
Drawings

A1

Legend

- Buildings to Remain
- Water Course
- Site Boundary

Drawing Base : Ref
LW/HAUX-002/2006



Rev.	Description	Revised By	Date
	FIRST ISSUE		21 April 2008

Vertase F.L.I.

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

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

Site Address:

Bayer Site
Hauxton
Cambridge

Rev:

Title: Blank Site Plan with Grid

Client: Harrow Estates

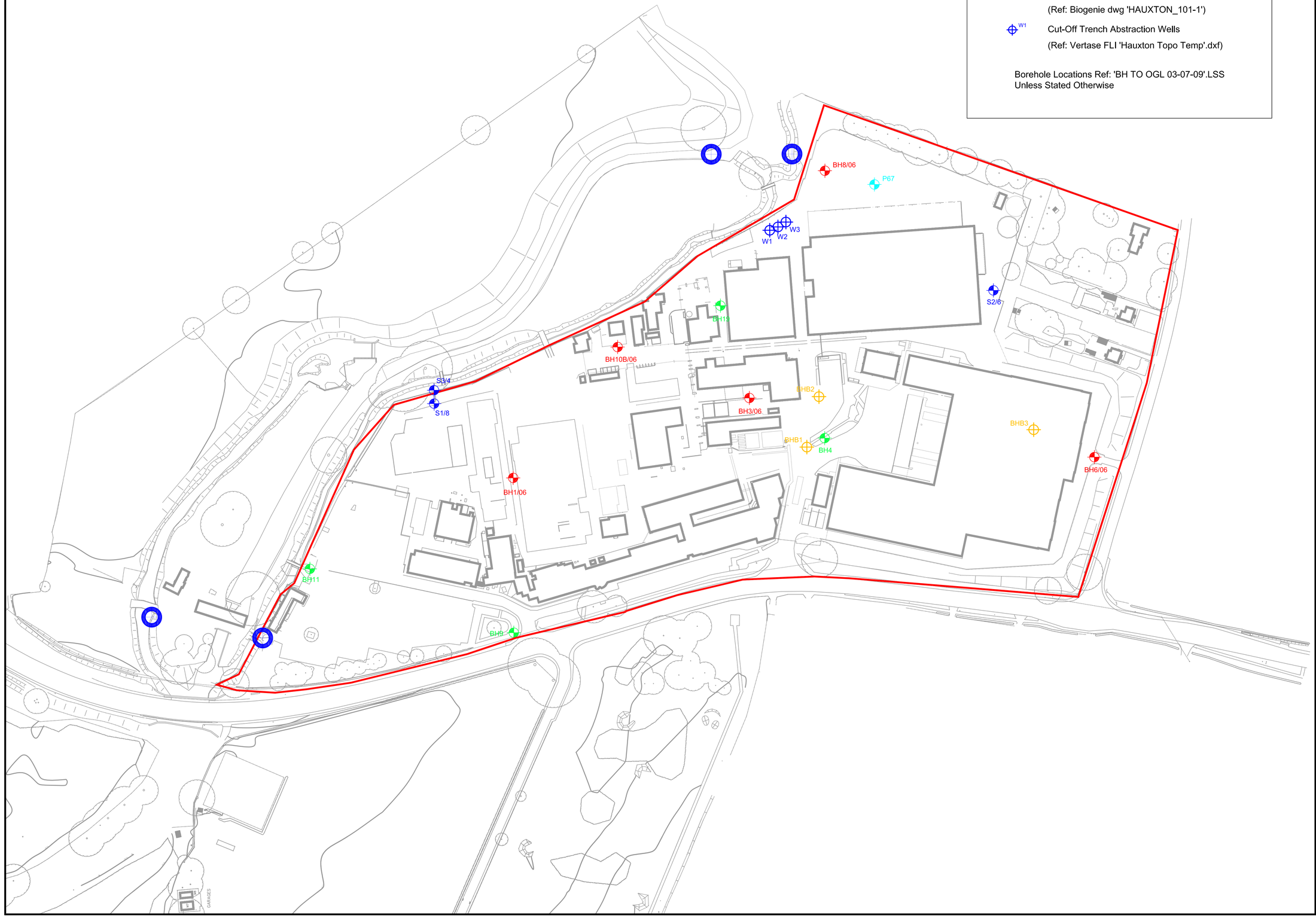
Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_07	Contract: 907BRI	Scale: 1:1000

A1

Legend

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

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



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

Vertase F.L.I.

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

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

Site Address:
Bayer Site
Hauxton
Cambridge

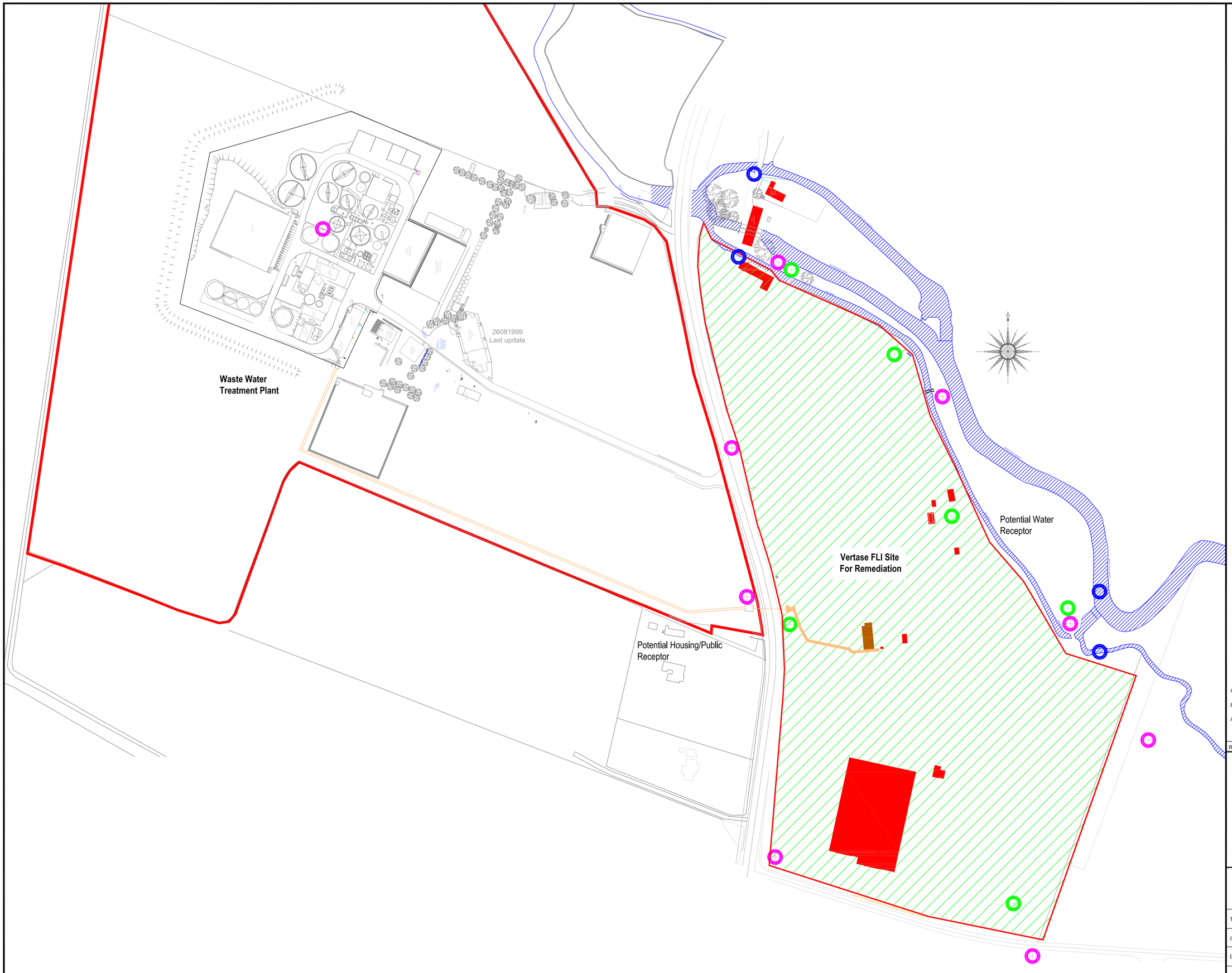
Rev: E

Title: Retained Boreholes for Monitoring & Reference

Client: Harrow Estates

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

A1



Legend

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

Drawing Base : Ref
LW/HAUX-002/2006

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

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

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

Site Address:
Bayer Site
Hauxton
Cambridge

Rev: C

Title: Environmental Monitoring Plan

Client: Harrow Estates

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

Appendix B

Environmental Monitoring Data

						ODOUR					DUST		NOISE	LITTER		RIDDY BROOK			METEOROLOGICAL AND ENVIRONMENTAL CONDITIONS						
Assessor	Date	Daily Activity	Boundary	Start Time	Finish Time	Detectability (Yes or No)	Intensity (1 to 9)	Quality (Description)	Hedonic Tone (-3 to+3)	Location Sensitivity (1 to 5)	Odour Source (1 to 5)	PID (ppm)	TSP	PM10	Average (dBa)	Present (Description)	Materials attracting Scavengers	Inspection	Water Level (mAOD)	Complaints	Action Required	Wind Speed (1 to 6)	Wind Direction	Air Temp (C)	Description (Rain, Sun)	Cloud Cover (0 to 8)	Ground Conditions (Wet, dry)	General Notes
M Allsobrook	31/08/2010	turning beds, breaking out concrete	N	11.33	11.37	y	1	wet vegetation	0	3			21.3	14.8	65.4	no	no	clear	9.209			0	N	22	sun	0	wet	
M Allsobrook	31/08/2010	turning beds, breaking out concrete	NE	11.26	11.31	y	1	slight wet veg	0	2		1	0	58.7	41.3	71.4	no	no	clear									
M Allsobrook	31/08/2010	turning beds, breaking out concrete	NE1	11.21	11.24									270.5	26				clear									
M Allsobrook	31/08/2010	turning beds, breaking out concrete	E	11.15	11.20	y	2	damp vegetation	1	2	1	0	26.9	48.1	62.8	no	no	clear	9.649									
M Allsobrook	31/08/2010	turning beds, breaking out concrete	SE	11.07	11.12	y	3	vegetation/mild creosote	1	3	2	0			63.8	no	no											
M Allsobrook	31/08/2010	turning beds, breaking out concrete	S	11.00	11.05	y	2	slight vegetation	0	4	1	0	61.9	24.7	72.5	no	no											
M Allsobrook	31/08/2010	turning beds, breaking out concrete	SW	10.52	10.57	y	4	traffic fumes	-1	3	1	0			83.4	no	no											
M Allsobrook	31/08/2010	turning beds, breaking out concrete	W	10.45	10.50	y	5	traffic fumes	-2	4	1	0	146.2	82.4	85.7	no	no											
M Allsobrook	31/08/2010	turning beds, breaking out concrete	NW	11.39	11.44	y	5	traffic fumes	-2	3	1	0			81.7	no	no											
I Stephenson	31/08/2010	breaking out and turning beds	N	17.35	17.40	n				2		0	162.2	38.7	68.3	no	no	clear	9.209	no	no	0	NE	18	sunny	1	dry	no odour at parish church on church road, Hauxton
I Stephenson	31/08/2010	breaking out and turning beds	NE	17.30	17.35	n				2		0	53.2	18.5	61.2	no	no	clear		no	no							
I Stephenson	31/08/2010	breaking out and turning beds	NE1	17.25	17.30								53.4	17.8				clear		no	no							
I Stephenson	31/08/2010	breaking out and turning beds	E	17.20	17.25	n				2		0	104.2	93.2	54.2	no	no	clear	9.649	no	no							
I Stephenson	31/08/2010	breaking out and turning beds	SE	17.15	17.20	n				2		0			58.9	no	no			no	no							
I Stephenson	31/08/2010	breaking out and turning beds	S	17.10	17.15	n				2		0	305.4	74.2	50.1	no	no			no	no							
I Stephenson	31/08/2010	breaking out and turning beds	SW	17.05	17.10	y	4	chlorinated volatiles - bed 59 being turned	1	4	5	0			64.2	no	no			no	no							
I Stephenson	31/08/2010	breaking out and turning beds	W	17.00	17.05	y	3	creosote odour Car fumes	0	4	2	0	75.3	14.1	69.4	no	no			no	no							
I Stephenson	31/08/2010	breaking out and turning beds	NW	17.40	17.45	y	4	chlorinated volatiles bed 59 being turned	1	2	5	0			71.3	no	no			no	no							
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	N	10.42	10.47	y	2	conc/TCE	0	2	5	0	66.9	30.3	56	no	no	clear	9.199			0.5	S	26	sun	4	dry	slight odour present along E footpath at various places <2/9 0.0ppm Conc/TCE/odour control
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	NE	10.36	10.41	n				2			59.7	42.4	56	no	no	clear										
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	NE1	10.30	10.35								124.7	59.4				clear										
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	E	10.24	10.29	y	2	vegetation	0	2	1	0	22.5	13.3	61	no	no	clear	9.649									
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	SE	10.18	10.23	y	2	vegetation	0	2	1	0			49	no	no											
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	S	10.17	10.17	y	1	vegetation	0	2	1	0	290.3	158.4	62	no	no											
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	SW	10.06	10.11	y	3	vegetation	0	4	1	0			79	no	no											
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	W	10.00	10.05	y	3	vegetation	0	4	1	0	136	53.7	79	no	no											
D Holman	01/09/2010	crushing concrete, turning beds 61 and 62, moving bed 87 in warehouse	NW	10.48	10.53	y	2	vegetation	0	2	1	0			81	no	no											
D Holman	01/09/2010	turning treatment beds, crushing concrete	N	17.32	17.37	y	1	vegetation	0	2	1	0	36.4	19.8	66	no	no	clear	9.199			0.5	ENE	29	sun	4	dry	
D Holman	01/09/2010	turning treatment beds, crushing concrete	NE	17.26	17.31	y	2	vegetation	0	2	1	0	79.9	55.6	58	no	no	clear										
D Holman	01/09/2010	turning treatment beds, crushing concrete	NE1	17.20	17.25								45.2	33.6				clear										
D Holman	01/09/2010	turning treatment beds, crushing concrete	E	17.14	17.19	y	1	vegetation	0	2	1	0	82.4	33.1	58	no	no	clear	9.649									
D Holman	01/09/2010	turning treatment beds, crushing concrete	SE	17.08	17.13	y	1	vegetation	0	2	1	0			56	no	no											
D Holman	01/09/2010	turning treatment beds, crushing concrete	S	17.02	17.07	y	2	wood preserver	0	2	1	0	48.1	40.9	64	no	no											
D Holman	01/09/2010	turning treatment beds, crushing concrete	SW	16.56	17.01	y	3	earthy soil and exhaust fumes	0	4	5	0			76	no	no											
D Holman	01/09/2010	turning treatment beds, crushing concrete	W	16.50	16.55	y	1	manure-compost and concrete dust	-1	4	5	0	246.1	130.2	78	no	no											
D Holman	01/09/2010	turning treatment beds, crushing concrete	NW	17.38	17.43	y	2	odour control and vegetation	0	2	3	0			80	no	no											
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	N	10.01	10.06	y	1	vegetation	0	2	1	0	120.9	74.2	67.2	no	no	clear	9.199			0.3	NE	21	sun dry	3	dry	
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	NE	9.34	9.39	y	1	vegetation	1	2	1	0	252.9	101.1	66.8	no	no	clear										
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	NE1	9.28	9.32								256.7	75.2				clear										
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	E	9.21	9.26	y	3	damp ground and vegetation	-1	3		0	260.3	121.2	68.7	no	no	clear	9.649									
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	SE	9.15	9.20	y	1	vegetation	0	3	1	0			61.2	no	no											
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	S	8.56	9.03	y	1	vegetation	1	4	1	0	141.1	34.2	74.2	no	no			2	no action required							
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	SW	8.51	8.56	y	2	sweet phenol & traffic	0	3	3	0			77.8	no	no											
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	W	8.45	8.50	y	3	traffic fumes	-1	4	1	0	463.7	119.3	79.9	no	no											
M Allsobrook	02/09/2010	turning treatment beds, crushing concrete	NW	10.08	10.13	y	8	traffic fumes	-3	2	1	0			83.1	no	no											
D Holman	02/09/2010	turning treatment beds, crushing concrete	N	18.02	18.07	y	2	vegetation	0	2	1	0	43.6	19.1	63	no	no	clear	9.199			0.5	NNW	25	sun	2	dry	
D Holman	02/09/2010	turning treatment beds, crushing concrete	NE	17.56	18.01	y	1	vegetation	0	2	1	0	163.4	124.3	62	no	no	clear										
D Holman	02/09/2010	turning treatment beds, crushing concrete	NE1	17.50	17.55								203.9	196.3				clear										
D Holman	02/09/2010	turning treatment beds, crushing concrete	E	17.44	17.49	y	1	exhaust fumes and concrete dust	0	2	5	0	35.8	34.8	59	no	no	clear	9.649									
D Holman	02/09/2010	turning treatment beds, crushing concrete	SE	17.38	17.43	y	2	exhaust and phenol	0	2	5	0			58	no	no											
D Holman	02/09/2010	turning treatment beds, crushing concrete	S	17.32	17.37	y	1	vegetation	0	2	1	0	46.9		64	no	no											
D Holman	02/09/2010	turning treatment beds, crushing concrete	SW	17.26	17.31	y	2	vegetation	0	4	1	0			72	no	no											
D Holman	02/09/2010	turning treatment beds, crushing concrete	W	17.20	17.25	y	1	vegetation	0	4	1	0	19.8	14.2	79	no	no											
D Holman	02/09/2010	turning treatment beds, crushing concrete	NW	18.08	18.13	y	2	exhaust fumes	0	2	1	0			81	no	no											
D Holman	03/09/2010	turning treatment beds, crushing concrete	N	10.42	10.47	y	2	vegetation	0	2	1	0	116.8	67.1	56	no	no	clear	9.209			0.5	NE	22	sun	4	dry	
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	NE	10.36	10.41	y	1	vegetation	0	2	1	0	96.3	11.1	62	no	no	clear										
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	NE1	10.30	10.35								45.5	39.7				clear										
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	E	10.24	10.29	y	1	vegetation	0	2	1	0	19	9.8	61	no	no	clear	9.649									
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	SE	10.18	10.23	y	2	vegetation	0	2	1	0			54	no	no											
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	S	10.12	10.17	y	2	concrete, earthy	0	2	5	0	45.7	24.9	65	no	no											
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	SW	10.06	10.11	y	3	exhaust fumes and bis	0	4	5	0			74	no	no											
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	W	10.00	10.05	y	2	odour control and concrete	0	4	5	0	67.5	68.3	79	no	no											
D Holman	03/09/2010	Excavating H14 H15, turning treatment beds, crushing concrete	NW	10.48	10.53	y	3	exhaust fumes and TCE/PCE	0	2	3	0			80	no	no											
D Holman	03/09/2010	crushing concrete, turning beds	N	16.42	16.47	y	2	vegetation	0	2	1	0	35.6	14.1	64	no	no	clear	9.209			5	NNE	26	sun	4	dry	
D Holman	03/09/2010	crushing concrete, turning beds	NE	16.36	16.41	y	3	vegetation	0	2	1	0	106.8	169.3	62	no	no	clear										
D Holman	03/09/2010	crushing concrete, turning beds	NE1	16.30	16.35								112.3	86.9				clear										
D Holman	03/09/2010	crushing concrete, turning beds	E	16.24	16.29	y	2	vegetation	0	2	1	0	43.7	38.6	54	no	no	clear	9.649									
D Holman	03/09/2010	crushing concrete, turning beds	SE	16.18	16.23	y	1	vegetation	0	2	1	0			57	no	no											
D Holman	03/09/2010	crushing concrete, turning beds	S	16.12	16.17	y	3	concrete	-1	2	5	0	39.1	16.4	66	no	no											
D Holman	03/09/2010	crushing concrete, turning beds	SW	16.06	16.11	y	2	exhaust fumes and TCE/PCE	-1	4	5	0			76	no	no											
D Holman	03/09/2010	crushing concrete, turning beds	W	16.00	16.05	y		concrete and odour control	0	4	5	0	58.2	47.1	80	no	no											
D Holman	03/09/2010	crushing concrete, turning beds	NW	16.48	16.53	y	2	exhaust fumes	-1	2	1	0			81	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	N	9.32	9.37	y	2	vegetation	0	2	1	0	121.1	36.8	66	no	no	clear	9.209			4	ESE	16.7	cloudy	6	dry	
D Holman	06/09/2010	excavating, breaking concrete, turning beds	NE	9.26	9.31	y	1	vegetation	0	2	1	0	258.2	102.6	55	no	no	clear										
D Holman	06/09/2010	excavating, breaking concrete, turning beds	NE1	9.20	9.25								88	77.3				clear										
D Holman	06/09/2010	excavating, breaking concrete, turning beds	E	9.14	9.19	y	1	vegetation	0	2	1	0	62	12.1	60	no	no	clear	9.649									
D Holman	06/09/2010	excavating, breaking concrete, turning beds	SE	9.08	9.13	y	1	vegetation	0	2	1	0			53	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	S	9.02	9.07	y	2	vegetation	0	2	1	0	88.5	60.1	65	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	SW	8.56	9.01	y	4	musty, organic, manure	0	4	5	0			74	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	W	8.50	8.55	y	3	exhaust fumes	-1	4	5	0	139.1	26.5	76	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	NW	9.38	9.43	y	1	vegetation and exhaust fumes	0	2	1	0			79	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	N	17.42	17.47	y	2	vegetation	0	2	1	0	285.8	230.5	57	no	no	clear	9.209			2	SE	14	rain	8	wet	
D Holman	06/09/2010	excavating, breaking concrete, turning beds	NE	17.36	17.41	y	2	vegetation	0	2	1	0	107.3	99.8	56	no	no	clear										
D Holman	06/09/2010	excavating, breaking concrete, turning beds	NE1	17.30	17.35								115.1	91.9				clear										
D Holman	06/09/2010	excavating, breaking concrete, turning beds	E	17.24	17.29	y	3	vegetation	0	2	1	0	93.9	81.1	53	no	no	clear	9.649									
D Holman	06/09/2010	excavating, breaking concrete, turning beds	SE	17.18	17.23	y	4	vegetation	0	2	1	0			52	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	S	17.12	17.17	y	2	vegetation	0	2	1	0	95.5	46.3	65	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	SW	17.06	17.11	y	3	vegetation	0	4	1	0			76	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	W	17.00	17.05	y	2	vegetation	0	4	1	0	131.5	62.1	79	no	no											
D Holman	06/09/2010	excavating, breaking concrete, turning beds	NW	17.48	17.53	y	3	vegetation and exhaust fumes	0	2	1	0			81	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	N	10.42	10.47	y	1	vegetation	0	2	1	0	122.5	90.4	55	no	no	clear	9.209						cloudy	8	damp	
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	NE	10.36	10.41	y	1	concrete	0	2		0	186.1	116.4	69	no	no	clear										
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	NE1	10.30	10.35								122.9	46.8				clear										
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	E	10.24	10.29	y	3	phenol and odour control	-1	2	5	0	115.1	88.4	56	no	no	clear	9.649									
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	SE	10.18	10.23	y	2	vegetation	0	2	1	0			71	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	S	10.12	10.17	y	2	vegetation	0	2	1	0	69.1	65.3	62	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	SW	10.06	10.11	y	1	vegetation	0	4	1	0			73	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	W	10.00	10.05	y	2	vegetation	0	4	1	0	231.6	69.4	79	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	NW	10.48	10.53	y	3	vegetation	0	2	1	0			81	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	N	17.42	17.47	y	3	vegetation	0	2	1	0	116.3	80	67	no	no	clear	9.209			0.5	S	22	cloudy	5	damp	
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	NE	17.36	17.41	y	2	crushed concrete	-1	2		0	154	105.4	65	no	no	clear										
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	NE1	17.30	17.35								64.1	48.5				clear										
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	E	17.24	17.29	y	1	vegetation	0	2	1	0	43.3	36.2	62	no	no	clear	9.649									
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	SE	17.18	17.23	y	2	crushed concrete and odour control	0	2	5	0			61	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	S	17.12	17.17	y	2	vegetation	0	2	1	0	55.1	50.1	68	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	SW	17.06	17.11	y	3	vegetation	0	4	1	0			76	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	W	17.00	17.05	y	2	vegetation	0	4	1	0	208.1	58.7	79	no	no											
I Stephenson	07/09/2010	excavating, breaking concrete, turning beds	NW	17.48	17.53	y	1	vegetation	0	2	1	0			79	no	no											
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	N	10.52	10.57	y	1	vegetation	0	2	1	0	111.3	69.6	53	no	no	clear	9.209			0.5	NW	16	cloudy	8	dry	
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	NE	10.46	10.51	y	4	vegetation	0	2	1	0	268.3	101.4	56	no	no	clear										
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	NE1	10.40	10.45								229.4	114				clear										
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	E	10.34	10.39	y	3	vegetation	0	2	1	0	239.4	222.9	58	no	no	clear	9.649									
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	SE	10.28	10.33	y	1	TCE/PCE	-1	2	5	0			67	no	no											
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	S	10.32	10.27	y	2	concrete and phenol	-1	2	5	0	209.8	110.8	65	no	no											
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	SW	10.16	10.21	y	1	vegetation and odour control	0	4	3	0			72	no	no											
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	W	10.10	10.15	y	1	vegetation	0	4	1	0	239.6	196.8	79	no	no											
D Holman	08/09/2010	Excavating H14, turning treatment beds, crushing concrete	NW	10.58	11.03	y	2	vegetation and exhaust fumes	0	2	1	0			77	no	no											
D Holman	08/09/2010	turning beds, crushing concrete	N	17.42	17.47	y	3	vegetation	0	2	1	0	56.4	43.6	59	no	no	clear	9.209			0.5	NNW	21	cloudy	8	dry	slight odour at S fire gate 3/9 0.0ppm
D Holman	08/09/2010	turning beds, crushing concrete	NE	17.36	17.41	y	3	vegetation	0	2	1	0	108.2	62.9	64	no	no	clear										
D Holman	08/09/2010	turning beds, crushing concrete	NE1	17.30	17.35								221.7	63.6				clear										
D Holman	08/09/2010	turning beds, crushing concrete	E	17.24	17.29	y	3	vegetation	0	2	1	0	272.5	56.2	63	no	no	clear	9.649									
D Holman	08/09/2010	turning beds, crushing concrete	SE	17.18	17.23	y	1	odour control	1	2	5	0			56	no	no											
D Holman	08/09/2010	turning beds, crushing concrete	S	17.12	17.17	y	2	odour control	0	2	5	0	88.9	71	64	no	no											
D Holman	08/09/2010	turning beds, crushing concrete	SW	17.06	17.11	y	1	concrete	0	4	5	0			76	no	no											
D Holman	08/09/2010	turning beds, crushing concrete	W	17.00	17.05	y	2	vegetation	0	4	1	0	39.1	17.7	80	no	no											
D Holman	08/09/2010	turning beds, crushing concrete	NW	17.48	17.53	y	2	vegetation	0	2	1	0			81	no	no											
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	N	9.35	9.40	y	1	vegetation	1	3	1	0	102.2	69.1	65.4	no	no	clear	9.199			1	sw	15.3	dry	6	wet	south boundary has constant weak to moderate smell of manure/muck spreading. NE1 strong vehicle fume odours
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	NE	9.25	9.30	y	2	veg and phenol	0	2	2	0	196.8	122.3	72.3	no	no	clear										
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	NE1	9.22	9.24								311.9	39.1				clear										
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	E	9.16	9.21	y	6	tcp and vehicle fumes	-1	3	5	0	192.4	121.4	68.4	no	no	clear	9.649									
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	SE	9.10	9.15	y	1	vegetation	0	3	1	0			65.2	no	no											
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	S	9.02	9.07	y	2	manure	0	4	1	0	181.2	55.3	69.2	no	no											
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	SW	8.56	9.01	y	3	vehicle fumes muck spreading	-1	3	1	0			62.3	no	no											
M Allsobrook	09/09/2010	turning treatment beds, crushing concrete	W	8.50	8.55	y	2	wet ground muck spreading	-1	4	1	0	170.2	62.3	79.9	no	no											

M Altsobrook	09/09/2010	turning treatment beds, crushing concrete	NW	9.41	9.46	y	4	traffic fumes	-1	2	1	0.1			61.2	no	no													
I Stephenson	09/09/2010	concrete crushing, bed turning	N	17.50	17.55	n				2		0	82.1	28.2	61	no	no	clear	9.199	n	no action required	1.9	NW	18	sunny spells	6	damp	site odour just detectable in gusts of wind on church road up to organic food plant. Not detectable beyond
I Stephenson	09/09/2010	concrete crushing, bed turning	NE	17.48	17.50	n				2		0	121	74.7	69.2	no	no	clear		n	no action required								
I Stephenson	09/09/2010	concrete crushing, bed turning	NE1	17.46	17.48								124	74.7				clear		n	no action required								
I Stephenson	09/09/2010	concrete crushing, bed turning	E	17.35	17.40	y	4	slightly fishy smell	-1	2	5	0	74.7	18.9	53.9	no	no	clear	9.649	n	no action required								
I Stephenson	09/09/2010	concrete crushing, bed turning	SE	17.30	17.35	y	4	slightly fishy smell	-1	2	5	0			47.1	no	no			n	no action required								
I Stephenson	09/09/2010	concrete crushing, bed turning	S	17.25	17.30	y	3	hydrocarbons road fumes	0	2	3	0	37.3	19.17	56.5	no	no			n	no action required								
I Stephenson	09/09/2010	concrete crushing, bed turning	SW	17.20	17.25	n				4		0			67.8	no	no			n	no action required								
I Stephenson	09/09/2010	concrete crushing, bed turning	W	17.15	17.20	n				4		0	14.5	8.16	68.3	no	no			n	no action required								
I Stephenson	09/09/2010	concrete crushing, bed turning	NW	17.55	18.00					2		0																		
D Holman	10/09/2010	crushing concrete, turning beds	N	9.57	10.02	y	1	vegetation	0	2	1	0	262	225.1	57	no	no	clear	9.199			8	s	17	rain	8	wet	no odour at church	
D Holman	10/09/2010	crushing concrete, turning beds	NE	9.51	9.56	y	4	concrete and phenol	-1	2	5	0.6	270.2	207.1	53	no	no	clear												
D Holman	10/09/2010	crushing concrete, turning beds	NE1	9.45	9.50								196.3	100.7				clear												
D Holman	10/09/2010	crushing concrete, turning beds	E	9.39	9.44	y	1	vegetation	0	2	1	0	148.5	141.8	57	no	no	clear	9.649											
D Holman	10/09/2010	crushing concrete, turning beds	SE	9.33	9.38	y	2	chemical organic	0	2	5	0			55	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	S	9.27	9.32	y	1	vegetation	0	2	1	0	58	44.6	63	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	SW	9.21	9.26	y	1	manure	0	4	5	0			72	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	W	9.15	9.20	y	1	odour suppressant	0	4	5	0	119.1	80.5	79	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	NW	10.03	10.08	y	3	vegetation	0	2	1	0			80	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	N	17.42	17.47	y	2	vegetation	0	2	1	0	61.3	58.7	56	no	no	clear	9.199			10	SSW	14	cloudy	8	wet		
D Holman	10/09/2010	crushing concrete, turning beds	NE	17.36	17.41	y	2	concrete	0	2	5	0	106.2	99	57	no	no	clear												
D Holman	10/09/2010	crushing concrete, turning beds	NE1	17.30	17.35								191.3	157.8				clear												
D Holman	10/09/2010	crushing concrete, turning beds	E	17.24	17.29	y	1	vegetation	0	2	1	0	123.5	86.1	53	no	no	clear	9.649											
D Holman	10/09/2010	crushing concrete, turning beds	SE	17.18	17.23	y	2	organic/manure	-1	2	5	0			53	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	S	17.12	17.17	y	1	vegetation	0	2	1	0	43.7	16.4	63	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	SW	17.06	17.11	y	3	vegetation	0	4	1	0			72	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	W	17.00	17.05	y	2	vegetation	0	4	1	0	86.3	72.1	78	no	no													
D Holman	10/09/2010	crushing concrete, turning beds	NW	17.48	17.53	y	2	vegetation	0	2	1	0			79	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	N	10.42	10.47	y	1	vegetation	0	2	1	0	119.2	84	65	no	no	clear	9.199			3.5	WNW	19	cloudy/sunny spells	5	dry		
D Holman	13/09/2010	turning beds, crushing concrete	NE	10.36	10.41	y	2	concrete	-1	2	5	0	190.5	143.8	54	no	no	clear												
D Holman	13/09/2010	turning beds, crushing concrete	NE1	10.30	10.35								146.3	69.6				clear												
D Holman	13/09/2010	turning beds, crushing concrete	E	10.24	10.29	y	1	phenol and concrete	-1	2	5	0	275.3	180.7	56	no	no	clear	9.639											
D Holman	13/09/2010	turning beds, crushing concrete	SE	10.18	10.23	y	2	concrete	-1	2	5	0			54	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	S	10.12	10.17	y	2	vegetation	0	2	1	0	71.9	46.3	65	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	SW	10.06	10.11	y	1	vegetation	0	4	1	0			72	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	W	10.00	10.05	y	1	vegetation and exhaust fumes	0	4	1	0	134.2	58.4	77	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	NW	10.48	10.53	y	2	vegetation and exhaust fumes	-1	2	1	0			75	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	N	17.02	17.07	y	1	vegetation	0	2	1	0	188.4	80.5	61	no	no	clear	9.199			6	w	16.4	drizzle	8	damp		
D Holman	13/09/2010	turning beds, crushing concrete	NE	16.56	17.01	y	3	concrete	-1	2	5	0	104.3	90.4	63	no	no	clear												
D Holman	13/09/2010	turning beds, crushing concrete	NE1	16.50	16.55								286.6	220.1				clear												
D Holman	13/09/2010	turning beds, crushing concrete	E	16.44	16.49	y	1	concrete and phenol	-1	2	5	0	238.4	100.4	59	no	no	clear	9.639											
D Holman	13/09/2010	turning beds, crushing concrete	SE	16.38	16.43	y	2	phenol organic compost	0	2	5	0			53	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	S	16.32	16.37	y	1	vegetation	0	2	1	0	208.9	96.4	63	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	SW	16.26	16.31	y	1	vegetation	0	4	1	0			73	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	W	16.20	16.25	y	1	vegetation	0	4	1	0	208.8	91.1	79	no	no													
D Holman	13/09/2010	turning beds, crushing concrete	NW	17.08	17.13	y	1	vegetation	0	2	1	0			80	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	N	10.22	10.27	y	1	vegetation	0	2	1	0	40.2	15.1	63	no	no	clear	9.199			8	SW	17	cloudy	8	dry		
D Holman	14/09/2010	turning beds, crushing concrete	NE	10.16	10.21	y	4	concrete	-1	2	5	0	98.2	69.3	62	no	no	clear												
D Holman	14/09/2010	turning beds, crushing concrete	NE1	10.10	10.15								270.1	169.3				clear												
D Holman	14/09/2010	turning beds, crushing concrete	E	10.04	10.09	y	3	vegetation concrete	0	2	3	0	106	60.9	62	no	no	clear	9.639											
D Holman	14/09/2010	turning beds, crushing concrete	SE	9.56	10.03	y	2	vegetation concrete	0	2	3	0			64	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	S	9.52	9.57	y	3	vegetation	0	2	1	0	33.8	24.3	63	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	SW	9.46	9.51	y	1	vegetation	0	4	1	0			73	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	W	9.40	9.45	y	2	vegetation	0	4	1	0	733.4	98.3	79	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	NW	10.28	10.33	y	2	vegetation	0	2	1	0			81	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	N	17.42	17.47	y	3	vegetation	-1	2	1	0	91.2	54	67	no	no	clear	9.199			13	W	14	heavy rain	8	wet		
D Holman	14/09/2010	turning beds, crushing concrete	NE	17.36	17.41	y	2	concrete	-1	2	5	0	163.9	98.7	65	no	no	clear												
D Holman	14/09/2010	turning beds, crushing concrete	NE1	17.30	17.33								139.2	68.6				clear												
D Holman	14/09/2010	turning beds, crushing concrete	E	17.24	17.29	y	1	vegetation concrete	0	2	3	0	268.1	110.9	66	no	no	clear	9.639											
D Holman	14/09/2010	turning beds, crushing concrete	SE	17.18	17.23	y	3	TCE/PCE	-1	2	5	0			54	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	S	17.12	17.17	y	2	vegetation	0	2	1	0	25.4	17.3	65	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	SW	17.06	17.11	y	1	vegetation and exhaust fumes	0	4	1	0			74	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	W	17.00	17.05	y	1	vegetation	0	4	1	0	31.8	26.2	80	no	no													
D Holman	14/09/2010	turning beds, crushing concrete	NW	17.48	17.53	y	1	vegetation	0	2	1	0			81	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	N	10.42	10.47	y	3	muck spreading	-1	2	1	0	229.3	105.2	66	no	no	clear	9.199			12	sw	18	sunny	4	damp	strong odour of muck spreading in whole area	
D Holman	15/09/2010	turning beds, crushing concrete	NE	10.36	10.41	y	3	phenol concrete and muck spreading	-1	2	4	0	279.5	57	68	no	no	clear												
D Holman	15/09/2010	turning beds, crushing concrete	NE1	10.30	10.35								143.7	85.7				clear												
D Holman	15/09/2010	turning beds, crushing concrete	E	10.24	10.29	y	2	muck spreading and odour control	-1	2	3	0	207.8	105.6	64	no	no	clear	9.639											
D Holman	15/09/2010	turning beds, crushing concrete	SE	10.18	10.23	y	3	muck spreading and concrete	-1	2	2	0			61	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	S	10.12	10.17	y	2	muck spreading	-1	2	1	0	38.7	6.5	62	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	SW	10.06	10.11	y	4	vegetation and muck spreading	-1	4	1	0			71	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	W	10.00	10.05	y	2	muck spreading	1	4	1	0	210.4	153.3	77	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	NW	10.48	10.53	y	3	muck spreading	-1	2	1	0			79	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	N	17.42	17.47	y	1	vegetation	0	2	1	0	165.5	85.8	59	no	no	clear	9.199			10	W	16	cloudy	4	damp		
D Holman	15/09/2010	turning beds, crushing concrete	NE	17.36	17.41	y	4	concrete and TCE/PCE	-1	2	5	0	114.5	20.1	66	no	no	clear												
D Holman	15/09/2010	turning beds, crushing concrete	NE1	17.30	17.35								198.5	84				clear												
D Holman	15/09/2010	turning beds, crushing concrete	E	17.20	17.25	y	3	phenol and concrete	-1	2	5	0	191.4	26.3	63	no	no	clear	9.639											
D Holman	15/09/2010	turning beds, crushing concrete	SE	17.18	17.23	y	3	phenol and exhaust fumes	-1	2	5	0			61	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	S	17.12	17.17	y	2	muck spreading	-1	2	1	0	14	13	67	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	SW	17.06	17.11	y	2	muck spreading	-1	4	1	0			76	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	W	17.00	17.05	y	2	exhaust fumes	1	4	1	0	94.7	40.6	79	no	no													
D Holman	15/09/2010	turning beds, crushing concrete	NW	17.48	17.53	y	1	exhaust and vegetation and muck spreading	0	2	1	0			81	no	no													
I Stephenson	16/09/2010	crushing concrete, turning beds	N	10.00	10.05	n				2		0	63.9	41.3	65.3	no	no	clear	9.199	no	no	2	w	14.5	cloudy	8	damp	slight smell of crushed concrete at church	
I Stephenson	16/09/2010	crushing concrete, turning beds	NE	10.05	10.10	y	2	undistinguishable site odour	0	2	3	0	97.5	75.7	71.7	no	no	clear		no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	NE1	10.10	10.15								97.4	89.9				clear		no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	E	10.15	10.20	y	2	top	0	2	5	0	210	49	69.8	no	no	clear	9.649	no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	SE	10.20	10.25	y	3	top	-1	2	5	0			68.9	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	S	10.25	10.30	y	2	cut grass from neighbouring field	0	4	1	0	215	40.6	65.3	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	SW	10.35	10.40	y	3	cut grass from neighbouring field	1	4	1	0			74	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	W	9.55	10.00	y	2	top	1	4	1	0	60.2	1.36	61.4	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	NW	9.55	10.00	y	3	cut grass from neighbouring field	1	4	1	0			73.2	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	N	16.45	16.50	n				2		0	123	54.2	64.2	no	no	clear	9.199	no	no	2.9	W	16.3	sunny spells	7	damp	slight smell of crushed concrete at the church. Slight smell of TCP half way up church meadow	
I Stephenson	16/09/2010	crushing concrete, turning beds	NE	16.51	16.56	n				2		0	88	69.8	79.1	no	no	clear		no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	NE1	16.58	17.03								64	12.5				clear		no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	E	17.05	17.10	y	2	top	-1	2	5	0	208	111.4	53.3	no	no	clear	9.649	no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	SE	17.11	17.16	y	2	top	0	2	5	0			71.9	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	S	17.18	17.23	y	4	cut grass	1	4	1	0	205	91.9	64.2	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	SW	17.24	17.29	y	4	cut grass	1	4	1	0			59.8	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	W	17.31	17.36	n				4		0	182	61	72.3	no	no			no	no									
I Stephenson	16/09/2010	crushing concrete, turning beds	NW	17.38	17.43	n				4		0			74.8	no	no			no	no									
I Stephenson	17/09/2010	concrete crushing	N	10.52	10.57	n				2		0	83.5	44.7	64.7	no	no	clear	9.199	no	no	0	NW	16	sunny	1	dry	smells cold at church - very fresh. Smell of TCP approx 10m from site in church meadow - intermittent	
I Stephenson	17/09/2010	concrete crushing	NE	10.46	10.51	n				2		0	46	105	45.1	no	no	clear		no	no									
I Stephenson	17/09/2010	concrete crushing	NE1	10.40	10.45								159	117				clear		no	no									
I Stephenson	17/09/2010	concrete crushing	E	10.34	10.39	n				2		0	200	22	65.2	no	no	clear	9.639	no	no									
I Stephenson	17/09/2010	concrete crushing	SE	10.28	10.33	y	3/4	TCP	-1	2	4	0			48.4	no	no			no	no									
I Stephenson	17/09/2010	concrete crushing	S	10.32	10.27	y	3	hydrocarbons and fumes	-1	4	3	0	90.7	48.5	54.3	no	no			no	no									
I Stephenson	17/09/2010	concrete crushing	SW	10.16	10.21	n				4		0			68.4	no	no			no	no									
I Stephenson	17/09/2010	concrete crushing	W	10.10	10.15	y	3	car fumes	0	4	1	0	60.8	13.13	70.9	no	no			no	no									
I Stephenson	17/09/2010	concrete crushing	NW	10.58	11.03	n				4		0			74.1	no	no			no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	N	17.43	17.48	n				2		0	28.1	12.8	63.9	no	no	clear	9.199	no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	NE	17.37	17.42	n				2		0	92.4	15.4	58.2	no	no	clear		no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	NE1	17.31	17.36								111.6	100				clear		no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	E	17.25	17.30	y	3	hydrocarbons	1	2		0	180.2	38.9	59.1	no	no	clear	9.639	no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	SE	17.19	17.24	y	3	tcp/hydrocarbons	0	3	5	0			62.8	no	no			no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	S	17.13	17.18	y	3	hydrocarbons/road fumes	-1	3	3	0	155.9	71.2	54.1	no	no			yes	no odour detected non possible	1	nw	14	sunny	2	dry	very slight and intermittent odour of hydrocarbons at church. Barely detectable.	
I Stephenson	17/09/2010	bed turning/concrete crushing	SW	17.07	17.12	n				4		0			73.8	no	no			no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	W	17.01	17.06	y	3	car fumes/hot road	1	4	1	0	76.4	64.3	74.5	no	no			no	no									
I Stephenson	17/09/2010	bed turning/concrete crushing	NW	17.49	17.54	n				2		0			73.9	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	N	9.12	9.17	n				2		0	109	33	80.7	no	no	clear	9.199	no	no	2.6	wsw	13	sunny	1	dry		
I Stephenson	20/09/2010	bed turning/concrete crushing	NE	9.06	9.11	n	4	hydrocarbons	1	2	5	0	58	72	58.3	no	no	clear		no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	NE1	9.00	9.05								76	51				clear		no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	E	8.54	8.59	y	4	hydrocarbons	1	2	5	0	152	108	59.1	no	no	clear	9.649	no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	SE	8.48	8.53	y	4	hydrocarbons	1	3	5	0			53.2	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	S	8.42	8.47	n				3		0	88	30	70	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	SW	8.36	8.41	n				4		0			73.4	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	W	8.30	8.35	n				4		0	127	74	74.6	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	NW	9.18	9.23	n				2		0			71.8	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	N	17.02	17.07	n				2		0	127	62	60.6	no	no	clear	9.199	no	no	3	wsw	17	sunny	1	dry	no odour at church, slight solvent smell along eastern boundary	
I Stephenson	20/09/2010	bed turning/concrete crushing	NE	16.56	17.01	y	2	undistinguishable site odour	0	2	3	0	65.4	171	64.9	no	no	clear		no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	NE1	16.50	16.55								447	212				clear		no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	E	16.44	16.49	n				2		0	168	99.9	58.5	no	no	clear	9.639	no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	SE	16.38	16.43	n				3		0			63.4	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	S	16.32	16.37	n				3		0	144	42.3	63.2	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	SW	16.26	16.31	y	3	cut grass from neighbouring field	1	4	1	0			74.1	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	W	16.20	16.25	n				4		0	53	74	73.1	no	no			no	no									
I Stephenson	20/09/2010	bed turning/concrete crushing	NW	17.08	17.13	y	3	car fumes cut grass	1	2	1	0			72	no	no			no	no									
D Holman	21/09/2010	bed turning/concrete crushing	N	10.42	10.47	y	1	vegetation	0	2	1	0	273.5	232.4	59	no	no	clear	9.209			1	s	17	sun	2	dry	slight pce/tce odour between n and nw points 2/9 0.0ppm	
D Holman	21/09/2010	bed turning/concrete crushing	NE	10.36	10.41	y	1	vegetation	0	2	1	0	251.6	158.8	62	no	no	clear												

D Holman	21/09/2010	bed turning/concrete crushing	NE1	10.30	10.35									271.8	154.6				Clear											
D Holman	21/09/2010	bed turning/concrete crushing	E	10.24	10.29	y	1	vegetation	0	2	1	0	245.8	172.6	56	no	no	Clear	9.639										
D Holman	21/09/2010	bed turning/concrete crushing	SE	10.18	10.23	y	3	vegetation	0	3	1	0			53	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	S	10.12	10.17	y	2	vegetation	0	3	1	0	166.3	68.9	62	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	SW	10.06	10.11	y	1	vegetation	0	4	1	0			72	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	W	10.00	10.05	y	2	vegetation	0	4	1	0	192	103.9	78	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	NW	10.48	10.53	y	2	vegetation and exhaust fumes	-1	2	1	0			78	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	N	17.32	17.37	y	1	vegetation	0	2	1	0	98.9	34.6	62	no	no	Clear	9.209										
D Holman	21/09/2010	bed turning/concrete crushing	NE	17.26	17.31	y	3	phenol TCE and PCE	-1	2	5	0	256.5	219.3	64	no	no	Clear		flogger moved ongoing assessment	6	sse	23	sun	2	dry	odour present along E boundary sporadically <4/9 <4.0ppm				
D Holman	21/09/2010	bed turning/concrete crushing	NE1	17.20	17.25									272.2	125.5				Clear											
D Holman	21/09/2010	bed turning/concrete crushing	E	17.14	17.19	y	1	vegetation	0	2	1	0	152	33.9	53	no	no	Clear	9.639										
D Holman	21/09/2010	bed turning/concrete crushing	SE	17.08	17.13	y	1	vegetation	0	3	1	0			52	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	S	17.02	17.07	y	3	vegetation	0	3	1	0	106.1	66.2	65	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	SW	16.56	17.01	y	1	vegetation	0	4	1	0			74	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	W	16.50	16.55	y	3	vegetation	-1	4	1	0	247.9	97.8	78	no	no												
D Holman	21/09/2010	bed turning/concrete crushing	NW	17.38	17.43	y	2	vegetation	0	2	1	0			80	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	N	10.42	10.47	y	2	odour control	1	2	5	0	201.9	74.1	56	no	no	Clear	9.199		2	se	21	sun	5	dry			
D Holman	22/09/2010	bed turning/concrete crushing	NE	10.36	10.41	y	2	vegetation	0	2	1	0	216.3	61.1	64	no	no	Clear											
D Holman	22/09/2010	bed turning/concrete crushing	NE1	10.30	10.35									131.2	116.9				Clear											
D Holman	22/09/2010	bed turning/concrete crushing	E	10.24	10.29	y	3	freshly cut wood/trees	0	2	1	0	119.3	83.2	53	no	no	Clear	9.649	1 Millburn cutting trees near footpath										
D Holman	22/09/2010	bed turning/concrete crushing	SE	10.18	10.23	y	2	vegetation	0	3	1	0			54	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	S	10.12	10.17	y	3	vegetation	0	3	1	0	127.5	99	62	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	SW	10.06	10.11	y	1	smoke and vegetation	-1	4	1	0			74	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	W	10.00	10.05	y	2	vegetation	0	4	1	0	79.4	50.8	77	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	NW	10.48	10.53	y	2	vegetation	0	2	1	0			78	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	N	17.42	17.47	y	2	vegetation	0	2	1	0	237.5	191.3	55	no	no	Clear	9.199		2	se	23	sun	6	dry			
D Holman	22/09/2010	bed turning/concrete crushing	NE	17.36	17.41	y	1	vegetation	0	2	1	0	257.1	137.3	62	no	no	Clear											
D Holman	22/09/2010	bed turning/concrete crushing	NE1	17.30	17.35									89.9	34.1				Clear											
D Holman	22/09/2010	bed turning/concrete crushing	E	17.24	17.29	y	2	fresh cut wood	0	2	1	0	89.8	19.3	64	no	no	Clear	9.649										
D Holman	22/09/2010	bed turning/concrete crushing	SE	17.18	17.23	y	1	vegetation	0	3	1	0			67	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	S	17.12	17.17	y	3	vegetation	0	3	1	0	116.9	103.2	66	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	SW	17.06	17.11	y	2	vegetation	0	4	1	0			75	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	W	17.00	17.05	y	1	vegetation	0	4	1	0	68.3	52.1	79	no	no												
D Holman	22/09/2010	bed turning/concrete crushing	NW	17.48	17.53	y	1	TCE/PCE	-1	2	5	0			79	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	N	9.44	9.54	y	2	odour control	0	2	5	0	253.7	156.4	61	no	no	clear	9.199		2.5	sse	15	light rain	8	damp			
D Holman	23/09/2010	bed turning/concrete crushing	NE	9.55	10.00	y	1	odour control and smoke	-1	2	3	0	278.6	189.6	65	no	no	clear											
D Holman	23/09/2010	bed turning/concrete crushing	NE1	10.01	10.06									212.6	185.2				clear											
D Holman	23/09/2010	bed turning/concrete crushing	E	10.07	10.12	y	4	odour control	0	2	5	0	183.9	88.6	59	no	no	clear	9.639										
D Holman	23/09/2010	bed turning/concrete crushing	SE	10.13	10.18	y	2	vegetation and smoke	0	3	1	0			54	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	S	10.19	10.24	y	3	smoke	-1	3	1	0	75.1	66	65	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	SW	10.25	10.30	y	2	vegetation and smoke	0	4	1	0			74	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	W	9.37	9.42	y	1	vegetation	0	4	1	0	182.3	109.6	79	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	NW	9.43	9.48	y	3	odour control	0	2	5	0			78	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	N	17.27	17.32	y	1	phenol and odour control	0	2	5	0	48.2	19.8	58	no	no	clear	9.199		0.5	sse	18	cloudy	8	dry	smoke odour at church 2/9 0.0ppm		
D Holman	23/09/2010	bed turning/concrete crushing	NE	17.21	17.26	y	5	odour control	1	2	5	0	198.7	141.6	65	no	no	clear											
D Holman	23/09/2010	bed turning/concrete crushing	NE1	17.15	17.20									137.9	78.1				clear											
D Holman	23/09/2010	bed turning/concrete crushing	E	17.09	17.14	y	1	concrete and phenol	0	2	5	0	111.3	68.7	56	no	no	clear	9.639										
D Holman	23/09/2010	bed turning/concrete crushing	SE	17.03	17.08	y	2	concrete and phenol	0	3	5	0			55	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	S	16.57	17.02	y	2	vegetation	0	3	1	0	68.5	9.2	64	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	SW	16.51	16.56	y	4	vegetation	0	4	1	0			72	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	W	16.45	16.50	y	3	vegetation	0	4	1	0	80.4	16.7	79	no	no												
D Holman	23/09/2010	bed turning/concrete crushing	NW	17.33	17.38	y	1	vegetation	0	2	1	0			81	no	no												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	N	10.12	10.17	y	1	vegetation	0	2	1	0	289.5	248.2	66	no	no	clear	9.199		3	W	13	Cloudy	8	dry			
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE	10.06	10.11	y	1	vegetation	0	2	1	0	276.1	262.4	67	no	no	clear											
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE1	10.00	10.05									357.4	183.6				clear											
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	E	9.54	9.59	Y	1	Vegetation	0	2	1	0	703.3	126.1	57	no	no	clear	9.649										
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SE	9.48	9.53	Y	1	Vegetation	0	3	1	0			56	no	no												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	S	9.42	9.47	Y	2	Vegetation + Exhaust traffic fumes	-1	3	1	0	122.9	48.9	54	no	no												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SW	9.36	9.41	Y	2	Vegetation + Exhaust traffic fumes	-1	4	1	0			73	no	no												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	W	9.30	9.35	Y	3	vegetation	0	4	1	0	180	96.7	80	no	no												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NW	10.18	10.23	Y	2	vegetation	0	2	1	0			79	no	no												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	N	17.12	17.17	Y	1	vegetation	0	2	1	0	201.2	191.5	66	No	No	Clear	9.199		10	NNE	12	Showers	8	Damp			
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE	17.06	17.11	Y	1	vegetation	0	2	1	0	281.3	213.4	65	No	No	Clear											
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE1	17.00	17.05									263.3	167.5				Clear											
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	E	16.54	16.59	Y	1	vegetation	0	2	1	0	213.4	119.8	55	No	No	Clear	9.649										
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SE	16.48	16.53	Y	2	vegetation	0	3	1	0			53	No	No												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	S	16.42	16.47	Y	3	vegetation	0	3	1	0	183.7	68.3	62	No	No												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SW	16.36	16.41	Y	3	vegetation + exhaust fumes	-1	4	1	0			78	No	No												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	W	16.30	16.35	Y	2	vegetation	0	4	1	0	157.9	103.6	81	No	No												
D Holman	24/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NW	17.18	17.23	Y	2	vegetation	0	2	1	0			82	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	N	10.42	10.47	Y	2	vegetation	0	2	1	0	167.2	207.4	57	No	No	Clear	9.199		0.5	NW	14	Drizzling	8	Damp			
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE	10.36	10.41	Y	1	vegetation	0	2	1	0	216.3	108.5	58	No	No	Clear											
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE1	10.30	10.35									95.5	90.1				Clear											
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	E	10.24	10.29	Y	2	vegetation	0	2	1	0	208.3	199.2	59	No	No	Clear	9.649										
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SE	10.18	10.23	Y	3	vegetation	0	3	1	0			56	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	S	10.12	10.17	N				3		0	227.4	171.3	66	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SW	10.06	10.11	Y	3	Wet vegetation	0	4	1	0			75	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	W	10.00	10.05	Y	2	Earthy soil odour	0	4	1	0	71.1	31.1	79	No	No												Standing water around main gate caused by water Authorities works outside site boundary
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NW	10.48	10.53	Y	1	Vegetation	0	2	1	0			81	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	N	16.57	17.02	Y	1	Vegetation	0	2	1	0	147.5	42.7	57	No	No	Clear	9.199		0.5	N	14	Rain	8	Wet	Slight odour at S gate 3/9 0.0ppm, no action required.		
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE	16.51	16.56	Y	2	Vegetation	0	2	1	0	127.7	99.7	60	No	No	Clear											
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NE1	16.45	16.50									177.5	149.4				Clear											
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	E	16.39	16.44	Y	4	Vegetation	0	2	1	0	227.8	194.4	61	No	No	Clear	9.649										
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SE	16.33	16.38	Y	2	Odour control fragrance	0	3	5	0			56	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	S	16.27	16.32	Y	1	vegetation	0	3	1	0	225.6	185.7	65	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	SW	16.21	16.26	Y	2	earthy vegetation odours	0	4	1	0			74	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	W	16.15	16.20	Y	1	vegetation	0	4	1	0	291.3	88.1	79	No	No												
D Holman	27/09/2010	Breaking out concrete, crushing concrete, turning treatment beds	NW	16.03	16.08	Y	2	vegetation + vehicle exhaust fumes	-1	2	1	0			79	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	N	10.42	10.47	Y	1	Vegetation	0	2	1	0	99.7	7.7	58	No	No	Clear	9.209		0.5	NNE	15	Cloudy	8	Damp			
D Holman	28/09/2010	Turning beds and crushing concrete	NE	10.36	10.41	Y	2	Vegetation	0	2	1	0	136.1	99.9	66	No	No	Clear											
D Holman	28/09/2010	Turning beds and crushing concrete	NE1	10.30	10.35									197.1	96.7				Clear											
D Holman	28/09/2010	Turning beds and crushing concrete	E	10.24	10.29	Y	3	Vegetation	0	2	1	0	200.8	98.5	62	No	No	Clear	9.659										
D Holman	28/09/2010	Turning beds and crushing concrete	SE	10.18	10.23	Y	4	Vegetation	0	3	1	0			59	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	S	10.12	10.17	Y	3	Vegetation	0	3	1	0	154.7	91.6	65	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	SW	10.06	10.11	Y	2	Vegetation	0	4	1	0			77	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	W	10.00	10.05	Y	3	Vegetation	0	4	1	0	216.2	131.8	81	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	NW	10.48	10.53	Y	3	vegetation + vehicle exhaust fumes	-1	2	1	0			80	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	N	17.42	17.47	Y	2	Vegetation	0	2	1	0	97.2	62.9	59	No	No	Clear	9.209		0.5	SW	17	Cloudy	8	Damp			
D Holman	28/09/2010	Turning beds and crushing concrete	NE	17.36	17.41	Y	3	Vegetation	0	2	1	0	116.3	109.6	62	No	No	Clear											
D Holman	28/09/2010	Turning beds and crushing concrete	NE1	17.30	17.35									137.1	86.3				Clear											
D Holman	28/09/2010	Turning beds and crushing concrete	E	17.24	17.29	Y	4	Vegetation	0	2	1	0	125.9	93.5	58	No	No	Clear	9.659										
D Holman	28/09/2010	Turning beds and crushing concrete	SE	17.18	17.23	Y	4	Vegetation	0	3	1	0			59	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	S	17.12	17.17	Y	3	Vegetation	0	3	1	0	198.2	105.1	64	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	SW	17.06	17.11	Y	1	Vegetation	0	4	1	0			76	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	W	17.00	17.05	Y	3	Vegetation	0	4	1	0	151.4	87.6	79	No	No												
D Holman	28/09/2010	Turning beds and crushing concrete	NW	17.48	17.53	Y	1	Vegetation	0	2	1	0			81	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	N	10.12	10.17	Y	2	Earthy soil odour and phenol odour	0	2	5	0	239.9	116.3	57	No	No	Clear	9.199		8	S	14	Rain	8	Wet			
D Holman	29/09/2010	Excavating and crushing concrete	NE	10.06	10.11	Y	3	Earthy soil odour and phenol odour	0	2	5	0	214.6	84.7	56	No	No	Clear											
D Holman	29/09/2010	Excavating and crushing concrete	NE1	10.00	10.05									204.7	86.5				Clear											
D Holman	29/09/2010	Excavating and crushing concrete	E	9.54	9.59	Y	4	Vegetation	0	2	1	0	241.5	13.6	59	No	No	Clear	9.649										
D Holman	29/09/2010	Excavating and crushing concrete	SE	9.48	9.53	Y	3	Vegetation	0	3	1	0			54	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	S	9.42	9.47	Y	2	Vegetation	0	3	1	0	267.4	210.8	67	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	SW	9.36	9.41	Y	1	Vegetation	0	4	1	0			75	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	W	9.30	9.35	Y	2	Vegetation	0	4	1	0	211.3	92.8	79	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	NW	10.18	10.23	Y	3	Vegetation	0	2	1	0			79	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	N	17.42	17.47	Y	1	Earthy soil odour	0	2	5	0	133.7	70.6	59	No	No	Clear	9.199		8	SSE	15	Rain	8	Wet			
D Holman	29/09/2010	Excavating and crushing concrete	NE	17.36	17.41	Y	2	Earthy soil odour and slight phenol odour	-1	2	5	0	277.2	251.2	61	No	No	Clear											
D Holman	29/09/2010	Excavating and crushing concrete	NE1	17.30	17.35									202.2	127.5				Clear											
D Holman	29/09/2010	Excavating and crushing concrete	E	17.24	17.29	Y	2	Earthy soil odour	0	2	5	0	83.6	70.4	57	No	No	Clear	9.649										
D Holman	29/09/2010	Excavating and crushing concrete	SE	17.18	17.23	Y	1	Vegetation	0	3	1	0			58	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	S	17.12	17.17	Y	1	Vegetation	0	3	1	0	219.1	11.7	67	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	SW	17.06	17.11	Y	1	Vegetation	0	4	1	0			76	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	W	17.00	17.05	Y	3	Vegetation	0	4	1	0	225.3	126.5	81	No	No												
D Holman	29/09/2010	Excavating and crushing concrete	NW	17.48	17.53	Y	1	Vegetation	0	2	1	0			80	No	No												
D Holman	30/09/2010	Excavating and crushing concrete	N	9.12	9.17	Y	2	Vegetation	0	2	1	0	68.7	37.2	55	No	No	Clear	9.199		2	SW	10	Cloudy	5	Damp			
D Holman	30/09/2010	Excavating and crushing concrete	NE	9.06	9.11	Y	3	Vegetation	0	2	1	0	196.3	83.9	59	No	No	Clear											
D Holman	30/09/2010	Excavating and crushing concrete	NE1	9.00	9.05									141.6	96.8				Clear											
D Holman	30/09/2010	Excavating and crushing concrete	E	8.54	8.59	Y	1	Vegetation, earth and hydrocarbon	-1	2	3	0	59.2	31.3	62	No	No	Clear	9.649										
D Holman	30/09/2010	Excavating and crushing concrete	SE	8.48	8.53	Y	1	Vegetation	0	3	1	0			66	No	No												
D Holman	30/09/2010	Excavating and crushing concrete	S	8.42	8.47	Y	2	Vegetation	0	3	1	0	89.7	19.8	64	No	No												
D Holman	30/09/2010	Excavating and crushing concrete	SW	8.36	8.41	Y	2	Vegetation	0	4	1	0			72	No	No												
D Holman	30/09/2010	Excavating and crushing concrete	W	8.30	8.35	Y	1	Vegetation	0	4	1	0	49.6	27.1	78	No	No												
D Holman	30/09/2010	Excavating and crushing concrete	NW	9.18	9.23	Y	3	Vegetation	0	2	1	0			81	No	No												
I. Stephenson	30/09/2010	Crushing concrete turning beds	N	16.30	16.35	N				2		0	121.4	64.2	54.9	No	No	Clear	9.199		0.9	SW	19.4	Sunny spells	5	Damp	No odour at parish church Hauxton, Very slight site odour along foot path through church meadow.		
I. Stephenson	30/09/2010	Crushing concrete turning beds	NE	16.25	16.30	N				2		0	88.8	16.4	52.1	No	No	Clear											
I. Stephenson	30/09/2010	Crushing concrete turning beds	NE1	16.20	16.25									53.9	16.2				Clear											
I. Stephenson	30/09/2010	Crushing concrete turning beds	E	16.15	16.20	Y	4	Slight hydrocarbon odour	0	2	3	0	108.4	91	58.2	No	No	Clear	9.649										
I. Stephenson	30/09/2010	Crushing concrete turning beds	SE	16.10	16.15	N				3		0			58.8	No	No												
I. Stephenson	30/09/2010	Crushing concrete turning beds	S	16.05	16.10	N				3		0	81.7	19.8	63.2	No	No												

I Stephenson	30/09/2010	Crushing concrete turning beds	SW	16.00	16.05	N				4		0			68.3	No	No													
I Stephenson	30/09/2010	Crushing concrete turning beds	W	16.40	16.45	N				4		0	156.4	105.1	71.8	No	No													
I Stephenson	30/09/2010	Crushing concrete turning beds	NW	16.35	16.40	N				2		0			74.3	No	No													
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	N	10.42	10.47	Y	2	Concrete odours and TCE odours	0	2	5	0	66.9	30.3	66	No	No	Clear	9.199					5	S	26	Sunny	4	Dry	Slight concrete, TCE and odour control fragrance odours present along Eastern footpath <3/9, 0.0ppm,
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	NE	10.36	10.41	N				2		0	59.7	42.4	66	No	No	Clear												
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	NE1	10.30	10.35								124.7	59.4				Clear												
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	E	10.24	10.29	Y	2	Vegetation	0	2	1	0	22.5	13.3	61	No	No	Clear	9.639											
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	SE	10.18	10.23	Y	2	Vegetation	0	3	1	0			49	No	No													
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	S	10.17	10.17	Y	1	Vegetation	0	3	1	0	290.3	158.4	62	No	No													
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	SW	10.06	10.11	Y	3	Vegetation	0	4	1	0			79	No	No													
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	W	10.00	10.05	Y	1	Vegetation	0	4	1	0	136	93.7	79	No	No													
D Holman	01/10/2010	Turning beds, relocating beds and crushing concrete	NW	10.48	10.53	Y	2	Vegetation	0	2	1	0			81	No	No													
D Holman	01/10/2010	Crushing concrete turning beds	N	17.32	17.37	Y	1	Vegetation	0	2	1	0	36.4	19.8	66	No	No	Clear	9.199					0.5	ENE	29	Sunny	4	Dry		
D Holman	01/10/2010	Crushing concrete turning beds	NE	17.26	17.31	Y	2	Vegetation	0	2	1	0	79.9	55.6	68	No	No	Clear												
D Holman	01/10/2010	Crushing concrete turning beds	NE1	17.20	17.25								45.2	33.6				Clear												
D Holman	01/10/2010	Crushing concrete turning beds	E	17.14	17.19	Y	1	Vegetation	0	2	1	0	82.4	33.1	68	No	No	Clear	9.649											
D Holman	01/10/2010	Crushing concrete turning beds	SE	17.08	17.13	Y	1	Vegetation	0	3	1	0			56	No	No													
D Holman	01/10/2010	Crushing concrete turning beds	S	17.02	17.07	Y	2	Wood Preservative	0	3	1	0	48.1	40.9	64	No	No													
D Holman	01/10/2010	Crushing concrete turning beds	SW	16.56	17.01	Y	2	Earthy, soil odours and exhaust fumes	0	4	5	0			76	No	No													
D Holman	01/10/2010	Crushing concrete turning beds	W	16.50	16.55	Y	1	Manure, compost	1	4	5	0	246.1	130.2	78	No	No													
D Holman	01/10/2010	Crushing concrete turning beds	NW	17.38	17.43	Y	2	odour control fragrance + vegetation	0	2	3	0			80	No	No													

Appendix C

Long term Passive VOC Monitoring

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

UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

REPORT NUMBER	GCMS 4470
CUSTOMER	Vertase FLI Ltd
GRADKO LAB REFERENCE	GMSE 1864-1875
DATE SAMPLES RECEIVED	07.10.10
DESPATCH REF.NUMBER	SOR004605
JOB NUMBER	907BR1/5302
BOOKING IN REF.	D 5233

SEMI-QUANTITATIVE ANALYSIS FOR TOP 10 VOC'S ON TENAX DIFFUSION TUBES BY GC/MS

Analysis has been carried out in accordance with in-house method GLM 13

Tube Number	**GRA 04131****
Exposure Time(mins)	**39056**
Sample ID	**North East**

Unicarb tube labelled as Tenax and analysed on Tenax Method
Compounds were not detected

Tube Number	**GRA 01118**
Exposure Time(mins)	**39032**
Sample ID	**East**

Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Tetrachloroethylene	706.74	9.05
Toluene	171.21	2.19
Benzene, 1,2,3-trichloro-4-methyl-	60.41	0.77
m/p-Xylene	42.42	0.54
Trichloroethylene	30.20	0.39
Bis(2-chloroethyl) ether	28.80	0.37
Benzene, 1,2,4-trichloro-3-methyl-	27.94	0.36
Benzene, 1,4-dichloro-2-methyl-	23.74	0.30
Benzene, 1,2-dichloro-	21.51	0.28
o-Xylene	18.28	0.23

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. 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.

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

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tel.: 01962 860331 fax: 01962 841339 e-mail:diffusion@gradko.co.uk

UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

Tube Number	**GRA 05103**
Exposure Time(mins)	**39030**
Sample ID	**South East**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	348.00	4.46
Toluene	100.66	1.29
Benzene, 1,2,3-trichloro-4-methyl-	33.87	0.43
m/p-Xylene	25.85	0.33
Trichloroethylene	20.42	0.26
Benzene	17.32	0.22
Benzene, 1,2,4-trichloro-3-methyl-	17.20	0.22
Benzene, 1,4-dichloro-2-methyl-	16.01	0.21
Bis(2-chloroethyl) ether	15.90	0.20
Benzene, 1,2-dichloro-	13.47	0.17

Tube Number	**GRA 03710**
Exposure Time(mins)	**39018**
Sample ID	**South**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	101.09	1.30
Toluene	44.10	0.57
Nonadecane	26.74	0.34
Benzene	23.38	0.30
Heptadecane	23.22	0.30
Octadecane	19.44	0.25
m/p-Xylene	16.72	0.21
Phenol	15.65	0.20
Hexadecane	14.65	0.19
Benzene, 1,2,3-trichloro-4-methyl-	12.62	0.16

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LABORATORY ANALYSIS REPORT

Tube Number	**GRA 06231**
Exposure Time(mins)	**39015**
Sample ID	**South West**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	96.10	1.23
Toluene	52.66	0.67
Benzene	18.71	0.24
Cyclohexane, isothiocyanato-	16.34	0.21
m/p-Xylene	14.86	0.19
o-Xylene	13.61	0.17
Benzene, 1,2,3-trichloro-4-methyl-	13.42	0.17
Phenol	9.05	0.12
Cyclohexane, isocyanato-	8.61	0.11
1,4-Methanoazulene, decahydro-4,8,8-trimethyl-9-methylene-, [1S-(1.alpha.,3a.beta.,4.alpha.,8a.beta.)]-	7.69	0.10

Tube Number	**GRA 04264**
Exposure Time(mins)	**39015**
Sample ID	**West**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	95.32	1.22
Toluene	61.23	0.78
o-Xylene	25.03	0.32
Benzene	22.85	0.29
m/p-Xylene	22.84	0.29
Pentane, 3-methyl-	20.95	0.27
Pentane, 2-methyl-	16.21	0.21
Undecane	12.93	0.17
Phenol	12.54	0.16
Hexane	12.36	0.16

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LABORATORY ANALYSIS REPORT

Tube Number	**GRA 02342**
Exposure Time(mins)	**39010**
Sample ID	**North West**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	947.25	12.14
Toluene	251.42	3.22
Trichloroethylene	214.76	2.75
m/p-Xylene	166.07	2.13
Benzene, 1,2,3-trichloro-4-methyl-	69.59	0.89
Naphthalene, 2-methyl-	49.50	0.63
o-Xylene	47.79	0.61
Naphthalene	32.25	0.41
Ethylbenzene	31.61	0.41
Benzene, 1-chloro-2-methyl-	30.96	0.40

Tube Number	**GRA 06113**
Exposure Time(mins)	**39030**
Sample ID	**North**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	258.83	3.32
Toluene	104.13	1.33
Naphthalene	60.09	0.77
m/p-Xylene	54.96	0.70
Trichloroethylene	49.77	0.64
Benzene	21.43	0.27
o-Xylene	18.89	0.24
Benzene, 1,2,3-trichloro-4-methyl-	15.97	0.20
Naphthalene, 2-methyl-	15.38	0.20
Bis(2-chloroethyl) ether	13.31	0.17

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tel.: 01962 860331 fax: 01962 841339 e-mail:diffusion@gradko.co.uk

UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

Tube Number	**GRA 03068**
Exposure Time(mins)	**39030**
Sample ID	**WWTW**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Benzene	26.50	0.34
Tetrachloroethylene	25.25	0.32
Toluene	13.39	0.17
Phenol	11.82	0.15
o-Xylene	7.06	0.09
Trichloroethylene	6.47	0.08
m/p-Xylene	6.31	0.08
Benzonitrile	4.26	0.05
Octane	4.17	0.05
Undecane	3.32	0.04

Tube Number	**GRA 06221**
Exposure Time(mins)	**38975**
Sample ID	**Church Road**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Naphthalene	284.41	3.65
Tetrachloroethylene	41.62	0.53
Toluene	27.53	0.35
Benzene	24.40	0.31
Naphthalene, 2-methyl-	23.02	0.30
Acenaphthene	16.47	0.21
2-Benzo[b]tiophene	15.55	0.20
m/p-Xylene	14.38	0.18
Phenol	11.04	0.14
Phenanthrene	10.95	0.14

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St. Martins House, 77 Wales Street Winchester, Hampshire SO23 0RH
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UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

Tube Number	**GRA 02268**
Exposure Time(mins)	**38957**
Sample ID	**Queen's Close**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Toluene	21.00	0.27
Benzene	15.50	0.20
m/p-Xylene	14.56	0.19
o-Xylene	11.86	0.15
Phenol	11.46	0.15
Tetrachloroethylene	7.83	0.10
Benzene, 1,2,4-trimethyl-	5.24	0.07
Ethylbenzene	4.75	0.06
Undecane	4.34	0.06
Hexadecane	3.98	0.05

** **Tube number GRA 04131 was Unicarb tube labelled as Tenax and analysed on Tenax Method.**

Semi-quantitative results for ng on tube are calculated using toluene standards.

Analysts Name **M.Angelova** **Date of Analysis** **12.10.10**

Date of Report **12.10.10**

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L. Gates, Laboratory Supervisor

Appendix D

Directional Dust Monitoring

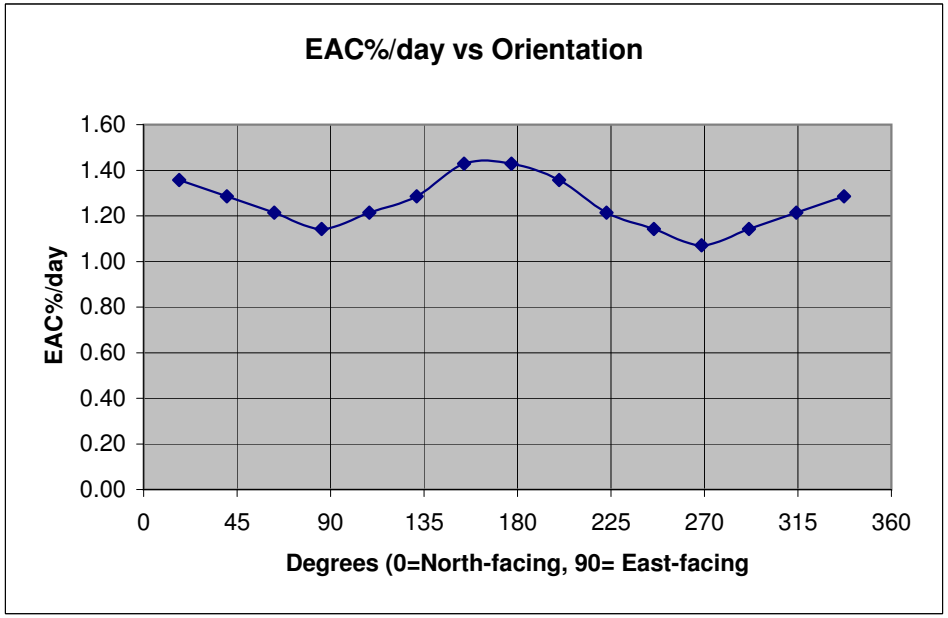
Chemtest

Sticky Pad Data

Gauge Number - North location 907BRI

Sticky Pad Data

Date On	20/08/2010	Date Off	03/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	72	337	1.29	
40	73	314	1.21	
60	74	291	1.14	
80	75	269	1.07	
100	74	246	1.14	
120	73	223	1.21	
140	71	200	1.36	
160	70	177	1.43	
180	70	154	1.43	
200	72	131	1.29	
220	73	109	1.21	
240	74	86	1.14	
260	73	63	1.21	
280	72	40	1.29	
300	71	17	1.36	



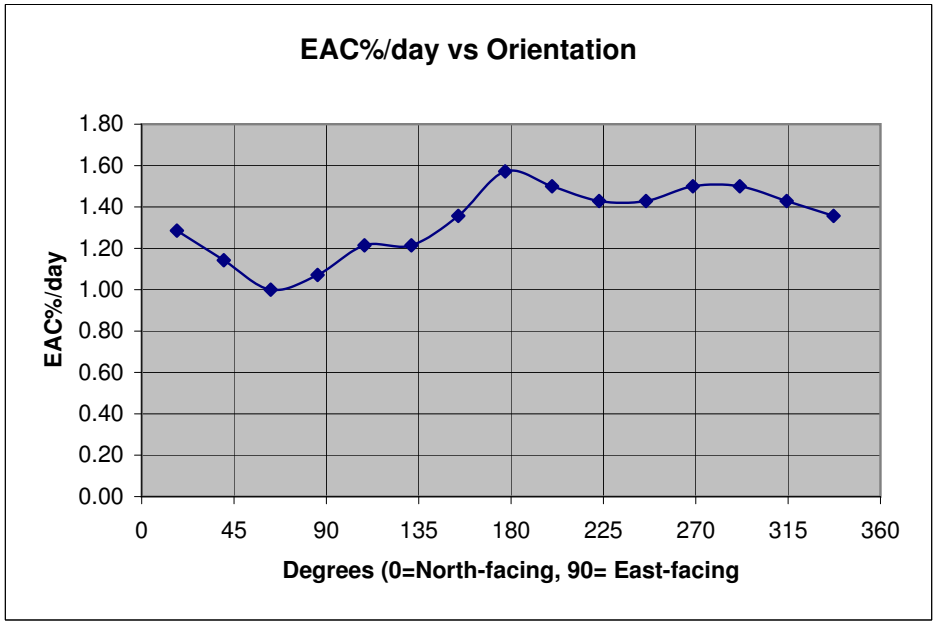
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - NE1 location 907BRI

Sticky Pad Data

Date On	20/08/2010	Date Off	03/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	71	337	1.36	
40	70	314	1.43	
60	69	291	1.50	
80	69	269	1.50	
100	70	246	1.43	
120	70	223	1.43	
140	69	200	1.50	
160	68	177	1.57	
180	71	154	1.36	
200	73	131	1.21	
220	73	109	1.21	
240	75	86	1.07	
260	76	63	1.00	
280	74	40	1.14	
300	72	17	1.29	



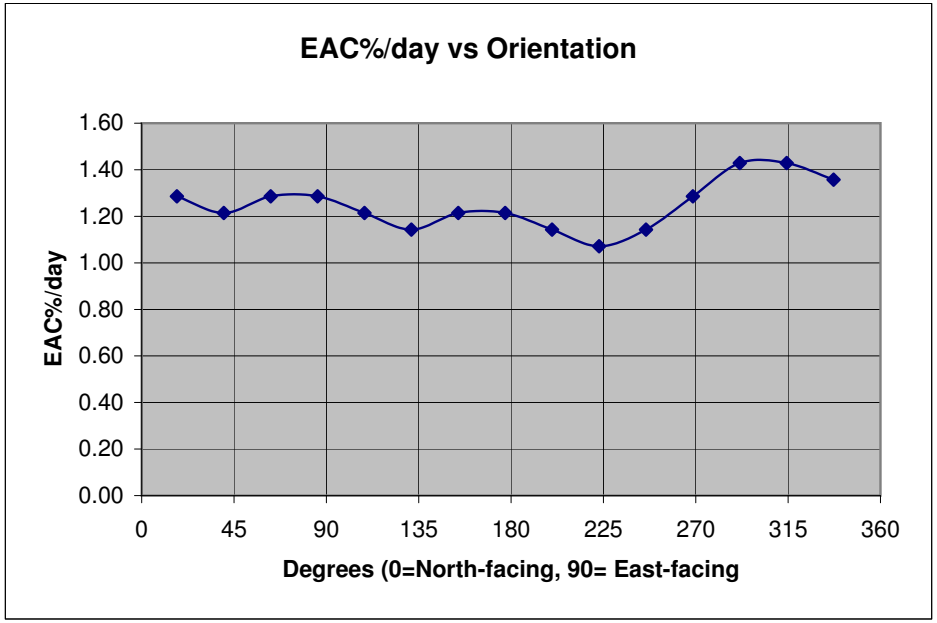
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - NE2 location 907BRI

Sticky Pad Data

Date On	20/08/2010	Date Off	03/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	71	337	1.36	
40	70	314	1.43	
60	70	291	1.43	
80	72	269	1.29	
100	74	246	1.14	
120	75	223	1.07	
140	74	200	1.14	
160	73	177	1.21	
180	73	154	1.21	
200	74	131	1.14	
220	73	109	1.21	
240	72	86	1.29	
260	72	63	1.29	
280	73	40	1.21	
300	72	17	1.29	



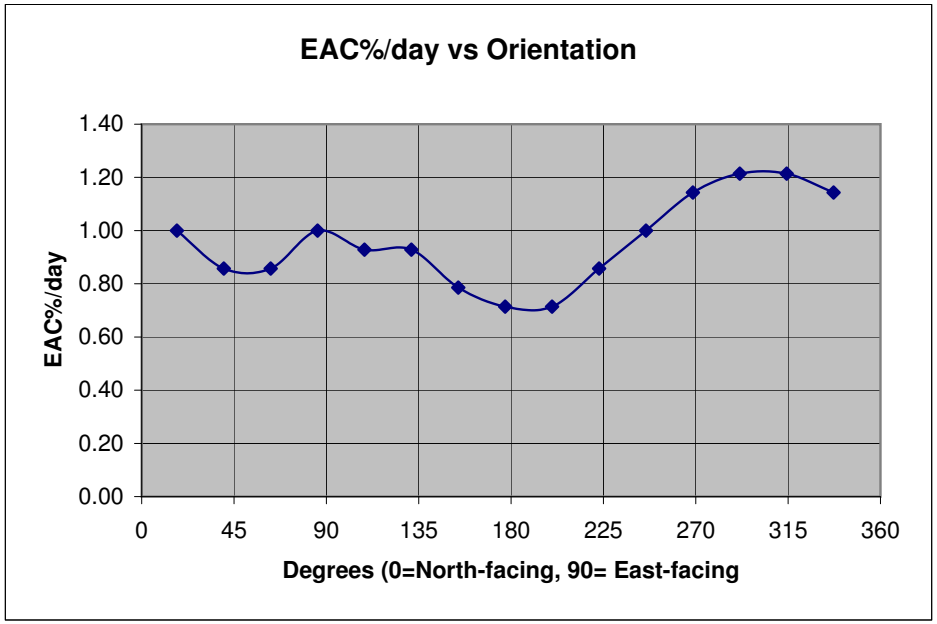
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - South location 907BRI

Sticky Pad Data

Date On	20/08/2010	Date Off	03/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	74	337	1.14	
40	73	314	1.21	
60	73	291	1.21	
80	74	269	1.14	
100	76	246	1.00	
120	78	223	0.86	
140	80	200	0.71	
160	80	177	0.71	
180	79	154	0.79	
200	77	131	0.93	
220	77	109	0.93	
240	76	86	1.00	
260	78	63	0.86	
280	78	40	0.86	
300	76	17	1.00	



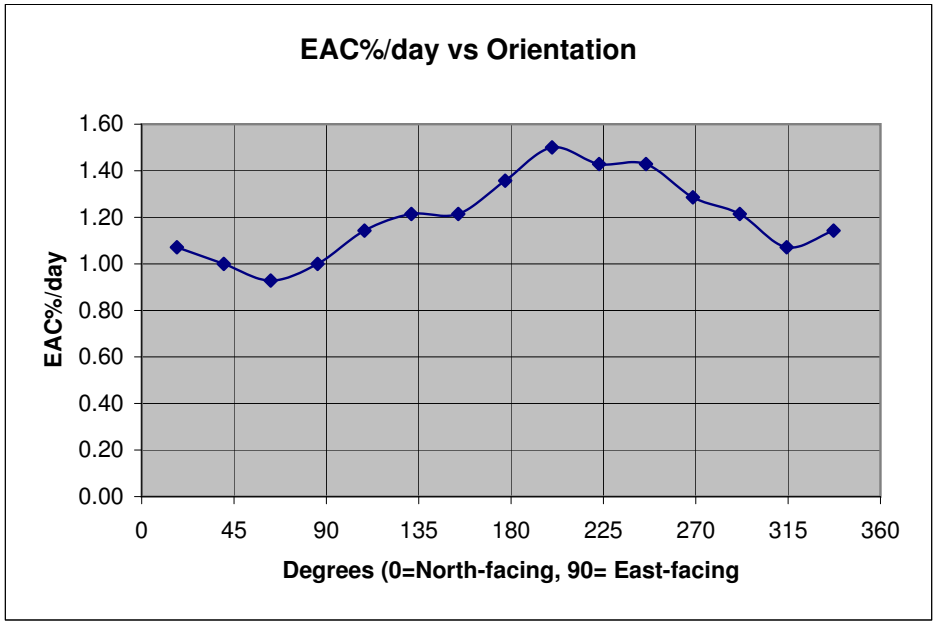
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - West location 907BRI

Sticky Pad Data

Date On	20/08/2010	Date Off	03/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	74	337	1.14	
40	75	314	1.07	
60	73	291	1.21	
80	72	269	1.29	
100	70	246	1.43	
120	70	223	1.43	
140	69	200	1.50	
160	71	177	1.36	
180	73	154	1.21	
200	73	131	1.21	
220	74	109	1.14	
240	76	86	1.00	
260	77	63	0.93	
280	76	40	1.00	
300	75	17	1.07	



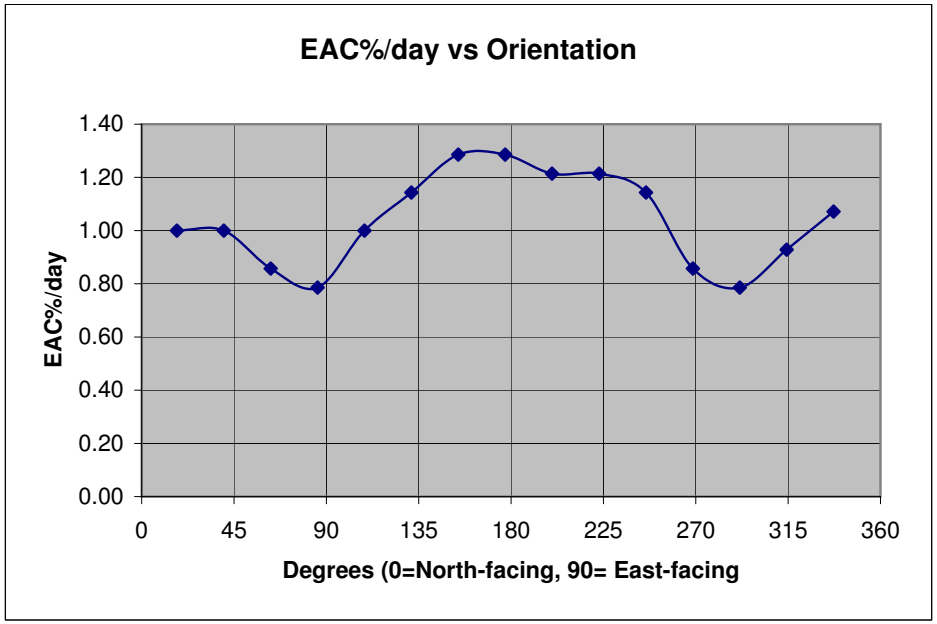
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - East location 907BRI

Sticky Pad Data

Date On	20/08/2010	Date Off	03/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	75	337	1.07	
40	77	314	0.93	
60	79	291	0.79	
80	78	269	0.86	
100	74	246	1.14	
120	73	223	1.21	
140	73	200	1.21	
160	72	177	1.29	
180	72	154	1.29	
200	74	131	1.14	
220	76	109	1.00	
240	79	86	0.79	
260	78	63	0.86	
280	76	40	1.00	
300	76	17	1.00	



Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

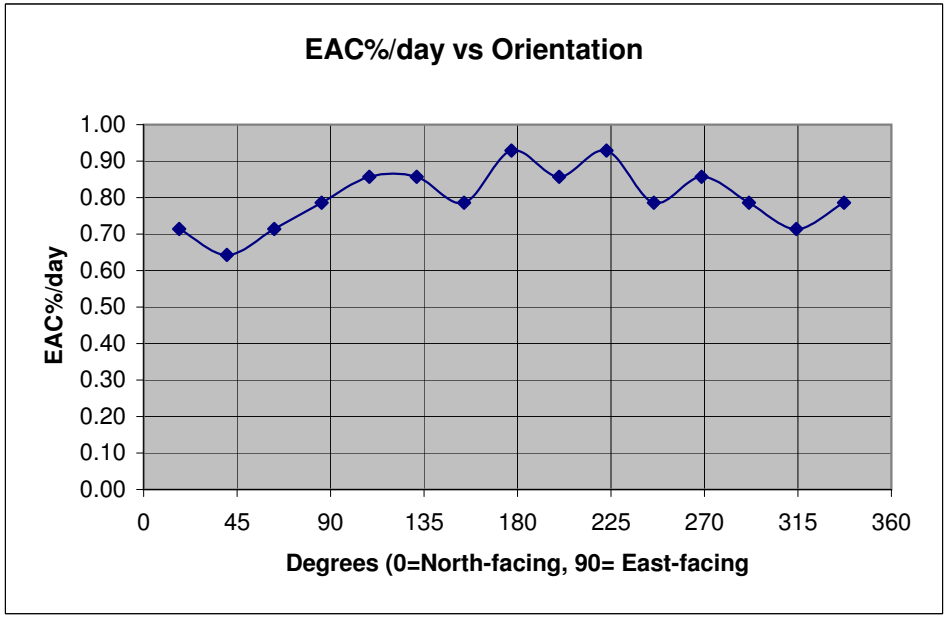
Chemtest

Sticky Pad Data

Gauge Number - North location 907BRI

Sticky Pad Data

Date On	03/09/2010	Date Off	17/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	79	337	0.79	
40	80	314	0.71	
60	79	291	0.79	
80	78	269	0.86	
100	79	246	0.79	
120	77	223	0.93	
140	78	200	0.86	
160	77	177	0.93	
180	79	154	0.79	
200	78	131	0.86	
220	78	109	0.86	
240	79	86	0.79	
260	80	63	0.71	
280	81	40	0.64	
300	80	17	0.71	



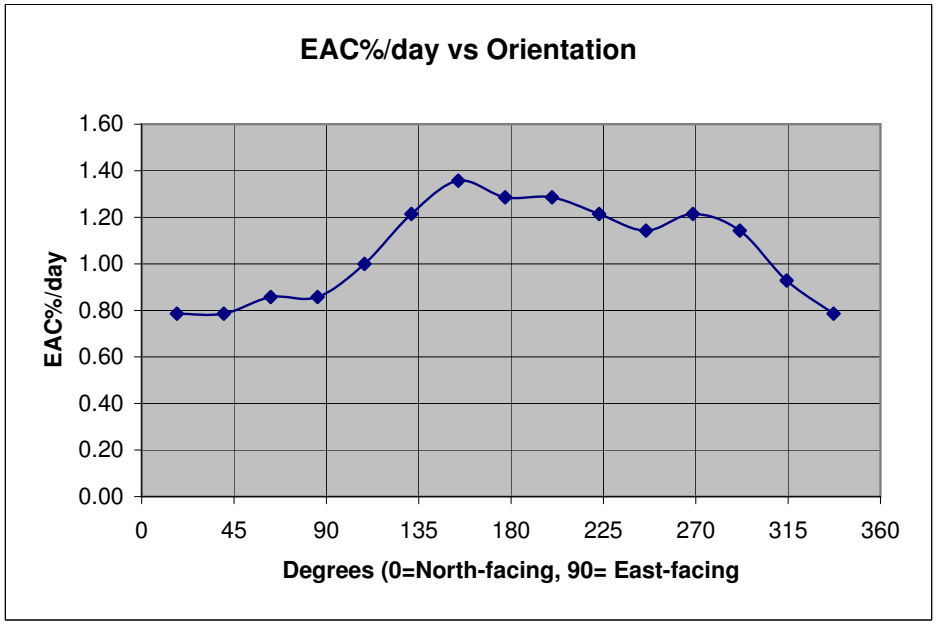
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - NE1 location 907BRI

Sticky Pad Data

Date On	03/09/2010	Date Off	17/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	79	337	0.79	
40	77	314	0.93	
60	74	291	1.14	
80	73	269	1.21	
100	74	246	1.14	
120	73	223	1.21	
140	72	200	1.29	
160	72	177	1.29	
180	71	154	1.36	
200	73	131	1.21	
220	76	109	1.00	
240	78	86	0.86	
260	78	63	0.86	
280	79	40	0.79	
300	79	17	0.79	



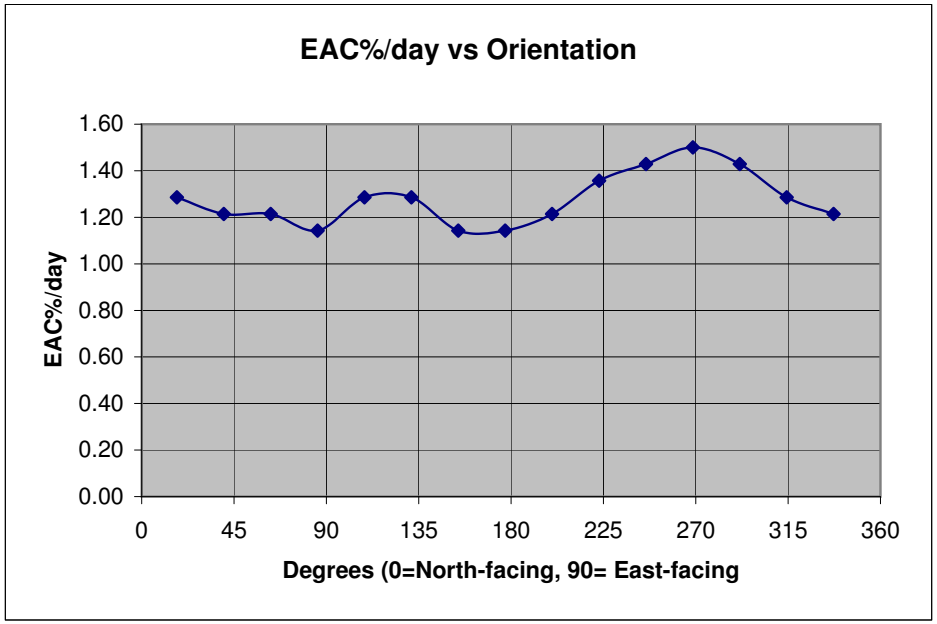
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - NE2 location 907BRI

Sticky Pad Data

Date On	03/09/2010	Date Off	17/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	73	337	1.21	
40	72	314	1.29	
60	70	291	1.43	
80	69	269	1.50	
100	70	246	1.43	
120	71	223	1.36	
140	73	200	1.21	
160	74	177	1.14	
180	74	154	1.14	
200	72	131	1.29	
220	72	109	1.29	
240	74	86	1.14	
260	73	63	1.21	
280	73	40	1.21	
300	72	17	1.29	



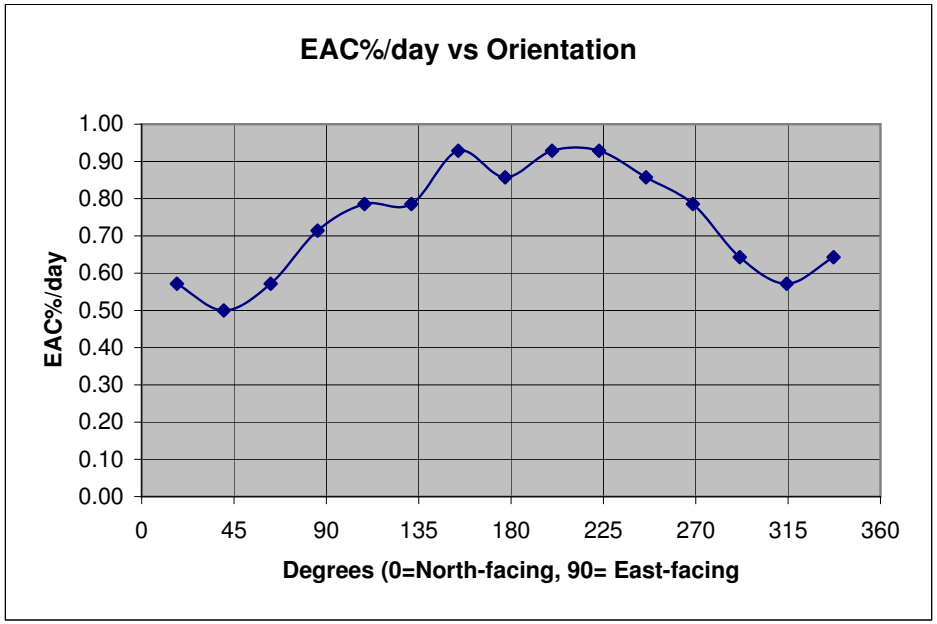
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - South location 907BRI

Sticky Pad Data

Date On	03/09/2010	Date Off	17/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	81	337	0.64	
40	82	314	0.57	
60	81	291	0.64	
80	79	269	0.79	
100	78	246	0.86	
120	77	223	0.93	
140	77	200	0.93	
160	78	177	0.86	
180	77	154	0.93	
200	79	131	0.79	
220	79	109	0.79	
240	80	86	0.71	
260	82	63	0.57	
280	83	40	0.50	
300	82	17	0.57	



Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

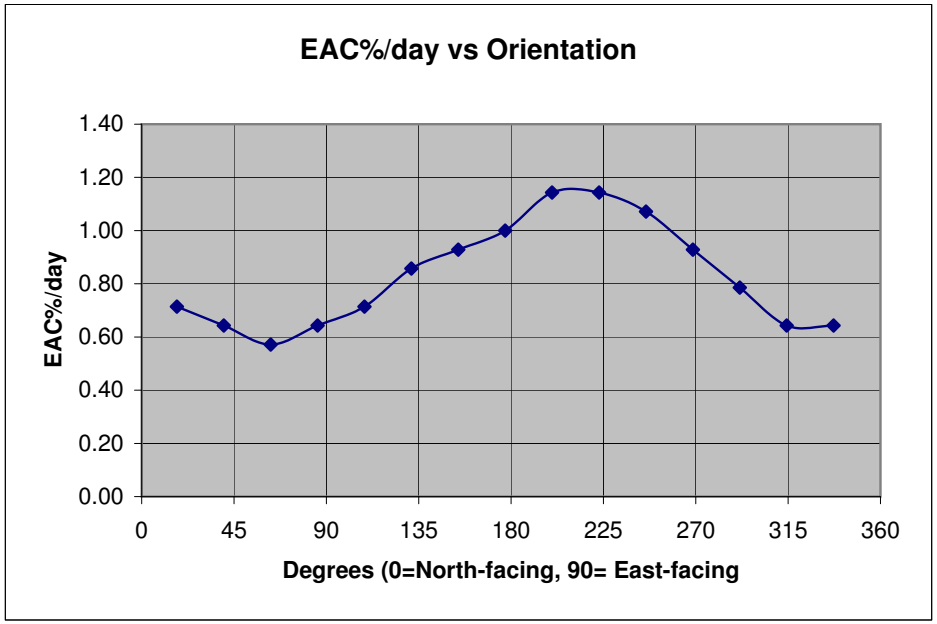
Chemtest **Sticky Pad Data**

Gauge Number - West location 907BRI

Sticky Pad Data

Date On	03/09/2010	Date Off	17/09/2010	Days = 14
Clean =	90			

X Axis mm	Meter	Angle deg	EAC%/day
20	81	337	0.64
40	81	314	0.64
60	79	291	0.79
80	77	269	0.93
100	75	246	1.07
120	74	223	1.14
140	74	200	1.14
160	76	177	1.00
180	77	154	0.93
200	78	131	0.86
220	80	109	0.71
240	81	86	0.64
260	82	63	0.57
280	81	40	0.64
300	80	17	0.71



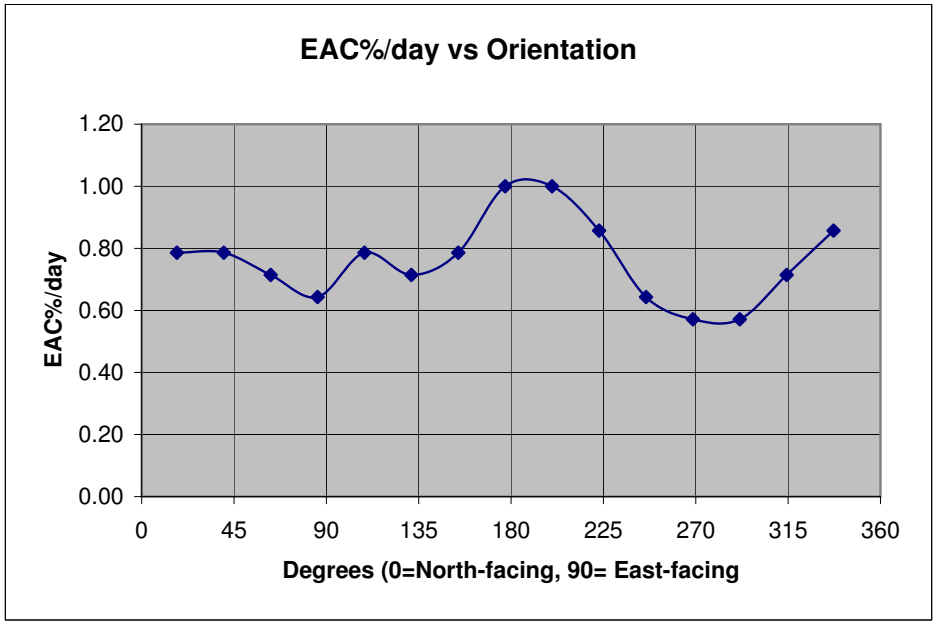
Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Chemtest **Sticky Pad Data**

Gauge Number - East location 907BRI

Sticky Pad Data

Date On	03/09/2010	Date Off	17/09/2010	Days = 14
Clean =	90			
X Axis mm	Meter	Angle deg	EAC%/day	
20	78	337	0.86	
40	80	314	0.71	
60	82	291	0.57	
80	82	269	0.57	
100	81	246	0.64	
120	78	223	0.86	
140	76	200	1.00	
160	76	177	1.00	
180	79	154	0.79	
200	80	131	0.71	
220	79	109	0.79	
240	81	86	0.64	
260	80	63	0.71	
280	79	40	0.79	
300	79	17	0.79	



Note: Cells coloured yellow are inputs.
The rest are either constants or calculated values.
The calculation is based on taking readings at 40mm intervals along the sticky pad.

Appendix E
Groundwater Level Data

Date	BH6/06	S3/4	BH4	P67**	BH19	BH10B/06	BH9	S1/8	BH11*	S2/6	BH1/06	BH3/06	BH8/06	BHB1	BHB2	BHB3	W1 (n)	W2	W3 (s)	Riddy 1	Riddy 2	Riddy 3	Riddy 4
31/08/2010	10.12	10.59	10.834	Blocked	Lost	10.481	10.509	9.834	9.713	10.683	Lost	covered	covered	10.08	Lost	Lost	10.41	10.36	10.39	9.209	9.294	9.550	9.649
01/09/2010	10.14	10.58	10.794	Blocked	Lost	10.521	10.499	9.844	9.723	10.673	Lost	covered	covered	10.03	Lost	Lost	10.4	10.34	10.37	9.199	9.294	9.550	9.649
02/09/2010	10.15	10.58	10.744	Blocked	Lost	10.591	10.499	9.824	9.733	10.643	Lost	covered	covered	10	Lost	Lost	10.39	10.34	10.36	9.199	9.294	9.550	9.649
03/09/2010	10.14	10.58	10.734	Blocked	Lost	10.611	10.489	9.814	9.723	10.623	Lost	covered	covered	9.97	Lost	Lost	10.36	10.3	10.35	9.209	9.304	9.550	9.649
06/09/2010	10.17	10.59	10.704	Blocked	Lost	10.661	10.499	9.824	9.763	10.613	Lost	covered	covered	9.96	Lost	Lost	10.34	10.25	10.33	9.209	9.294	9.550	9.649
07/09/2010	10.27	10.59	10.694	Blocked	Lost	10.731	10.529	9.864	9.753	10.593	Lost	covered	covered	9.93	Lost	Lost	10.33	10.24	10.31	9.209	9.304	9.550	9.649
08/09/2010	10.27	10.6	10.694	Blocked	Lost	10.701	10.499	9.864	9.733	10.603	Lost	covered	covered	9.95	Lost	Lost	10.32	10.24	10.3	9.209	9.294	9.550	9.649
09/09/2010	10.28	10.59	10.684	Blocked	Lost	10.671	10.489	9.854	9.723	10.593	Lost	covered	covered	9.96	Lost	Lost	10.32	10.24	10.3	9.199	9.294	9.550	9.649
10/09/2010	10.29	10.6	10.684	Blocked	Lost	10.661	10.489	9.864	9.693	10.593	Lost	covered	covered	9.98	Lost	Lost	10.3	10.23	10.3	9.199	9.294	9.550	9.649
13/09/2010	10.31	10.6	10.684	Blocked	Lost	10.591	10.489	9.854	9.663	10.603	Lost	covered	covered	9.99	Lost	Lost	10.29	10.23	10.26	9.199	9.294	9.550	9.639
14/09/2010	10.31	10.6	10.674	Blocked	Lost	10.541	10.469	9.854	9.653	10.603	Lost	covered	covered	9.99	Lost	Lost	10.28	10.22	10.25	9.199	9.284	9.540	9.639
15/09/2010	10.32	10.59	10.664	Blocked	Lost	10.541	10.479	9.844	9.653	10.583	Lost	covered	covered	10	Lost	Lost	10.27	10.22	10.26	9.199	9.284	9.540	9.639
16/09/2010	10.32	10.59	10.644	Blocked	Lost	10.521	10.479	9.834	9.653	10.583	Lost	covered	covered	10	Lost	Lost	10.26	10.23	10.26	9.199	9.284	9.540	9.649
17/09/2010	10.31	10.59	10.634	Blocked	Lost	10.511	10.479	9.824	9.653	10.593	Lost	covered	covered	9.99	Lost	Lost	10.27	10.22	10.26	9.199	9.284	9.550	9.639
20/09/2010	10.31	10.58	10.644	Blocked	Lost	10.511	10.469	9.834	9.663	10.573	Lost	covered	covered	9.99	Lost	Lost	10.29	10.25	10.3	9.199	9.294	9.540	9.649
21/09/2010	10.29	10.59	10.614	Blocked	Lost	10.491	10.449	9.804	9.653	10.543	Lost	covered	covered	9.96	Lost	Lost	10.26	10.24	10.27	9.209	9.304	9.550	9.639
22/09/2010	10.26	10.59	10.564	Blocked	Lost	10.471	10.459	9.794	9.663	10.533	Lost	covered	covered	9.94	Lost	Lost	10.26	10.23	10.25	9.199	9.294	9.540	9.649
23/09/2010	10.26	10.58	10.544	Blocked	Lost	10.451	10.459	9.784	9.663	10.513	Lost	covered	covered	9.92	Lost	Lost	10.25	10.21	10.25	9.199	9.294	9.540	9.639
24/09/2010	10.26	10.58	10.514	Blocked	Lost	10.441	10.459	9.784	9.653	10.503	Lost	covered	covered	9.9	Lost	Lost	10.24	10.21	10.24	9.199	9.294	9.550	9.649
27/09/2010	10.24	10.59	10.484	Blocked	Lost	10.421	10.459	Silted up	9.653	10.483	Lost	covered	covered	9.86	Lost	Lost	10.24	10.19	10.22	9.209	9.304	9.550	9.649
28/09/2010	10.24	10.59	10.474	Blocked	Lost	10.421	10.469	Silted up	9.653	10.473	Lost	covered	covered	9.84	Lost	Lost	10.24	10.18	10.23	9.209	9.304	9.550	9.659
29/09/2010	10.23	10.6	10.434	Blocked	Lost	10.421	10.449	Silted up	9.663	10.473	Lost	covered	covered	9.83	Lost	Lost	10.23	10.18	10.22	9.199	9.294	9.550	9.649
30/09/2010	10.1	10.59	10.444	Blocked	Lost	10.421	10.459	Silted up	9.653	10.353	Lost	covered	covered	9.82	Lost	Lost	10.22	10.17	10.21	9.199	9.304	9.550	9.649
01/10/2010	10.11	10.6	10.434	Blocked	Lost	10.411	10.449	Silted up	9.653	10.373	Lost	covered	covered	9.81	Lost	Lost	10.2	10.16	10.2	9.199	9.294	9.550	9.639

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: 214723-1

Date of Report: 12-Oct-2010

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

Customer Contact: The Project Management

Customer Job Reference: 907BRI
Customer Purchase Order: 907BRI
Date Job Received at SAL: 06-Oct-2010
Date Analysis Started: 06-Oct-2010
Date Analysis Completed: 12-Oct-2010

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: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton Suite

					SAL Reference	**214723 001**	**214723 002**	**214723 003**	**214723 004**	**214723 005**	**214723 006**	**214723 007**
					Customer Sample Reference	**BH8/06**	**4/06**	**BH6/06**	**BH4**	**BHB1**	**S2/6**	**BH9**
					Date Sampled	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**01-OCT-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Electrical Conductivity	T7	AR	10	µS/cm		**900**	**1200**	**890**	**1400**	**2100**	**1300**	**3000**
pH	T7	AR				**7.4**	**7.3**	**7.1**	**7.0**	**6.7**	**7.6**	**6.8**

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton Suite

					SAL Reference	**214723 008**	**214723 009**	**214723 010**	**214723 011**	**214723 012**	**214723 013**	**214723 014**
					Customer Sample Reference	**BH11**	**S3/4**	**RIDDY UPSTREAM**	**CAM UPSTREAM**	**RIDDY DOWNSTREAM**	**CAM DOWNSTREAM**	**BH10B/06**
					Date Sampled	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Electrical Conductivity	T7	AR	10	µS/cm		**480**	**4600**	**820**	**790**	**800**	**800**	**1700**
pH	T7	AR				**7.3**	**6.7**	**7.8**	**8.0**	**7.8**	**7.9**	**7.3**

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton OP/ON Suite

					SAL Reference	**214723 001**	**214723 002**	**214723 003**	**214723 004**	**214723 005**	**214723 006**	**214723 007**
					Customer Sample Reference	**BH8/06**	**4/06**	**BH6/06**	**BH4**	**BHB1**	**S2/6**	**BH9**
					Date Sampled	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**01-OCT-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Dimefox	T16	AR	0.1	µg/l		**0.1**	(9) <10	<0.1	(9) <10	(9) <10	(9) <10	<0.1
Ethofumesate	T16	AR	0.1	µg/l		**63**	**3000**	**1.4**	**680**	**1200**	**930**	**23**
Hempa	T16	AR	0.1	µg/l		<0.1	(9) <10	<0.1	(9) <10	(9) <10	(9) <10	<0.1
Schradan	T16	AR	0.1	µg/l		**4.2**	**19**	<0.1	**9.9**	(9) <10	(9) <10	<0.1
Simazine	T16	AR	0.01	µg/l		**2.6**	**7.8**	<0.01	**2.9**	(9) <1.0	**47**	<0.01

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton OP/ON Suite

					SAL Reference	**214723 008**	**214723 009**	**214723 010**	**214723 011**	**214723 012**	**214723 013**	**214723 014**
					Customer Sample Reference	**BH11**	**S3/4**	**RIDDY UPSTREAM**	**CAM UPSTREAM**	**RIDDY DOWNSTREAM**	**CAM DOWNSTREAM**	**BH10B/06**
					Date Sampled	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**
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	(9) <10
Ethofumesate	T16	AR	0.1	µg/l		**2.3**	**1.5**	<0.1	<0.1	<0.1	<0.1	**4300**
Hempa	T16	AR	0.1	µg/l		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	(9) <10
Schradan	T16	AR	0.1	µg/l		<0.1	**47**	<0.1	<0.1	<0.1	<0.1	(9) <10
Simazine	T16	AR	0.01	µg/l		**0.24**	<0.01	<0.01	<0.01	<0.01	<0.01	**750**

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton Phenoxy Acid Herbs Suite

					SAL Reference	**214723 001**	**214723 002**	**214723 003**	**214723 004**	**214723 005**	**214723 006**	**214723 007**
					Customer Sample Reference	**BH8/06**	**4/06**	**BH6/06**	**BH4**	**BHB1**	**S2/6**	**BH9**
					Date Sampled	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**01-OCT-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Dicamba	T16	AR	0.1	µg/l		**0.7**	<0.1	<0.1	**2.8**	**5.1**	**67**	**0.4**
Dichlorprop	T16	AR	0.1	µg/l		**0.3**	**7.2**	<0.1	**4.8**	**10**	**11**	**0.5**
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l		**8.2**	**6.3**	<0.1	<0.1	**3.3**	(9) <1.0	<0.1
Mecoprop	T16	AR	0.1	µg/l		**1.6**	**22**	**0.1**	**88**	**160**	**84**	**140**

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton Phenoxy Acid Herbs Suite

					SAL Reference	**214723 008**	**214723 009**	**214723 010**	**214723 011**	**214723 012**	**214723 013**	**214723 014**
					Customer Sample Reference	**BH11**	**S3/4**	**RIDDY UPSTREAM**	**CAM UPSTREAM**	**RIDDY DOWNSTREAM**	**CAM DOWNSTREAM**	**BH10B/06**
					Date Sampled	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**
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	**31**
Dichlorprop	T16	AR	0.1	µg/l		<0.1	**8.1**	<0.1	<0.1	<0.1	<0.1	**75**
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	(9) <1.0
Mecoprop	T16	AR	0.1	µg/l		**0.8**	**71**	<0.1	<0.1	<0.1	<0.1	**490**

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton SVOC Suite

					SAL Reference	**214723 001**	**214723 002**	**214723 003**	**214723 004**	**214723 005**	**214723 006**	**214723 007**
					Customer Sample Reference	**BH8/06**	**4/06**	**BH6/06**	**BH4**	**BHB1**	**S2/6**	**BH9**
					Date Sampled	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**29-SEP-2010**	**01-OCT-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
2,4,6-Trichlorophenol	T16	AR	10	µg/l		<10	**10**	<10	**10**	<10	**40**	<10
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l		<10	<10	<10	**20**	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	µg/l		<10	**120**	<10	**640**	**1200**	<10	<10
Bis (2-chloroethyl) ether	T16	AR	10	µg/l		<10	**1800**	<10	**150**	**290**	<10	**1200**
Phenol	T16	AR	10	µg/l		(162) <50	(162) <50	(162) <50	(162) <50	(162) <50	(162) <50	(162) <50

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton SVOC Suite

					SAL Reference	**214723 008**	**214723 009**	**214723 010**	**214723 011**	**214723 012**	**214723 013**	**214723 014**
					Customer Sample Reference	**BH11**	**S3/4**	**RIDDY UPSTREAM**	**CAM UPSTREAM**	**RIDDY DOWNSTREAM**	**CAM DOWNSTREAM**	**BH10B/06**
					Date Sampled	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**	**01-OCT-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
2,4,6-Trichlorophenol	T16	AR	10	µg/l		<10	<10	<10	<10	<10	<10	**520**
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l		<10	<10	<10	<10	<10	<10	**90**
4-Chloro-2-methylphenol	T16	AR	10	µg/l		<10	<10	<10	<10	<10	<10	**120**
Bis (2-chloroethyl) ether	T16	AR	10	µg/l		<10	**3600**	<10	<10	<10	<10	**30**
Phenol	T16	AR	10	µg/l		(162) <50	(162) <50	(162) <50	(162) <50	(162) <50	(162) <50	(162) <50

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton VOC Suite

	SAL Reference	214723 001	214723 002	214723 003	214723 004	214723 005	214723 006	214723 007
	Customer Sample Reference	BH8/06	4/06	BH6/06	BH4	BHB1	S2/6	BH9
	Date Sampled	29-SEP-2010	29-SEP-2010	29-SEP-2010	29-SEP-2010	29-SEP-2010	29-SEP-2010	01-OCT-2010
Determinand	**Method** / **Test Sample** / **LOD** / **Units**							
1,2-Dichlorobenzene	T54 / AR / 1 / µg/l	**3**	**33**	<1	**2**	**2**	<1	<1
1,2-Dichloroethane	T54 / AR / 1 / µg/l	(13) <1	(13) <1	(13) <1	**(13) 7**	**(13) 16**	(13) <1	(13) <1
Cis-1,2-Dichloroethylene	T54 / AR / 1 / µg/l	<1	<1	<1	**570**	**1100**	<1	**3**
Cyclohexanone	T54 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethylene	T54 / AR / 1 / µg/l	**29**	<1	**2**	**9**	**5**	**10**	<1
Toluene	T54 / AR / 1 / µg/l	<1	**(19) 16000**	**1**	**17**	**27**	**14**	<1
Trichloroethylene	T54 / AR / 1 / µg/l	**3**	<1	<1	<1	**6**	**5**	<1
Vinyl chloride	T54 / AR / 1 / µg/l	<1	<1	<1	**110**	**370**	<1	**1**
Xylene (Total)	T54 / AR / 1 / µg/l	**2**	**(19) 1100**	<1	**56**	**530**	<1	<1

SAL Reference: 214723
Customer Reference: 907BRI

Water Analysed as Water
Vertase Hauxton VOC Suite

	SAL Reference	214723 008	214723 009	214723 010	214723 011	214723 012	214723 013	214723 014
	Customer Sample Reference	BH11	S3/4	RIDDY UPSTREAM	CAM UPSTREAM	RIDDY DOWNSTREAM	CAM DOWNSTREAM	BH10B/06
	Date Sampled	01-OCT-2010	01-OCT-2010	01-OCT-2010	01-OCT-2010	01-OCT-2010	01-OCT-2010	01-OCT-2010
Determinand	**Method** / **Test Sample** / **LOD** / **Units**							
1,2-Dichlorobenzene	T54 / AR / 1 / µg/l	<1	<1	<1	<1	<1	<1	**2**
1,2-Dichloroethane	T54 / AR / 1 / µg/l	(13) <1	(13) <1	(13) <1	(13) <1	(13) <1	(13) <1	(13) <1
Cis-1,2-Dichloroethylene	T54 / AR / 1 / µg/l	<1	<1	<1	<1	**3**	<1	**75**
Cyclohexanone	T54 / AR / 10 / µg/l	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethylene	T54 / AR / 1 / µg/l	<1	<1	**2**	**2**	**2**	**2**	**15**
Toluene	T54 / AR / 1 / µg/l	<1	**63**	<1	<1	<1	<1	**7**
Trichloroethylene	T54 / AR / 1 / µg/l	<1	<1	<1	<1	**3**	<1	**14**
Vinyl chloride	T54 / AR / 1 / µg/l	<1	<1	<1	<1	<1	<1	**17**
Xylene (Total)	T54 / AR / 1 / µg/l	<1	**63**	<1	<1	<1	<1	**2**

Index to symbols used in 214723-1

Value	Description
AR	As Received
9	LOD raised due to dilution of sample
19	Due to high levels the analysis was conducted on a diluted sample
13	Results have been blank corrected.
162	LOD determined by matrix spike recovery
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

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

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	µS/cm	N	001-014
pH	T7	AR			U	001-014
Dimefox	T16	AR	0.1	µg/l	N	001-014
Ethofumesate	T16	AR	0.1	µg/l	N	001-014

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Hempa	T16	AR	0.1	µg/l	N	001-014
Schradan	T16	AR	0.1	µg/l	N	001-014
Simazine	T16	AR	0.01	µg/l	N	001-014
Dicamba	T16	AR	0.1	µg/l	N	001-014
Dichlorprop	T16	AR	0.1	µg/l	N	001-014
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	N	001-014
Mecoprop	T16	AR	0.1	µg/l	N	001-014
2,4,6-Trichlorophenol	T16	AR	10	µg/l	U	001-014
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	N	001-014
4-Chloro-2-methylphenol	T16	AR	10	µg/l	N	001-014
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	U	001-014
Phenol	T16	AR	10	µg/l	U	001-014
1,2-Dichlorobenzene	T54	AR	1	µg/l	U	001-014
1,2-Dichloroethane	T54	AR	1	µg/l	U	001-014
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	U	001-014
Cyclohexanone	T54	AR	10	µg/l	N	001-014
Tetrachloroethylene	T54	AR	1	µg/l	U	001-014
Toluene	T54	AR	1	µg/l	U	001-014
Trichloroethylene	T54	AR	1	µg/l	U	001-014
Vinyl chloride	T54	AR	1	µg/l	U	001-014
Xylene (Total)	T54	AR	1	µg/l	U	001-014

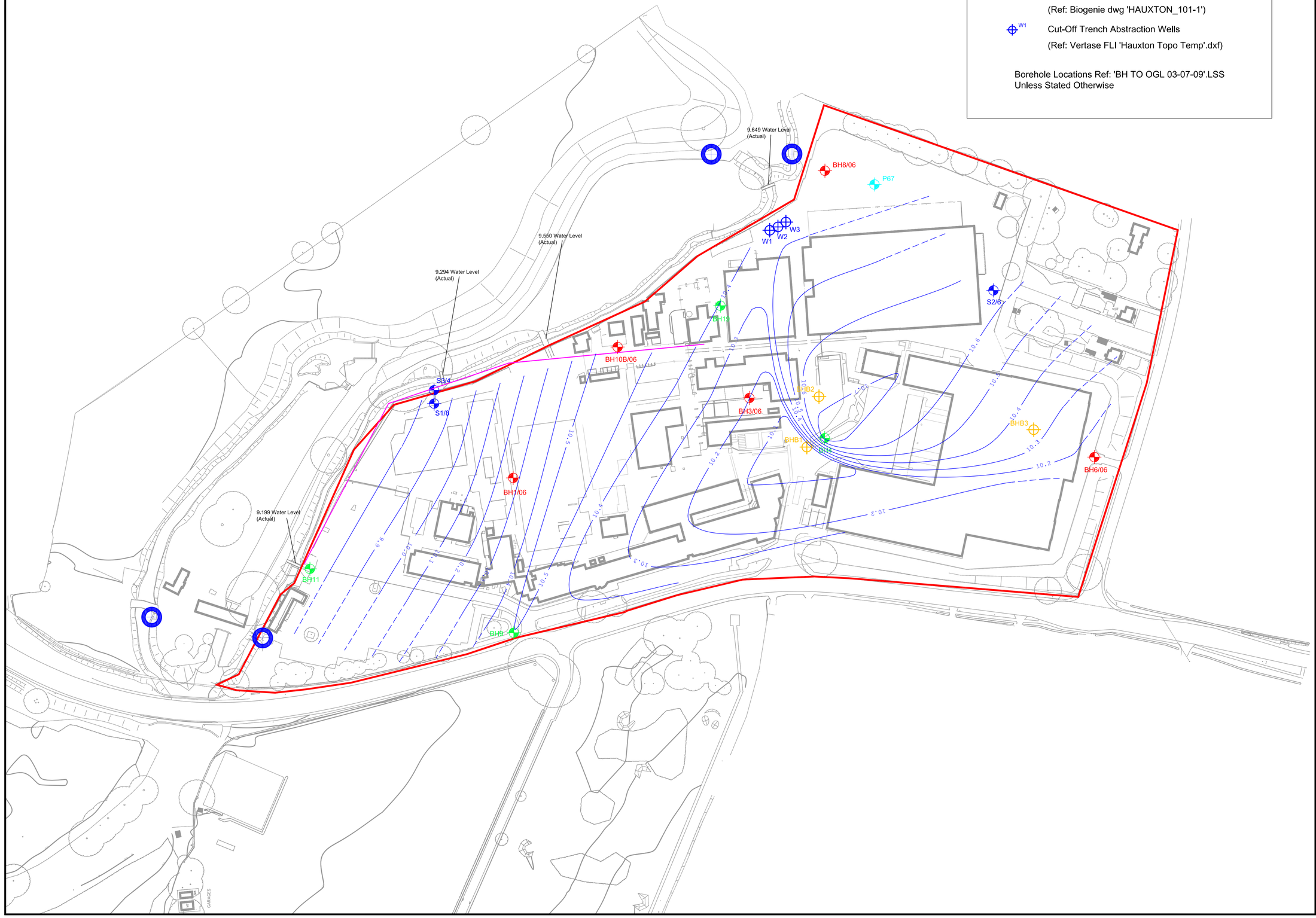
Appendix G
Groundwater Contour Plots

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)

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



Rev.	Description	Revised By	Date
	FIRST ISSUE		22-09-10

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

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

Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 02-09-10

Client: Harrow Estates

Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_104	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)

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

9.649 Water Level (Actual)
9.550 Water Level (Actual)
9.294 Water Level (Actual)
9.199 Water Level (Actual)
BH8/06
P67
W1
W2
W3
S2/6
BH12
BH10B/06
S3/4
S1/8
BH3/06
BHB2
BHB3
BH6/06
BH1/06
BH11
BH9
GARAGES

Rev.	Description	Revised By	Date
	FIRST ISSUE		07-10-10

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

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

Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 09-09-10

Client: Harrow Estates

Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_105	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)

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

9.649 Water Level (Actual)
9.540 Water Level (Actual)
9.284 Water Level (Actual)
9.199 Water Level (Actual)
BH8/06
P67
W1
W2
W3
S2/6
BH10B/06
S3/4
S1/8
BH3/06
BHB2
BHB1
BH4
BHB3
BH6/06
BH1/06
BH11
BH9
GARAGES

Rev.	Description	Revised By	Date
	FIRST ISSUE		07-10-10

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- Hertford Office: Tel: 01992 535757 Fax: 01992 535858
- Manchester Office: Tel: 01614 372708 Fax: 01614 376300

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

Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 16-09-10

Client: Harrow Estates

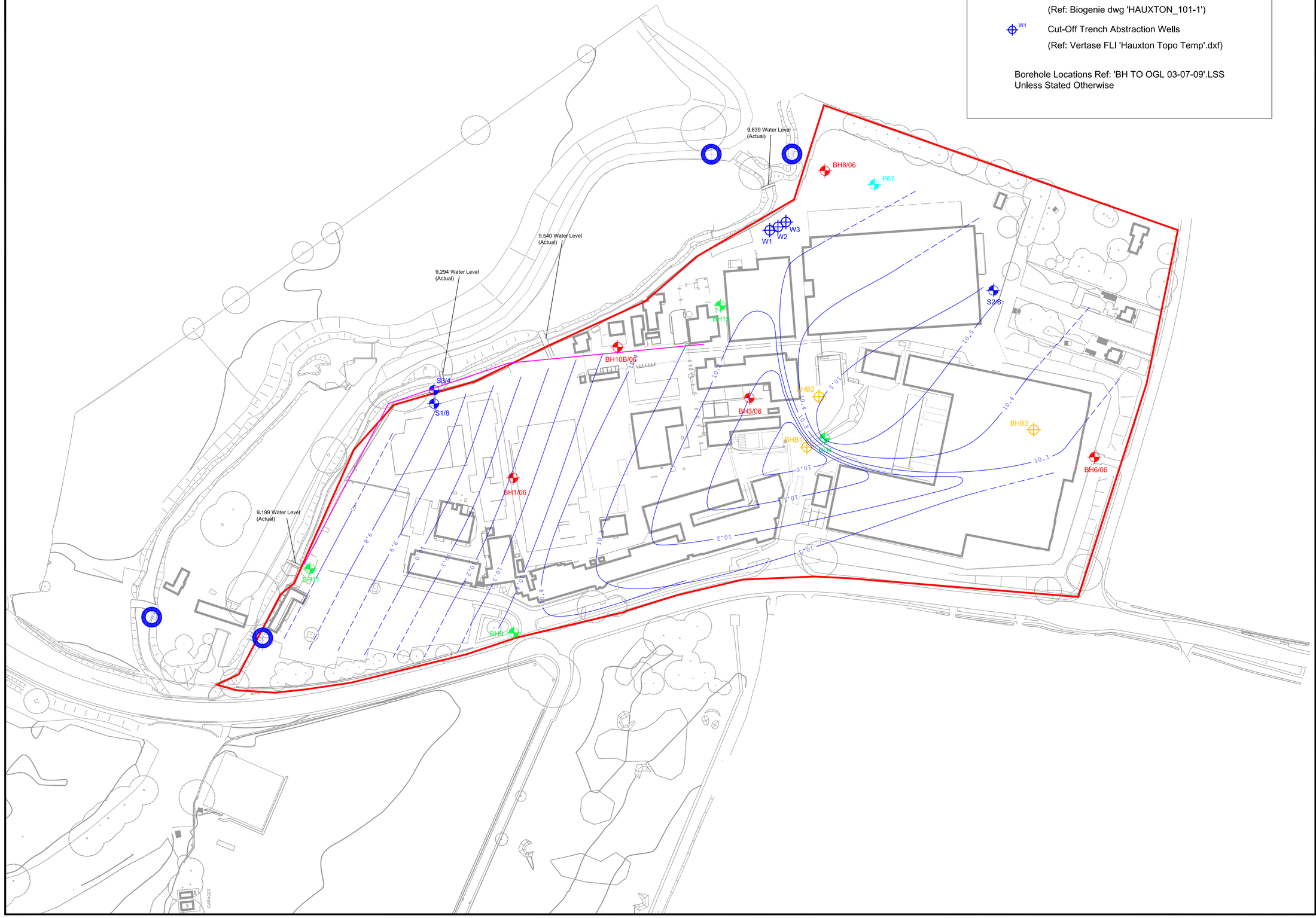
Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_106	Contract: 907 BRI	Scale: 1:1000

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)

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



Rev.	Description	Revised By	Date
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- Manchester Office: Tel: 01614 372708 Fax: 01614 376300

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

Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 23-09-10

Client: Harrow Estates

Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_107	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)

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

9.649 Water Level (Actual)
9.550 Water Level (Actual)
9.304 Water Level (Actual)
9.199 Water Level (Actual)

BH8/06 P67 W1 W2 W3 S2/6 BH12 BH10B/06 S3/4 S1/8 BHB2 BH3/06 BHB3 BHB1 BH8 BH6/06 BH1/06 BH11 BH9

GARAGES

Rev.	Description	Revised By	Date
	FIRST ISSUE		07-10-10

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- Sheffield Office: Tel: 01246 813289 Fax: 01246 812963
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email: info@vertasefli.co.uk
www.vertasefli.com

Site Address:
Bayer Site
Hauxton
Cambridge

Rev:

Title: Ground Water Contours 30-09-10

Client: Harrow Estates

Drawn: MRG	Checked: MA	Approved: MA
Dwg: D907_108	Contract: 907 BRI	Scale: 1:1000

Appendix H

Waste Water Treatment Plant Discharge Analysis

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: 211356-1

Date of Report: 09-Sep-2010

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

Customer Contact: The Project Management

Customer Job Reference: 907BRI WWTW
Customer Purchase Order: 907BRI WWTW
Date Job Received at SAL: 02-Sep-2010
Date Analysis Started: 03-Sep-2010
Date Analysis Completed: 09-Sep-2010

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: 211356
Customer Reference: 907BRI WWTW

Water Analysed as Water
Miscellaneous

					SAL Reference	211356 001	211356 002
					Customer Sample Reference	WWTW PRIMARY B	WWTW DISCHARGE
					Date Sampled	26-AUG-2010	26-AUG-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Ammoniacal nitrogen	T4	AR	50	µg/l		**80**	<50
Biochemical Oxygen Demand	T7	AR	3000	µg/l		**6400**	**5000**
pH	T7	AR				**8.1**	**8.1**

SAL Reference: 211356
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite A

					SAL Reference	211356 001	211356 002
					Customer Sample Reference	WWTW PRIMARY B	WWTW DISCHARGE
					Date Sampled	26-AUG-2010	26-AUG-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Atrazine	T16	AR	0.01	µg/l		<0.01	<0.01
Trietazine	T16	AR	0.01	µg/l		<0.01	<0.01

SAL Reference: 211356
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite B

					SAL Reference	211356 001	211356 002
					Customer Sample Reference	WWTW PRIMARY B	WWTW DISCHARGE
					Date Sampled	26-AUG-2010	26-AUG-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benazolin	T16	AR	0.1	µg/l		<0.1	<0.1
2,3,6-TCB	T16	AR	0.1	µg/l		**4.4**	<0.1

SAL Reference: 211356
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite C

					SAL Reference	211356 001	211356 002
					Customer Sample Reference	WWTW PRIMARY B	WWTW DISCHARGE
					Date Sampled	26-AUG-2010	26-AUG-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Bromide	T253	AR	100	µg/l		**2800**	**2600**
Chloride	T253	AR	200	µg/l		**180000**	**180000**
Sulphate ion	T253	AR	100	µg/l		**280000**	**280000**
Suspended Solids (Total)	T2	AR	10000	µg/l		<10000	<10000

SAL Reference: 211356
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite D

	SAL Reference	211356 001	211356 002
	Customer Sample Reference	WWTW PRIMARY B	WWTW DISCHARGE
	Date Sampled	26-AUG-2010	26-AUG-2010

Determinand	Method	Test Sample	LOD	Units		
Dicamba	T16	AR	0.1	µg/l	<0.1	<0.1
Hempa	T16	AR	0.1	µg/l	**18**	**2.9**
Schradan	T16	AR	0.1	µg/l	**4.2**	<0.1
Simazine	T16	AR	0.01	µg/l	<0.01	<0.01

SAL Reference: 211356
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite E

	SAL Reference	211356 001	211356 002
	Customer Sample Reference	WWTW PRIMARY B	WWTW DISCHARGE
	Date Sampled	26-AUG-2010	26-AUG-2010

Determinand	Method	Test Sample	LOD	Units		
TVC at 22°C after 3 days	T34	AR	10	cfu/ml	> **10000**	> **10000**
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	> **10000**	> **10000**

Index to symbols used in 211356-1

Value	Description
AR	As Received
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
T253	IC(EID299)
T2	Grav
T7	Probe
T16	GC/MS
T34	Micro

Accreditation Summary

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

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Simazine	T16	AR	0.01	µg/l	N	001-002
TVC at 22°C after 3 days	T34	AR	10	cfu/ml	SN	001-002
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	SN	001-002

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	6.60	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	<1.0	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	<1.0	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	<1.0	160.00	340.00	35.00	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	0.6

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Scientific Analysis Laboratories

Certificate of Analysis

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

Report Number: 212901-1

Date of Report: 29-Sep-2010

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: 17-Sep-2010
Date Analysis Started: 17-Sep-2010
Date Analysis Completed: 29-Sep-2010

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

UKAS TESTING
1549

Report checked and authorised by :
Amelia McVennon
Project Manager

Issued by :
Amelia McVennon
Project Manager

SAL Reference: 212901
Customer Reference: 907 BRI

Water Analysed as Water
New Group

SAL Reference	**212901 001**	**212901 002**
Customer Sample Reference	**WWTW DISCHARGE**	**WWTW PRIMARY B**
Date Sampled	**10-SEP-2010**	**10-SEP-2010**

Determinand	Method	Test Sample	LOD	Units		
Sample Disposal	T41	AR			-	-

SAL Reference: 212901
Customer Reference: 907 BRI

Water Analysed as Water
Miscellaneous

SAL Reference	**212901 001**	**212901 002**
Customer Sample Reference	**WWTW DISCHARGE**	**WWTW PRIMARY B**
Date Sampled	**10-SEP-2010**	**10-SEP-2010**

Determinand	Method	Test Sample	LOD	Units		
Ammoniacal nitrogen	T4	AR	50	µg/l	**80**	**50**
Biochemical Oxygen Demand	T7	AR	3000	µg/l	<3000	<3000
pH	T7	AR			**7.9**	**8.1**

SAL Reference: 212901
Customer Reference: 907 BRI

Water Analysed as Water
Suite A

SAL Reference	**212901 001**	**212901 002**
Customer Sample Reference	**WWTW DISCHARGE**	**WWTW PRIMARY B**
Date Sampled	**10-SEP-2010**	**10-SEP-2010**

Determinand	Method	Test Sample	LOD	Units		
Atrazine	T16	AR	0.01	µg/l	<0.01	<0.01
Trietazine	T16	AR	0.01	µg/l	<0.01	**0.33**

SAL Reference: 212901
Customer Reference: 907 BRI

Water Analysed as Water
Suite B

SAL Reference	**212901 001**	**212901 002**
Customer Sample Reference	**WWTW DISCHARGE**	**WWTW PRIMARY B**
Date Sampled	**10-SEP-2010**	**10-SEP-2010**

Determinand	Method	Test Sample	LOD	Units		
Benazolin	T16	AR	0.1	µg/l	<0.1	**1.1**
2,3,6-TCB	T16	AR	0.1	µg/l	<0.1	**33**

SAL Reference: 212901
Customer Reference: 907 BRI

Water Analysed as Water
Suite C

SAL Reference	**212901 001**	**212901 002**
Customer Sample Reference	**WWTW DISCHARGE**	**WWTW PRIMARY B**
Date Sampled	**10-SEP-2010**	**10-SEP-2010**

Determinand	Method	Test Sample	LOD	Units		
Bromide	T253	AR	100	µg/l	[9] <1000	[9] <1000
Chloride	T253	AR	200	µg/l	**86000**	**85000**
Sulphate ion	T253	AR	100	µg/l	**170000**	**160000**
Suspended Solids (Total)	T2	AR	10000	µg/l	<10000	<10000

SAL Reference: 212901
Customer Reference: 907 BRI

Water Analysed as Water
Suite D

	SAL Reference	212901 001	212901 002
	Customer Sample Reference	WWTW DISCHARGE	WWTW PRIMARY B
	Date Sampled	10-SEP-2010	10-SEP-2010

Determinand	Method	Test Sample	LOD	Units		
Dicamba	T16	AR	0.1	µg/l	<0.1	**0.4**
Hempa	T16	AR	0.1	µg/l	**24**	**22**
Schradan	T16	AR	0.1	µg/l	**3.5**	**20**
Simazine	T16	AR	0.01	µg/l	<0.01	<0.01

SAL Reference: 212901
Customer Reference: 907 BRI

Water Analysed as Water
Suite E

	SAL Reference	212901 001	212901 002
	Customer Sample Reference	WWTW DISCHARGE	WWTW PRIMARY B
	Date Sampled	10-SEP-2010	10-SEP-2010

Determinand	Method	Test Sample	LOD	Units		
TVC at 22°C after 3 days	T34	AR	10	cfu/ml	> **10000**	**3500**
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	**6300**	**3100**

Index to symbols used in 212901-1

Value	Description
AR	As Received
9	LOD raised due to dilution of sample
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T34	Micro
T7	Probe
T16	GC/MS
T41	N/A
T4	Colorimetry
T253	IC(EID299)
T2	Grav

Accreditation Summary

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

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Simazine	T16	AR	0.01	µg/l	N	001-002
TVC at 22°C after 3 days	T34	AR	10	cfu/ml	SN	001-002
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	SN	001-002
Sample Disposal	T41	AR			N	001-002

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Scientific Analysis Laboratories

Certificate of Analysis

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

Report Number: 213745-1

Date of Report: 04-Oct-2010

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

Customer Contact: The Project Management

Customer Job Reference: 907BRI WWTW
Date Job Received at SAL: 27-Sep-2010
Date Analysis Started: 27-Sep-2010
Date Analysis Completed: 04-Oct-2010

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Report checked and authorised by :
Amelia McVennon
Project Manager

Issued by :
Amelia McVennon
Project Manager

SAL Reference: 213745
Customer Reference: 907BRI WWTW

Water Analysed as Water
Miscellaneous

					SAL Reference	213745 001	213745 002
					Customer Sample Reference	WWTW Discharge	WWTW Primary B
					Date Sampled	23-SEP-2010	23-SEP-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Ammoniacal nitrogen	T4	AR	50	µg/l		<50	<50
Biochemical Oxygen Demand	T7	AR	3000	µg/l		<3000	<3000
pH	T7	AR				**8.0**	**8.1**

SAL Reference: 213745
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite A

					SAL Reference	213745 001	213745 002
					Customer Sample Reference	WWTW Discharge	WWTW Primary B
					Date Sampled	23-SEP-2010	23-SEP-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Atrazine	T16	AR	0.01	µg/l		<0.01	<0.01
Trietazine	T16	AR	0.01	µg/l		<0.01	**0.30**

SAL Reference: 213745
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite B

					SAL Reference	213745 001	213745 002
					Customer Sample Reference	WWTW Discharge	WWTW Primary B
					Date Sampled	23-SEP-2010	23-SEP-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benazolin	T16	AR	0.1	µg/l		<0.1	**2.7**
2,3,6-TCB	T16	AR	0.1	µg/l		<0.1	**26**

SAL Reference: 213745
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite C

					SAL Reference	213745 001	213745 002
					Customer Sample Reference	WWTW Discharge	WWTW Primary B
					Date Sampled	23-SEP-2010	23-SEP-2010
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Bromide	T253	AR	100	µg/l		[9] <1000	[9] <1000
Chloride	T253	AR	200	µg/l		**160000**	**160000**
Sulphate ion	T253	AR	100	µg/l		**340000**	**340000**
Suspended Solids (Total)	T2	AR	10000	µg/l		**35000**	<10000

SAL Reference: 213745
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite D

				SAL Reference	**213745 001**	**213745 002**
				Customer Sample Reference	**WWTW Discharge**	**WWTW Primary B**
				Date Sampled	**23-SEP-2010**	**23-SEP-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
Dicamba	T16	AR	0.1	µg/l	<0.1	**0.7**
Hempa	T16	AR	0.1	µg/l	**24**	**29**
Schradan	T16	AR	0.1	µg/l	**0.6**	**17**
Simazine	T16	AR	0.01	µg/l	<0.01	<0.01

SAL Reference: 213745
Customer Reference: 907BRI WWTW

Water Analysed as Water
Suite E

				SAL Reference	**213745 001**	**213745 002**
				Customer Sample Reference	**WWTW Discharge**	**WWTW Primary B**
				Date Sampled	**23-SEP-2010**	**23-SEP-2010**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**		
TVC at 22°C after 3 days	T34	AR	10	cfu/ml	**6600**	**34**
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	**290**	**110**

Index to symbols used in 213745-1

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

Accreditation Summary

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

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
TVC at 22°C after 3 days	T34	AR	10	cfu/ml	SN	001-002
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	SN	001-002

Appendix I
Soil Characterisation Results Summary

Results Received	Reported to SCDC	Grid square	Contaminant	Concentration (µg/kg)	Likely use/origin
12.04.2010	06.05.2010	K15	VOC/SVOC peaks detected		
12.04.2010	06.05.2010	K16	Series of Aromatic Hydrocarbons circa C_{13}-C_{16}	17,000	Potential herbicide degradation products. The structrues 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 structrues 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 structrues 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 structrues 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		
			2,4-Dichloro-o-cresol	29,000	

13.05.2010	24.05.2010 (09.06.2010)	I9	2,3,6-Trichlorotoluene	47,000	Potential herbicide degradation product
			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.
			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

21.07.2010	22.07.2010	J10	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	