











# **Environmental Monitoring Report**

Reporting Period 28/02/2011-03/04/2011

Former Bayer Crop Science Site Hauxton Cambridgeshire

8<sup>th</sup> April 2011

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## **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 5<sup>th</sup> February 2010.

The time period that this report represents is from the 28<sup>th</sup> of February 2011, until the 3<sup>rd</sup> of April 2011.

#### 1.2. The site

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

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

#### 1.3. Remediation Brief and Philosophy

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



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

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

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



## 2.0 Monthly Progress

#### Week 51. Week Commencing 28<sup>th</sup> February 2011

Excavation of contaminated materials continued in grid squares J5, J6 and H6 removing contaminated Gault Clay to approximately 5m below ground level with treatment beds being created in the east of the site. Turning of treatment beds was undertaken on a number of beds and spent mushroom compost was added to a number of treatment beds to assist the biological processes within the treatment bed. Madeground contaminated by bonded asbestos materials were hauled from site under controlled conditions and disposed of at a suitable off site waste disposal facility, in total ten wagon loads of left the site. Relocating of existing treatment beds and stockpiles was undertaken to create further space for newly created treatment beds.

#### Week 52. Week Commencing 7<sup>th</sup> March 2011

No excavation undertaken due to wind direction predominantly towards adjacent residential areas. Turning of treatment beds was undertaken on a number of beds and spent mushroom compost was added to a number of treatment beds to assist in the stimulation of the biological process within the treatment bed. The force ventilation vapour extraction plant was extended to increase its capacity to treat highly odorous treatment beds. Non reusable materials comprising of plastics and wood were hauled from site under controlled conditions and disposed of at a suitable off site waste facility, in total six wagon loads of left the site.

#### Week 53. Week Commencing 14<sup>th</sup> March 2011

No excavation undertaken. Turning of treatment beds was undertaken on a number of beds and spent mushroom compost was added to a number of treatment beds to assist in the stimulation of the biological process within the treatment bed. Uncontaminated tarmac planings were hauled from site recycled and reused at an approved off site location, in total thirty seven wagon loads of left the site. Further treatment beds that require force ventilation vapour extraction treatment were relocated to the force ventilation area, fitted with the pipe work and commissioned for treatment, these works were halted in unfavourable weather conditions to prevent potential site odours affecting local residents.



#### Week 54. Week Commencing 21<sup>st</sup> March 2011

Excavation of contaminated materials undertaken in to grid squares J6, H6, I6 and J5 removing contaminated Gault Clay with treatment beds being created in the east of the site. Turning of treatment beds was undertaken on a number of beds to assist in the biodegradation of the contaminants within the treatment bed. Further treatment beds that require force ventilation vapour extraction treatment were relocated to the force ventilation area, fitted with the pipe work and commissioned for treatment. Relocating of existing treatment beds and stockpiles was undertaken to create space for validation and backfilling.

#### Week 55. Week Commencing 28<sup>th</sup> March 2011

No excavation undertaken. Turning of treatment beds undertaken on a number of beds and spent mushroom compost was added to a number of treatment beds to assist in the stimulation of the biological process within the treatment bed. Turning force ventilation treatment beds to increase vapour extraction potential. Relocating of existing treatment beds and stockpiles was undertaken to create space for validation and backfilling.



## 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 22<sup>nd</sup> 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.

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

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

The results for the long term passive VOC monitoring carried out between 17/02/2011 and 17/03/2011 are reported in appendix C. The analysis undertaken for this monitoring period indicates that the majority of the VOC's detected are around the baseline, except for Tetrachloroethene, Toluene which is on occasion slightly raised above the baseline values but are well below the levels considered to be within acceptable limits for published criteria.

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

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



#### 3.2. Dust Fibre and Particulate Emission

Both real time dust measurement and long term dust deposition monitoring has been undertaken around the site boundary at six compass point locations, north, east, south, west with two monitoring positions in the northeast (drawing D907\_30C, Appendix A).

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

Dust particle measurements at each monitoring location have varied, with the higher dust readings being generally at the locations adjacent to the heavily trafficked Cambridge Road (A10). The average Total Suspended Particulates (TSP) reading around the site is 181.60µg/m<sup>3</sup>, the average PM10 dust reading around the site is 108.01µg/m<sup>3</sup>. 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 22/02/2011 to 07/03/2011 (6 locations monitored) recorded a maximum dust deposition rate was 0.31%EAC at the north monitoring location. All other locations had a maximum dust deposition rate of 0.23%EAC, or less.



Dust monitoring undertaken from the 07/03/2011 to 21/03/2011 (6 locations monitored) recorded a maximum dust deposition rate was 0.46%EAC at the northeast 2 monitoring location. All other locations had a maximum dust deposition rate of 0.38%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 22<sup>nd</sup> 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 61dB. Exceedance's of the 80dB threshold (stipulated in the Environmental Permit deployment document) have been recorded during the monitoring period, however traffic along the A10 has been identified as the source of the slightly elevated noise levels. Data is recorded in the environmental monitoring data spreadsheet, Appendix B.

#### 3.5. Litter

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



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



## 4.0 Surface and Ground Water Condition

#### 4.1. Surface Water Monitoring

As part of the environmental monitoring programme, the Riddy Brook located to the east of the site (Drawing D907\_33C, Appendix A) is inspected daily as a minimum at two locations up and down stream for general observations, on any discolouration, sedimentation etc. The observations are recorded on the Environmental Monitoring Data (Appendix B). Throughout the monitoring period there have been no visual signs that the remediation works on site are having any impact on the Riddy Brook.

The water level within the Riddy Brook is monitored and recorded on a daily basis at a minimum of two locations, footbridge adjacent to Mill House (Riddy 1) and the most southerly footbridge over the Riddy Brook, adjacent to the eastern corner of the site (Riddy 4). Two further locations are also monitored, Riddy 2 at the footbridge over the Riddy Brook approximately 150m southeast of Mill House and the former fire exit bridge (Riddy 3), 210m southeast of Mill House. All the water level data is recorded in the main groundwater level data sheet in Appendix E. During the monitoring period there have not been any significant changes in levels along the Riddy Brook.

#### 4.2. Surface Water Sampling and Analysis

Upstream and downstream water samples from both the River Cam (Granta) and the Riddy Brook are taken on a monthly basis. The results for samples taken on 31<sup>st</sup> March 2011 and are pending and will be presented in a supplemental report.

#### 4.3. Groundwater Level Monitoring

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



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

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

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

The groundwater levels measured at locations around the site are shown in drawing D907\_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\_155, D907\_156, D907\_157, D907\_158 and D907\_159 (Appendix G) illustrate the weekly groundwater levels for the reported period.

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

There has been no recharge of groundwater in the central and northern part of the site where the main excavations have taken place, the base of excavations on site are approximately at 10.00mAOD and remain free of groundwater. There has not been any change to the pumping regime in this part of the site during the monitoring period.

#### 4.4. Groundwater Sampling and Analysis

Groundwater samples from 11 monitoring locations on site are taken on a monthly basis. The results for samples taken on 31<sup>st</sup> March 2011 are pending and will be presented in a supplemental report.



### 5.0 Waste Water Treatment Plant

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

The WWTP has been previously operated (until the 15<sup>th</sup> 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.

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## 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 03/04/2011, eighty three characterisation samples have been taken by Vertase FLI in partnership with Atkins to assess the contamination type and concentrations prior to remediation of the materials. Thirty Seven characterisation samples analysed contained a total of twenty three compounds / potential contaminants that had not been previously identified.

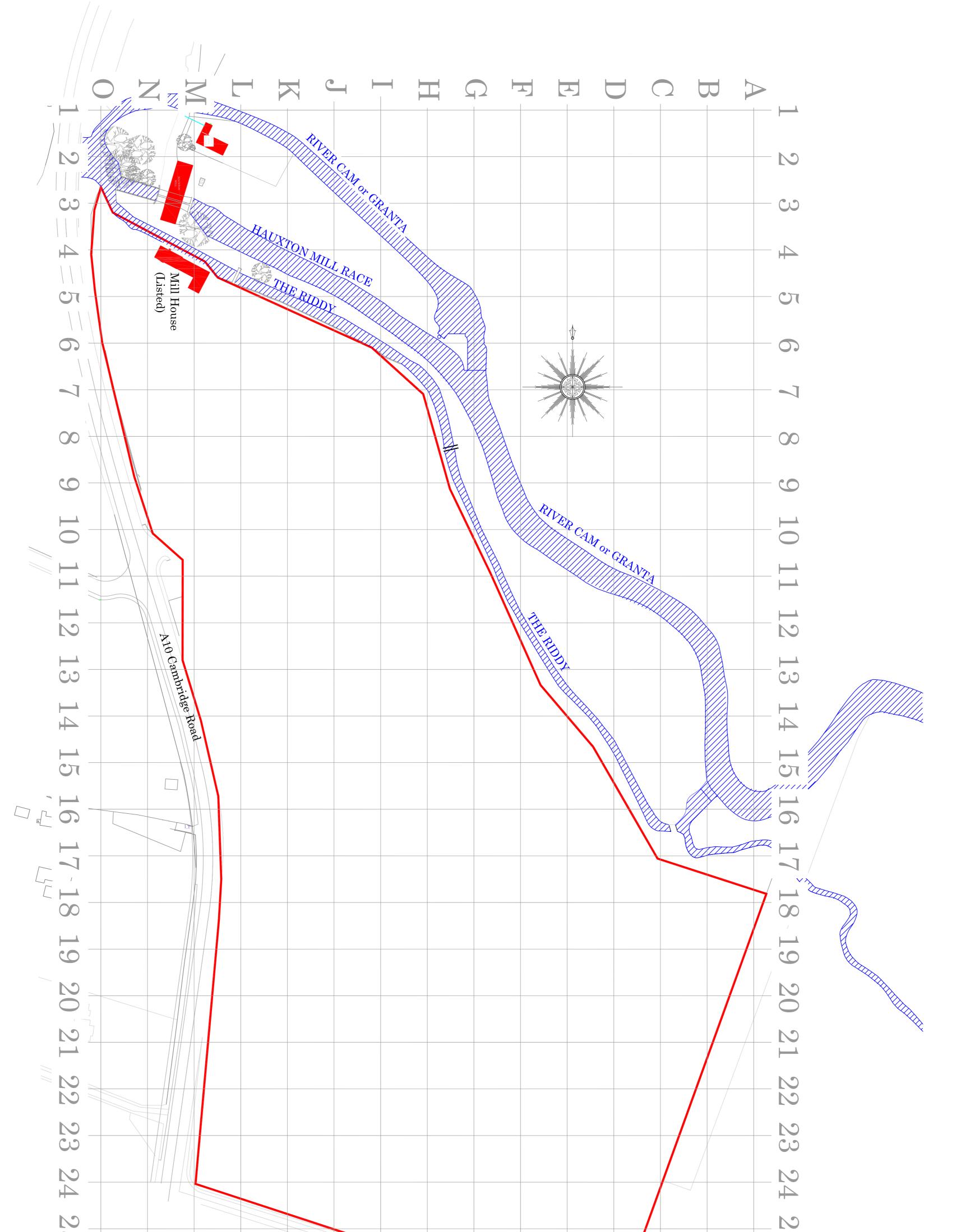
A summary table of the soil characterisation testing is presented in Appendix I, the previously unidentified compounds are listed here, with comments regarding the origin and likely usage on site.

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.

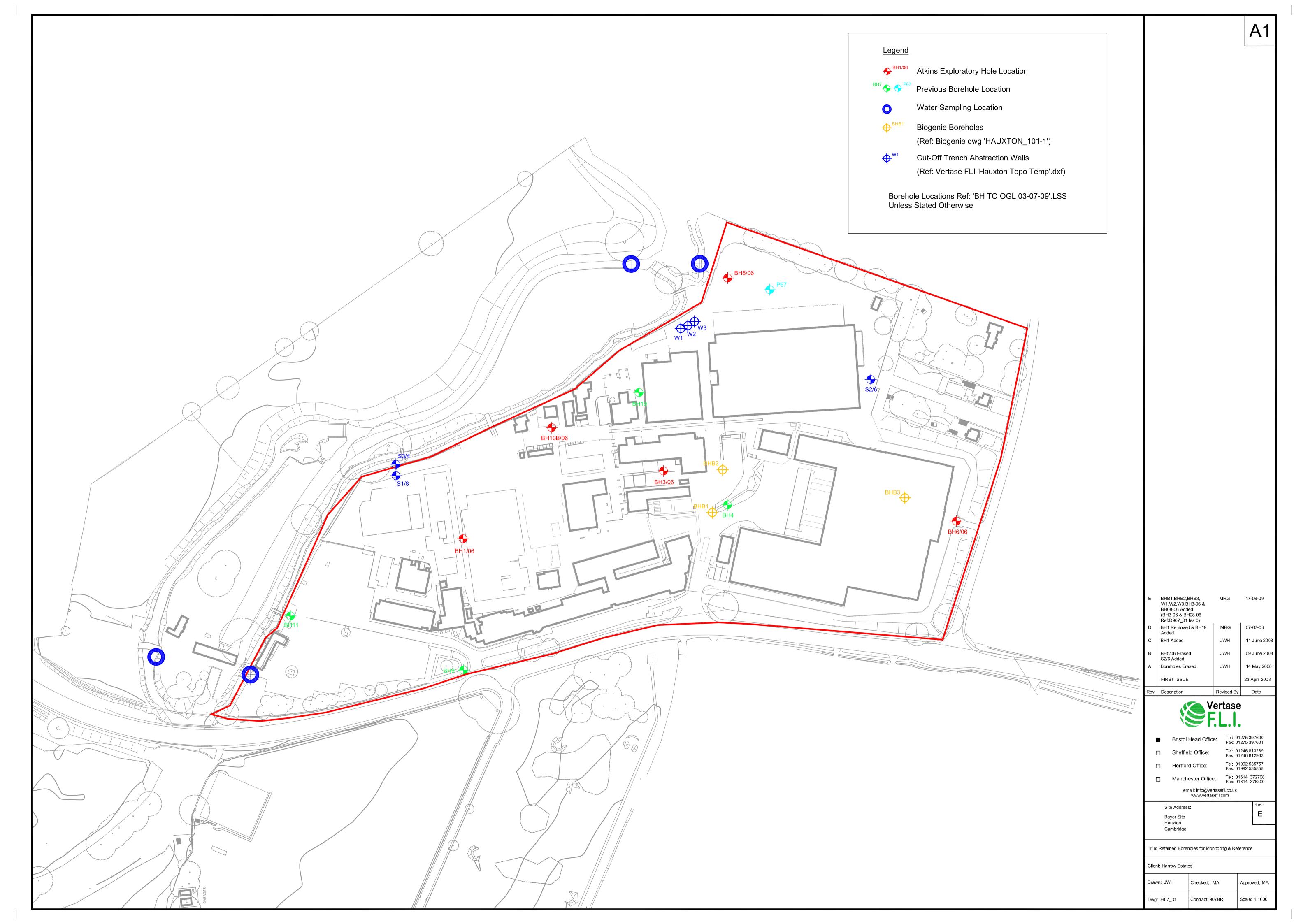


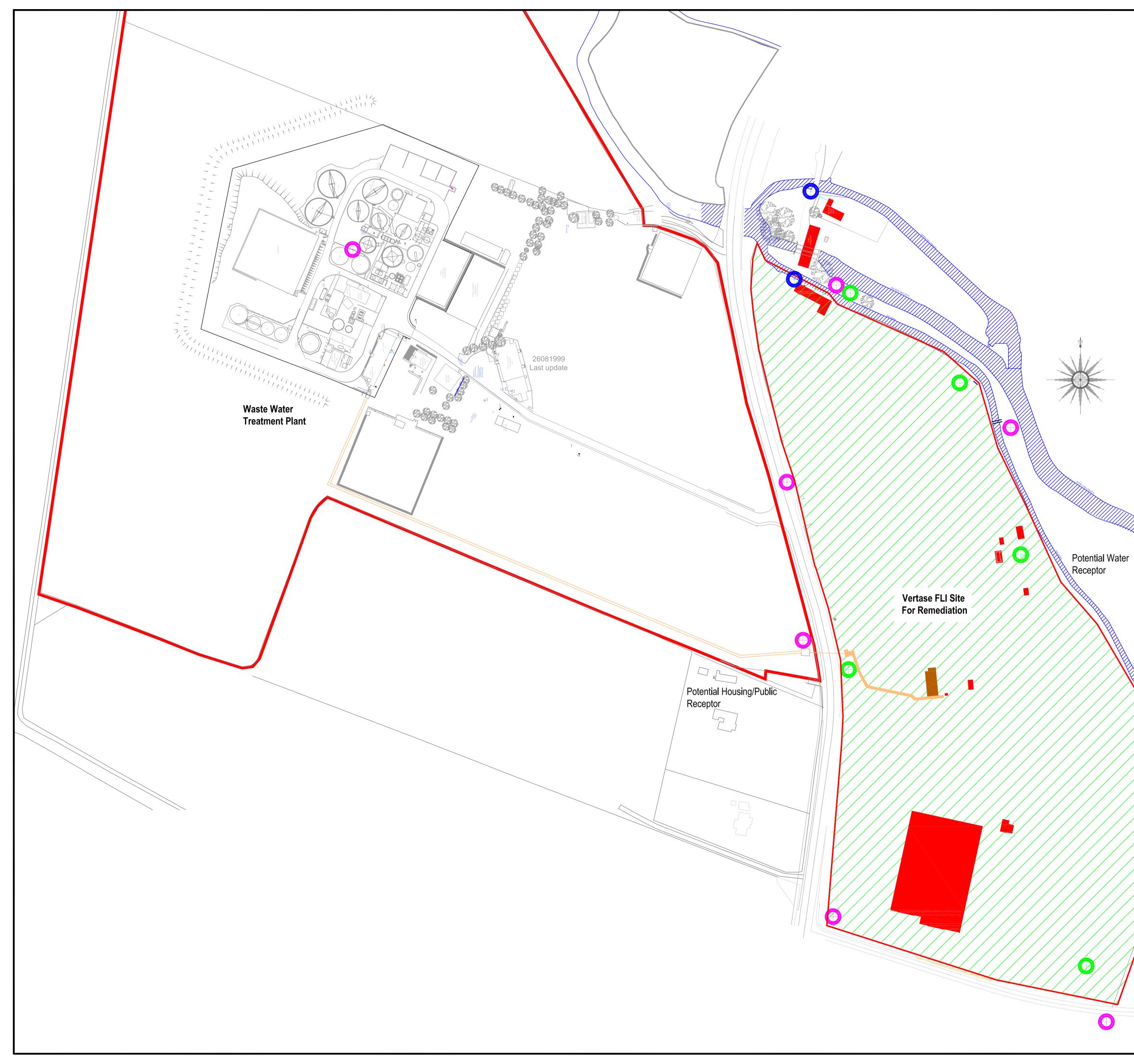
Appendix A

Drawings



5 26 27						
Bristol Head Office:Tel: 01275 397600 Fax: 01275 397601Sheffield Office:Tel: 01246 813289 Fax: 01246 812963Hertford Office:Tel: 01925 535757 Fax: 01992 535858Manchester Office:Tel: 01614 376300 Fax: 01614 376300 HauxtonSite Address:Tel: 01614 376300 Fax: 01614 376300 	Raw.     Description       Raw.     21 April 2008       Image: State St	Drawing Base : Ref LW/HAUX-002/2006	Site Boundar	Water Course	Buildings to Remain	Legend A1





		Legend	A1
		Sub-Stat to Rema	ion/Buildings in
		Water C	ourse
		Vertase for Reme	
	—		'reatment Boundary
		Site Effl <sup>.</sup> and Duc	uent Sump ting
	0	Diffusion /Monitor	n Tubes ing Location
	0	Dust Mo	nitoring Location
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		ing Base : R AUX-002/20	
	C Dust Moni Locations B Dust Monitor Location Am A Water Samp	Amended Jv ring Jv lended Jing Points Added Jv	RG 14 July 08 VH 09 June 08 VH 15 May 2008
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	Site Add Bayer Si Hauxton Cambrid	ite	Rev: C
	Title: Environmer	ntal Monitoring Plan states	
	Drawn: JWH	Checked: MA	Approved: MA
	Dwg: D907_33	Contract: 907BR	Scale: 1:1250



Appendix B

**Environmental Monitoring Data** 

·						ODOUR				SUST	NOISE	LITTE	R	RIDD	Y BROOK	L		METEOROLOGI	CAL AND ENVIRONM	MENTAL CO	NDITIONS	1
Assessor Date	Daily Activity		Start Finish Time Time	h Detectabilt (Yes or No	y Intensity i) (1 to 9)	Quality (Description)	Hedonic I Tone S (-3 to+3)	Location Odour Sensitivity Source (1 to 5) (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	ir Description (Rai mp Sun) 2)	in, Cloud (0 to 8)	Ground Conditions (Wet, dry)	General Notes
T Walker 28/02/2011 T Walker 28/02/2011	Me armag Me arm	N NE	10.00 10.0 10.05 10.1 10.05 10.1	6 n			2		0 146 0 126	89 34	58 61	no (	10	clear clear	9.195	no no	ha ha	2.4 NE 4	wet	8	wit	complaint from 11 new road, visited complainant who stated odour was not now present.
T Walker 28/02/2011 T Walker 28/02/2011	Sed turning Bed turning	NE1 E	10.05 10.1 10.10 10.1 10.15 10.2 10.20 10.2	0 5 n			2		326 0 149	241 78	57	no r	10	clear clear	9.645	no no	no ho					
T Walker 28/02/2011 T Walker 28/02/2011 T Walker 28/02/2011	Sed turning And turning	S S SW	10.20 10.2	5y by	3	pesticides nosticides	-1 3	5	0 57	61	50 60 57	no r no r	10			no	no see general notes					
T Walker 28/02/2011 T Walker 28/02/2011	Bed turning Bed turning	W	10.20 10.2 10.25 10.3 10.30 10.3 10.35 10.4 16.40 16.4 16.45 16.5 16.50 16.5 16.55 17.0	15 y 10 n	3	pesticides pesticides	-2 4		0 167	74	59 61	no r no r	10			no no	ha ha					
T.Walker 28/02/2011 T.Walker 28/02/2011	Bed turning Bed turning	N	16.40 16.4	6 n 0 n			2		0 120	72 82	54 60	no r no r	10	clear clear	9.195	00 00	no no	6 NW 4	wet	8	wét	
T Walker 28/02/2011 T Walker 28/02/2011 T Wolker 28/02/2011	Bad turning Bad turning Bad turning	NE1 E	16.55 17.0	0 Ún			2		208 0 236 0 164	141 173	62	no r	10	clear	9.645	no no	no no					
T Walker 28/02/2011 T Walker 28/02/2011 T Walker 28/02/2011	aad auring Bad turning Bad turning	S SW	17.10 17.1	5 n Siv	4	pesticides	3	5	0 164	104	57 58 52	no r no r	10			no no	no no					
T Walker 28/02/2011 T Walker 28/02/2011	Bad turning Bad turning Bad turning	W NW	17.20 17.2 17.25 17.3 10.30 10.3	15 y 10 n	3	pesticides	-1 4	5	0 100	38	61 60	no (	10			no no	no no	3 NNE 6				
T Walker 01/03/2011 T Walker 01/03/2011	Aad turning Aad turning Aad turning	N NE	10.30 10.3 10.35 10.4 10.40 10.4	5 n U n			2		0			no r	10	clear clear	9.194	no no	no ho	3 NNE 6	dry	8	dry	
	aad aurinig Bad aurinig Bad aurinig	E RF	10.45 10.5	0 0 n 6 n			2		0	-		no r	10	clear	9.647	00	10					
T Walker 01/03/2011	sed turning	S SW	10.45 10.5 10.50 10.5 10.55 11.0 11.00 11.0 11.05 11.1 11.15 11.2	10 y 15 n		burnt wood	1 3	1	0 0 0 0 0 158.6 0 211.4			no r no r	10			no no	ha ha					
T Walker 01/03/2011 T Walker 01/03/2011	Sed turning Bed turning	W NW	11.05 11.1	0y Xin	2	pesticides	-1 4	5	0			no r no r	10			no no	ha ha					
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T Walker 01/03/2011 T Walker 01/03/2011	ed suming ed suming ed suming	E SE	17.46 17.5 17.40 17.4 17.35 17.4	őn Ny	9	bonfire smell	2 3		0 27.2 0 27.2 0	91.6 39.4	49.6	no r	10	clear	9.647	00	ho ho					
T Walker 01/03/2011 T Walker 01/03/2011	ed turing ed turing	S SW	17.35 17.4 17.30 17.3 17.25 17.3	Бn Юу	3	car fumes	-1 4	1	0 41.7 0 102.8 0 324 0 324	33	54.3 73.2	no r	10			no no	ho ho					
T.Walker 01/03/2011 T.Walker 01/03/2011	ed turing	W NW	17.20 17.2	5y Xa	4	slight TCP, car fumes	4	24	0 102.8	51.8	70.4	no r no r	10 10			00 00	no no					
T Walker 02/03/2011	Add Saming Sa	NE NE1	17.20 17.2 17.15 17.2 12.00 12.0 12.05 12.1 12.10 12.1	0 n			2		0 324 0 316 304	198 201 210	64 60	no r	10	clear clear	e. 129	00 00	10 00					1
T Walker 02/03/2011 T Walker 02/03/2011	accavating in grids/bad turning accavating in grids/bad turning	E	12.15 12.2	0 n 5 n			2		0 306 0	198	58 62	no (no	10	clear	9.648	no no	ha ha					
T Walker 02/03/2011 T Walker 02/03/2011	exceveling in gridsibed turning exceveling in gridsibed turning exceveling in gridsibed turning	S SW	12.15 12.2 12.20 12.2 12.25 12.3 12.35 12.4 12.40 12.4	10 y 10 n		huge bonfine and smoke	-3 3	-	0 6257 0 463	6257	58 62	no /	10			no no	ho ho					
1 Walker 02/03/2011 T Walker 02/03/2011	xxxivating in girlds/bad turning xxxivating in girlds/bad turning xxxivating in girlds/bad turning	W NW	12.40 12.4	oy Oy	3	odour control odour control	2 2			242	58 62	no r	10	-	0.104	no	no no	3 SW 11	des		dry	constitute from 6 and out place with parent to adopt as 444 world site and
T Walker 02/03/2011	excevating in grids/bed turning	NE NE1	12.45 12.5 17.00 17.0 17.05 17.1 17.10 17.1	0 n			2		0 328 0 141 208	97	-0 58	no r	10	clear clear	e. 179	00	10 00		ary	v	му	complaint from 6 orchard close with regard to odour on A10 outside the gate.
	xcavating in gridsbad turning xcavating in gridsbad turning xcavating in gridsbad turning xcavating in gridsbad turning	E SE	17.05         17.1           17.10         17.1           17.10         17.1           17.20         17.2           17.25         17.2           17.25         17.3           17.30         17.4           17.31         17.4           17.35         17.4           17.36         17.4           17.36         17.4           17.30         17.4           17.35         17.4           17.36         17.4           9.05         9.1           9.05         9.1           9.15         9.2           9.30         9.3           9.45         9.25           9.20         9.2           9.30         9.3           9.45         9.45           9.46         9.45           9.46         9.45           9.46         9.45           9.46         9.45           9.46         9.45           9.46         9.45           9.46         9.45           9.46         9.45           9.45         9.45           9.46         9.45 <td< td=""><td>10 n 5 y</td><td>2</td><td>odour control odour control/pest</td><td>-1 3</td><td>5</td><td>0 328 0 141 208 0 186 0 174</td><td>104</td><td>52 54</td><td>no r</td><td>10</td><td>clear</td><td>9.648</td><td>no no</td><td>no no</td><td></td><td>1</td><td>_</td><td></td><td></td></td<>	10 n 5 y	2	odour control odour control/pest	-1 3	5	0 328 0 141 208 0 186 0 174	104	52 54	no r	10	clear	9.648	no no	no no		1	_		
T Walker 02/03/2011 T Walker 02/03/2011	excavating in grids/bed turning excavating in grids/bed turning	s sw	17.25 17.3 17.30 17.3	Юy Бy	3	odour control/pest odour control	-2 3 -1 4	6	0 196 0 174 0 108 0 383 0 383 0 134 327 0 247	74	61 60	no (	10			v v	see general notes see general notes					
T Walker 02/03/2011 T Walker 02/03/2011	excavating in grids/bad turning excavating in grids/bad turning excavating in grids/bad turning	W	17.35 17.4	iùn 6 n			4		0 108	86	61 60	no r	10		. 100	00	no no					1
1 Walker 03/03/2011 T Walker 03/03/2011 T Walker 03/03/2011	accessing in grossbar cornig accessing in grossbar turning accessing in orderbar turning	NE NE1	2.00 9.0 9.05 9.1	0 n			2		u 383 0 134	90 47 124	51 61	no r	10	clear see gen notes see gen notes	pr. 196	00	na na		1			1
T Walker 03/03/2011 T Walker 03/03/2011 T Walker 03/03/2011	accavating in grids/bad turning accavating in grids/bad turning accavating in grids/bad turning	E	9.05 9.1 9.15 9.2 9.20 9.2	o Non Siv	3	burnt wood	0 3	1	0 247 0 247	208	62 58	no r no r	10	clear	9.646	no no	no no					
T Walker 03/03/2011 T Walker 03/03/2011	scowardo ji oddibladi burring scowardog in girlabilda burring	s sw	9.30 9.3 9.35 9.4	Бу Юл	1	burnt wood	0 3		0 241 0 246	162	61 67	no r	10			no ho	ha ha					
T Walker 03/03/2011 T Walker 03/03/2011	excervating in grids/bed turning excervating in grids/bed turning	W NW	9.40 9.4 9.45 9.5	6 n O n	1	odour control	4	1	0 246 0	131	67 53 58	no r no r	10			00 00	60. 60	6 WSW 13				
T Walker 03/03/2011 T Walker 03/03/2011	xcavating in gridsabad turning xcavating in gridsabad turning xcavating in gridsabad turning xcavating in gridsabad turning	N NE	16.00 16.0	6 n 0 y	2	odour control	1 2	6	0 141 0 192 246	71 71	58	no r no r	10	clear clear	9.196	00	no no	6 WSW 13	dry	7	dry	
T Walker 03/03/2011 T Walker 03/03/2011	incareating in grosebed suming accareating in grosebed suming recording in orderbed turning	E RF	16.10 16.1	5 n			2		246 0 246 0 204	108	61	no r	10	clear	9.646	no no	na ha					
T Walker 03/03/2011 T Walker 03/03/2011	excavating in grids/bad turning excavating in grids/bad turning excavating in grids/bad turning			15 n 10 n			3 4		0	101	68 60	no r no r	10			00	ha ha					
T.Walker 03/03/2011 T.Walker 03/03/2011	accavating in grids/bed turning accavating in grids/bed turning	W NW	16.25 16.3 16.30 16.3 16.35 16.4	бу Юл	2	pesticides	-1 4	6	0 118 0	78	61 60 I	no r no r	10 10			00 00	no ho					
T Walker 04/03/2011 T Walker 04/03/2011	excavating in grids/bad turning excavating in grids/bad turning	N NE	10.00 10.0 10.05 10.1 10.05 10.1	6 n			2		0 134 0 146 321	62 58	52 61	no r no r	10	clear clear	9.194	no no	no no					
T Walker 04/03/2011 T Walker 04/03/2011 T Walker 04/03/2011	excernating in grids/bed turning excernating in grids/bed turning excernation in crists/bed turning	E RF	10.10 10.1 10.15 10.2 10.20 10.2	5 n			2		0 246 0	106	58	no r	10	clear	9.649	no no	na ha					
T Walker 04/03/2011 T Walker 04/03/2011	excervating in grids/bed turning excervating in grids/bed turning excervation or ordis/bed turning	S SW	10.20 10.2	5 n Din			3			61	63 60	no r	10			no no	ho ho					
T Walker 04/03/2011 T Walker 04/03/2011	xcavating in gridsbad turning xcavating in gridsbad turning xcavating in gridsbad turning xcavating in gridsbad turning	W NW	10.25 10.3 10.30 10.3 10.35 10.4 14.00 14.0 14.05 14.1	15 n 10 n			4		0 156 0 146	71	52 68	no (	10			no no	no no	6 SE 9				
T Walker 04/03/2011 T Walker 04/03/2011	accavating in grids/bed turning accavating in grids/bed turning	N NE	14.00 14.0	6 n			2		0 146	62 36	61 60	no r no r	10	clear clear	9.194	no no	no no	6 SE 9	dry	0	dry	
T Walker 04/03/2011 T Walker 04/03/2011 T Walker 04/03/2011	xcavating in grids/bad turning xcavating in grids/bad turning xcavating in grids/bad turning xcavatine in cristlyhad turning	E RF	14.05 14.1 14.10 14.1 14.15 14.2 14.20 14.2 14.25 14.3 14.30 14.3	5 10 n 15 n			2		0 206	71	41	no r	10	clear	9.649	no no	na ha					
T Walker 04/03/2011 T Walker 04/03/2011	excervating in grids/bed turning excervating in grids/bed turning excervating in grids/bed turning	S SW	14.25 14.3 14.30 14.3	Юy Бy	2	pesticides pesticides	-1 3	5	0 206 0 189 0 1	69	58 60	no r no r	10			no no	ha ha					
T Walker 04/03/2011 T Walker 04/03/2011	incarrating in gridarbad turning incarrating in gridarbad turning incarrating in gridarbad turning sed turning	W	14.35 14.4	ΰn δn			4		0 153	53	61 57 54.8	no r no r	10 10			00 00	no ho	0.5 ESE 8				
Stephenson 07/03/2011 Stephenson 07/03/2011	ed suming ed suming	N NE	10.35 10.4	10 n 15 n			2		0 24.7 0 84.2 130.7 0 49.7	31.7 38.8	54.6 54.5	no r	10	clear clear	9.195	no no	no ho	0.5 ESE 8	sun	0	dry	no odour at church
Stephenson 07/03/2011 Stephenson 07/03/2011 Stephenson 07/03/2011 Stephenson 07/03/2011 Stephenson 07/03/2011	vid Suming dd Suming vid Suming vid Suming vid Suming vid Suming vid Suming vid Suming vid Suming	E SE	10.35 10.4 10.35 10.4 10.30 10.3 10.25 10.3 10.20 10.2 10.15 10.2	5 n			2			55.2	59 52.4	no r	10	clear	9.649	no	no no		-	_		1
I Stephenson 07/03/2011 I Stephenson 07/03/2011 I Stephenson 07/03/2011 I Stephenson 07/03/2011	sed turning	SW	10.05 10.1	5 y 0 y	5	hot ashphalt odour control hot ashphalt	1 3 1 4	1	0 64 0 45.5	63	49.5	no r	10			no no	ha ha					
	ed turning ed turning ed turning	W NW	10.00 10.0 9.55 10.0 18.00 18.0	15 n 10 y		hot ashphalt car fumes	4	1	0 45.5 0 68.7	85.1	70.1 74.9 57.7	no r	10 10			no no	no	0.5 ESE 8			wit	
I Stephenson 07/03/2011 I Stephenson 07/03/2011	ed turning	N NE	18.00 18.0	0 n			2		0 68.7 0 194.4 106.1	64.6 99.3	57.7 51.8	no r	10	clear clear	2.135	no no	60 60	0.5 ESE 8	dear	0	wet	tenell of out grass at church
I Stephenson 07/03/2011 I Stephenson 07/03/2011 I Stephenson 07/03/2011	sed suming sed suming sed suming	E SE	17.56 18.0 17.52 17.5 17.48 17.5 17.46 17.4	2 y 8 y		borfire smoke borfire smoke	1 2	1	0 212	115.5	47.9 54.2	no r	10	dear	9.649	no	no no		-	_		1
I Stephenson 07/03/2011 I Stephenson 07/03/2011 I Stephenson 07/03/2011	ed turning ed turning ed turning	s sw	17.42 17.4	8 n 2 n			3		0 0 53.3 0	70.6	63.2 71.2	no r	10			no no	ha ha					
I Stephenson 07/03/2011 I Stephenson 07/03/2011	ad turning ad turning ad turning ad turning ad turning ad turning	W	17.34 17.3 17.30 17.3	8 y 4 y	4	pesticide/odour control/car fumes pesticide/odour control/car fumes	0 4 -1 2	4 3	0 248	66.7	78.7 78.9	no r	10		. 107	00 00	00	4.9 WSW 7.				no odour at church
Stephenson 07/03/2011 Stephenson 08/03/2011 Stephenson 08/03/2011 Stephenson 08/03/2011	ao sunng eid suming	NE NE	13.10 13.1	on Oy	5	pesticide smell	-1 2	5	v 38.8 0 54.8	44.5 131 00.1	63.1	no r	10	cwâr dear	pr. 197	no no	60 60	•.3 WSW 7.	or dear	u	aly	na cocar ac criarol
Stephenson 08/03/2011 Stephenson 08/03/2011	ed suring ed suring	ensi I E SE	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 y 6 y	5	pesticide smell slight hydrocarbon smell	-1 2	4	0 38.8 0 54.8 52.1 0 57.7 0 54.8	54.2	54.5 47.3	no r no r	10	dear	9.638	no no	no check on repair works to odour control no		-	_		1
I Stephenson 08/03/2011 I Stephenson 08/03/2011	ed turning	S SW	12.45 12.5 12.40 12.4	0 n 6 n	L		3		0 54.8 0 44.5	30.8	59.1 58.6 73.6	no r no r	10			no no	ha ha					
I Stephenson 08/03/2011 I Stephenson 08/03/2011	ked suming ked suming ked suming	W	12.35 12.4	Юn Бn			4		0 44.5 0 25	29.7	73.6 58.3 50	no r no r	10			no no	no no	3 sw 8	dry			
Stephenson         08/03/2011           T Stephenson         08/03/2011           T Walker         08/03/2011           T Walker         08/03/2011           T Walker         08/03/2011	ed turning ed turning ed turning	N NE	17.00 17.0	0 y	2	no odour odour control	0 2 1 2	5	0 189	61 62 184	62	no r no r	10	dear dear	9.197	no no	na na	3 sw 8	dry	0	ary	1
Walkee         08/03/2011           Walkee         09/03/2011           Walkee         09/03/2011<	ka Junny da Junny da Junny da Junny da Junny da Junny da Junny da Junny	E SE	17.05 17.1 17.10 17.1 17.15 17.2	5 y	2	slight pesticides	-1 2	1	206 0 346 0 189	63	40 57	no no	10	dear	9.638	no no	na na		1	-		1
T Walker 08/03/2011 T Walker 08/03/2011	ed turning	s sw	17.20 17.2	5 n 10 n	2	diesel fumes	3 0 4	1	0 189	57	62 49	no r	10			no no	ta ha			_		
T Walker 08/03/2011 T Walker 08/03/2011	ed turning	W NW	17.30 17.3 17.35 17.4	15 n 10 n			4		0 26 0 26	74	57 52	no r	10			no no	no ho					
1 Walker 09/03/2011 T Walker 09/03/2011	ed turning	N	9.10 9.1	oy Vy	2 3/4	solvents/manure solvents	-1 2	5	0 254	106	52 60	no r no r	10	dear clear	9.196	no no	no increased odour control increased odour control	7 WSW 6	dry	4	dry	extra odour control added to sprayers
T Walker 09/03/2011 T Walker 09/03/2011 T Walker 09/03/2011	wd suming ad suming ad suming	E SE	9.20 9.2 9.20 9.2 9.25 9.3	5 n 0 n			2		306 0 201 0	121	52 54	no r	10	clear	9.639	no ho	normaned adour control					1
T Waker 09/03/2011 T Waker 09/03/2011	wa summg eed suming eed suming	s sw	9.25 9.3 9.30 9.3 9.35 9.4 9.40 9.4	бy Юл		burnt wood	-1 3		0 204 0	121	61 62	no r	10			no no	10					ł
T Walker 09/03/2011 T Walker 09/03/2011	ed turning ed turning	W NW	9.40 9.4 9.45 9.5	бу Юу	2	burnt wood burnt wood	-1 4	1	0 141	24	58 57	no r no r	10			no no	no no					
I Stephenson 09/03/2011 I Stephenson 09/03/2011 I Stephenson 09/03/2011	ed turning ed turning ed turning	N NE	17.40 17.4 17.35 17.4	6 n Ú n	E		2		0		52.4 61.8	no r	10	clear clear	9.196	no no	no no	4.4 wsw 9.0	sunny spells/rain	sho 5	wét	earthy odour at church
Stephenson 09/03/2011 Stephenson 09/03/2011 Stephenson 09/03/2011 Stephenson 09/03/2011	ed surring	este i E SE	9.40 9.4 9.45 9.5 17.40 17.4 17.35 17.4 17.35 17.4 17.30 17.3 17.25 17.3 17.25 17.3 17.25 17.3 17.15 17.2 17.15 17.2 17.10 17.1 17.05 17.1 17.00 17.0 9.05 9.1	0 y	5	pesticides pesticides overwhelmed by fresh linen	0 2	5	0		61.4	00	10	clear	9.639	00 00	no seal bed up asap non required, odour suppressant doing	oh l				1
Stephenson 09/03/2011	ed turning ed turning ed turning	S SW	17.15 17.2	5 v			. 3 0 4	1	0 0 0 0 0 0 0 146		64.3 74.1	no r	10			00	no no	T	1	-		1
I Stephenson 09/03/2011 I Stephenson 09/03/2011 I Stephenson 09/03/2011 T Walker 10/03/2011	eed surning and surning xxsavating in grids/bid turning	W NW	17.05 17.1	0 y 6 n	3	car fumes car fumes	0 4	1	0		74.1 79.5 79.3 62	no r no r	10			no no	na na	12 w 9	dry			
T Walker 10/03/2011	excervating in grids/bed turning	N	9.05 9.1	0 n			2		0 146	71	62	no r	10	clear	9.194	no	no	12 w 9	dry	7	dry	l

Findur         1002001         assering a publicat warm           Findur         1002001	NE 9.10 9.15 m	2 10 1108 1155 153 ho ho kisar ho ho	
T Walker 10/03/2011 excavating in grids/bad turning T Walker 10/03/2011 excavating in grids/bad turning	NE         9,10         9,15 n           NE1         9,10         9,15           E         9,15         9,20 n           SE         9,20         9,25 n	2 0 232 96 56 no no staar 9.632 no no no	
T Waker 10/03/2011 excervaing in grids/bid turning T Waker 10/03/2011 excervaing in grids/bid turning T Waker 10/03/2011 excervaing in grids/bid turning	SE 9.20 9.25 n 1 chicken manure S 9.25 9.30 n SW 9.30 9.35 n W 9.35 9.40 n	0 3 1 0 52 no na no na na na 141 54 no na	
T Walker 10/03/2011 excervating in prostored terming T Walker 10/03/2011 excervating in orifolds terming	W 2.35 2.40 n	4 0 166 117 58 no ho no ho	
T Walker 10/03/2011 excavating in grids/bed turning T Walker 10/03/2011 excavating in grids/bed turning	NW n N 16.00 16.05 n NE 16.05 16.10 n	2 0 161 50 62 no to chear 2.194 no to 10 2 0 189 121 61 no to chear no no no	W 12 day 4 day
T Waker 10/03/2011 excervising in grids/bad turning T Waker 10/03/2011 excervising in grids/bad turning T Waker 10/03/2011 excervising in grids/bad turning	NE 16.05 18.10 h NE 16.01 18.10 h NE 16.01 18.10 h RE 16.01 18.10 h RE 16.01 18.20 h RE 16.10 h	204         27         stear         no         no           2         0         202         141         50         no         fual         disar         2.652         no	
1 Walker 10/052011 excession of normality of the second of	SE         16.20         16.29           S         16.20         16.29           SW         15.00         16.40           SW         16.00         16.46           WW         16.40         16.49           NW         16.40         16.49           NW         16.40         16.49           NW         16.40         16.49           NW         16.40         16.49	3         0         61         10         10         10         10           3         0         141         71         58         10         10         10         10         10           4         0         63         0         63         0         10         10         10         10	
T Walker 10/03/2011 excervating in grids/bad turning T Walker 10/03/2011 excervating in grids/bad turning	W 16.40 16.45 n NW 16.45 16.50 n	4 0 124 63 47 no ha no ha ha a ba ha	
T Walker 11/03/2011 excervating in grids/bed turning T Walker 11/03/2011 excervating in grids/bed turning	N 10.10 10.15 n NE 10.15 10.20 y 4 solvents NE1 10.20 10.25	2         0         47         no         no         stair         0.19         no         no         60 <th6< td=""><td>W 9 dry 7 dry Foggar placed near TB48</td></th6<>	W 9 dry 7 dry Foggar placed near TB48
1 Walker 11/03/2011 excerving in gridsbid turning T Walker 11/03/2011 excerving in gridsbid turning T Walker 11/03/2011 excerving in gridsbid turning	Nc1 10.20 10.25 E 10.25 10.30 y 5 chicken manure SE 10.95 10.40 n	-2 2 1 0 61 no no dear 9.634 no no	
T Walker 11/03/2011 excervating in gridsibad turning T Walker 11/03/2011 excervating in gridsibad turning	N         100         100         0           24         101         100         0         0         0           24         102         102         0         0         0         0           24         102         102         0         0         0         0         0           24         102         102         0 <td>3         0         58         no         nu         nu<td></td></td>	3         0         58         no         nu         nu <td></td>	
T Walker 11/03/2011 excervating in girlds/bed turning T Walker 11/03/2011 excervating in girlds/bed turning	W 10.55 11.00 n NW 11.00 11.05 n	44         0         71         no         no </td <td>W 11 ay 7 ay</td>	W 11 ay 7 ay
1 Walker 11/03/2011 excerving in gridsbid turning T Walker 11/03/2011 excerving in gridsbid turning T Walker 11/03/2011 excerving in gridsbid turning	N 16.00 16.05 h NE 16.05 16.10 h	2         0         146         79         50         no         100         blair         2.19         no         no         3.5           2         3         169         102         52         no         no         chair         No         no         no         3.5           7         76         69         0         stair         No         no         no	W 11 day 7 day
T Walker 1 1/03/2011 excerning in gridsbad turning T Walker 1 1/03/2011 excerning in gridsbad turning	E 16.10 16.15n SE 16.15 16.20n	2 0 117 47 57 no ho clear 0.634 no no 3 0 40 no ho ho no	
T Walker 11/03/2011 excervating in grids/bed turning T Walker 11/03/2011 excervating in grids/bed turning	8E 16.15.16.20 h S 16.20 16.25 h SW 16.25 16.30 h	3 0 57 67 47 h0 h0 h0 h0 h0 h0	
T Walker 11/03/2011 excertaining in gridsbad turning T Walker 11/03/2011 excertaining in gridsbad turning T Walker 11/03/2011 excertaining	W 16.30 16.35n NW 16.35 16.40n N 10.35 16.40n	4         0         169         100         57         n6         n6         n6         n6         n6           2         0         41         h6         h6 <td>n 12 áry 6 áry</td>	n 12 áry 6 áry
T Walker 14/03/2011 bed turning T Walker 14/03/2011 bed turning	NW         16.35         16.40           N         10.33         10.35 /n           NE         10.35         10.40 /n           NE1         10.35         10.40 /n	2 0 107 67 52 10 to	
T Walker 14/03/2011 bed turning T Walker 14/03/2011 bed turning	E 10.40 10.45 h SE 10.45 10.55 h 10.50 10.55 h	2         0         241         141         81         no.         foil         Staar         2.620         no.         no.           3         0         2         54         10         60         60         70         80         80           3         0         246         23         61         60         10         60         60         60	
T Waker 14(032011 bed turning T Waker 14(032011 bed turning T Waker 14(032011 bed turning	SW 10.50 10.55 m SW 10.55 11.00 m	3         0         246         23         61         no         no </td <td></td>	
1 Visiker 14/03/2011 Bed turning 1 Stephenson 14/03/2011 bed turning	BW         10.65         11.06           W         10.60         11.09           NW         11.01         11.55           NW         17.60         17.60           NE         17.33         17.60           NE*1         17.33         17.85	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ENE 10.1 jsunny 1 dry No odour at church. Only odours on A10 - consistent with wind disection
Saghenson 14902011 Bid Juning     Saghenson 14902011 Bid Juning     Saghenson 14902011 Bid Juning     Saghenson 14002011 Bid Juning	NE 17.36 17.40 n NE1 17.30 17.35	2         0         17         12.1         55.8         no         no         Saar         3.19         no         no         no         5.3           2         0         95.9         14.4         86.8         no         10         staar         no	EYE         11         barry         1         dry         No odour at church. Only odours on A10 - consistent with wind direction
Stephenson 14/03/2011 Bed turning Stephenson 14/03/2011 Bed suming Stephenson 14/03/2011 Bed suming	E 17.25 17.306 SE 17.20 17.25 6 9 17.45 17.00	21         35.8         56.8         56.9         5	
Stephenson 14/03/2011 bed turning Stephenson 14/03/2011 bed turning	SW 17.10 17.15 y 5 tree blossom W 17.05 17.10 y 4 hostinide car times	2 4 5 0 5 76.4 10 10 10 10 10 10 10 10 10 10 10 10 10	
Stephenson 14/03/2011 bed turning     Walker 15/03/2011 exclosurating in grids/bed turning     TWalker 15/03/2011 exclosurating in grids/bed turning	N 10.00 10.05 n	0 2 3 0 75.8 no no no no no no no 75.8 no no no no no no no 75.8 no no no no no no no no 77.	E/SE 7 dry 8 dry
1 Waker 15/03/2011 excerning in grids/bed turning T Waker 15/03/2011 excerning in grids/bed turning T Waker 15/03/2011 excerning in grids/bed turning	NE 10.05 10.10 m NE1 10.05 10.10 E 10.05 10.10 m	2         0         186         143         82         no         no         stair         no         no           1         1         107         1         1         0         10 <td></td>	
T Waker 15/02/2011 excervaling in gridsbed turning T Waker 15/02/2011 excervaling in gridsbed turning T Waker 15/02/2011 excervaling in gridsbed turning	SE 10.10 10.15/n S 10.15 10.20/n	2         0         11         27         10         10         10         10           3         0         76	
T Walker 15/03/2011 excervating in grids/bed turning T Walker 15/03/2011 excervating in grids/bed turning	SW 10.20 10.25 n W 10.25 10.30 n	4 0 52 no no no no no	
T Walker 15/03/2011 lexcavating in grids/bad turning T Walker 15/03/2011 lexcavating in grids/bad turning T Walker 15/03/2011 lexcavating in grids/bad turning	N 15.30 15.35 n	1 2 5 0 71 no no no no 2 0 246 123 66 no no cuar 2.194 no no no 9 no 166 79 60 ao luo dear 2.194 no no no	ENNE 9 dry 8 dry
T Waker 15/03/2011 excervating in grids/bed turning T Waker 15/03/2011 excervating in grids/bed turning	NE 15.85 15.40 n NE1 15.35 15.40 E 15.40 15.46 n	2 160 63 1 244 10 10 10 10 10 10 10 10 10 10 10 10 10	
T Walker 15/03/2011 excervating in grids/bed turning T Walker 15/03/2011 excervating in grids/bed turning	SE 15.45 15.50 y 5 wood smoke S 15.50 16.00 y 3 wood smoke	2         0         121         82         50         no.         log         staar         2.631         no.         no.           1         3         1         0         498         62         10         10         50.         10         <	
1 Walker 15/03/2011 excertaining in gridsbid turning T Walker 15/03/2011 excertaining in gridsbid turning T Walker 15/03/2011 excertaining in gridsbid turning	SW 16.03 16.05m W 16.10 16.15m MW 16.16 16.15m	4         0         13         10         10         10         10           4         0         171         83         52         10         10         10         10         10           4         0         171         83         52         10         10         10         10         10	
T Waker 16/03/2011 excervating in gridsbed turning T Waker 16/03/2011 excervating in gridsbed turning	N 2.00 9.05n NE 9.05 9.10n	2 0 246 106 56 no no clear 0.194 no no no 6 2 0 109 91 60 no no clear no no no	NE 0 Bry 8 dry
T Walker 16/03/2011 excervating in grids/bed turning T Walker 16/03/2011 excervating in grids/bed turning	NE1 9.10 9.15 E 9.20 9.25 n	141         89         clear         no         no           2         0         156         01         61         no         no         sizer         no         no	
T Walker 16/03/2011 lexcavating in grids/bad turning T Walker 16/03/2011 lexcavating in grids/bad turning T Walker 16/03/2011 lexcavating in grids/bad turning	N1         N2         N2<	3         0         64         na         na <td></td>	
T Walker 16/03/2011 excervaling in grids/bed turning T Walker 16/03/2011 excervaling in grids/bed turning	W 240 245 h	4 0 188 71 58 po po po po 0 0	N 2 Bry 6 dry
T Walker 16/03/2011 excavating in grids/bed turning T Walker 16/03/2011 excavating in grids/bed turning	N 13.10 13.15 n NE 13.15 13.20 n	2         0         186         167         62         95         96         944         96	N 9 dry 6 dry
T Walker 16/03/2011 lancarvating in grids/bad turning T Walker 16/03/2011 excarvating in grids/bad turning T Walker 56/03/2011 excarvating in grids/bad turning	NE         13.15         13.23           E         13.25         2           E         13.26         2           E         13.29         13.28           E         13.29         13.28	2 0 104 67 59 no no clear 9.631 no no	
T Walker 16/03/2011 excervating in gridsbald turning T Walker 16/03/2011 excervating in gridsbald turning	8 1335 1340 n SW 1340 1345 n	3         0         58         n0         n0 </td <td></td>	
T Walker 16/03/2011 excervating in grids/bed turning T Walker 16/03/2011 excervating in grids/bed turning	6f         15.32         15.35           6         15.32         15.46           6W         13.66         13.66           9W         13.66         13.66      <	4 0 208 114 63 10 10 10 10 10 10 10 10 10 10 10 10 10	NW         8         dry         8         dry         complaints: received at 10.20 from the lane and church road, remedial action taker
1 Walker 17/03/2011 lexcending in grids/bid turning T Walker 17/03/2011 lexcending in grids/bid turning T Walker 17/03/2011 lexcending in grids/bid turning	N 10.03 10.05m NE 10.05 10.10 n NE1 10.10 10.16	2 0 186 98 63 no no clear no no	NW 8 dry 8 dry complaints received at 10.20 from the lane and church read, remedial action taker
T Walker 17/03/2011 excervating in girlds/bed turning T Walker 17/03/2011 excervating in girlds/bed turning	NE1 10.10 10.15 E 10.15 10.20 y 2/3 odour control SE 10.20 10.25 m	1         154         102         star         no         no         no           1         2         6         0         171         28         62         no         no         daar         2.529         90         no         no           3         3         5         10         57         No         No<	
T Walker 17/03/2011 excervating in grids/bed turning T Walker 17/03/2011 excervating in grids/bed turning	8 10.25 10.39 h SW 10.39 10.39 h W 10.35 10.49 h	3         0         167         122         58         no         no         no         no         no           4         0         0         61         no         1a         no	
T Walker 17/03/2011 excerving in grassive turning T Walker 17/03/2011 excerving in grassive turning T Walker 17/03/2011 excerving in gradsive turning	W 10.35 10.40 m NW 10.40 10.45 n N 16.00 h6.05 n	* 0 16 36 24 16 17 10 16 16 16 16 16 16 16 16 16 16 16 16 16	NE 9 day 8 day
T Walker 17/03/2011 excervating in grids/bad turning T Walker 17/03/2011 excervating in grids/bad turning	W/         10.42         10.45           4.63         4.65         -           4.64         10.45         -           4.67         10.66         -           4.67         10.67         10.45           4.67         10.67         10.45           4.67         10.67         10.45           4.67         10.45         -           4.67         10.45         -           4.67         10.45         -           4.67         10.45         -           4.67         10.45         -           4.67         10.45         -           4.67         10.45         -           4.67         10.45         -	2 5 107 87 61 no to chiar no to to to	
T Walker 17/03/2011 excervating in grids/bed turning T Walker 17/03/2011 excervating in grids/bed turning T Walker 17/03/2011 excervating in grids/bed turning	E 16.10 16.15m SE 16.15 16.20m	2         0         172         57         90         90         60         64ar         8.62         90         90           3         0         1         56         90 </td <td></td>	
Jackson         140000         240000         240000           Jackson         140000         140000           Tobason         140000         140000 </td <td>S 16.20 16.29 0 SW 16.23 16.39 0 W 16.30 16.39 0 WW 16.33 16.39 0</td> <td>4 0 154 81 47 kg kg</td> <td></td>	S 16.20 16.29 0 SW 16.23 16.39 0 W 16.30 16.39 0 WW 16.33 16.39 0	4 0 154 81 47 kg kg	
T Walker 17/03/2011 bed turning T Walker 18/03/2011 bed turning	NW         16.25         16.40 n           N         11.00 n         11.05 n           NE         11.05 n         11.01 n	P         D <thd< th=""> <thd< th=""> <thd< th=""> <thd< th=""></thd<></thd<></thd<></thd<>	NE 7 dry 8 dry ethorinated solvent small present to east in intermittant gusts odour control boosted in this are
T vvareer 18/03/2011 bed turning T Walker 18/03/2011 bed turning T Walker 18/03/2011 bed turning	NE1 11.10 11.15 E 11.15 11.20 a		
	E         11.15         11.20 ft           SE         11.20 ft         11.25 ft         3           S         11.25 ft         11.30 ft	2         0         52         70         10         24.51         70         10         10           1         3         1         5         60         90	
T Walker 18/03/2011 bed turning T Walker 18/03/2011 bed turning T Walker 18/03/2011 bed turning	8 1128 1138 h SW 1139 1139 / 2 shlorinated solvent V 1139 1139 / 1 4 / 1 oddeur conitol	1         4         1         0         61         no	
Stephenson 18/03/2011 bed turning	NW 11:40 11:46 in N 16:40 16:45 in NE 16:38 16:40 y 3 odour control and wet veg	2         0         52         no         no <td>NW 8 dioudy 6 damp to odour at church, slight indistinguishable odour, intermitter</td>	NW 8 dioudy 6 damp to odour at church, slight indistinguishable odour, intermitter
Suphenson   18002011 ad turning  Suphenson   18002011 bid turning  Suphenson   18002011 bid turning	NE1 16.30 16.35 E 16.25 16.30 v 4 odour control	1         2         5         0         15.4         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100         0.00         100	
Stephenson 18/03/2011 bed turning Stephenson 18/03/2011 bed turning	SE         16.20         16.25 h           S         16.15         16.20 h           SW         16.10         16.15 h	3         0         64.3         80.2         76.2         90.0<	
I Skephenson 18/03/2011 Bed suming Skephenson 18/03/2011 Bed suming I Skephenson 18/03/2011 Bed suming	W 16.05 16.10 n NW 16.00 16.05 n	4         0         76.2         no         no         no         no         no           4         0         92.9         12.6         73.8         no	
T Walker 21/03/2011 Excavating in grids JS/5/6/H8.bed turning T Walker 21/03/2011 Excavating in grids JS/5/6/H8.bed turning	N 11.00 11.02 h NE 11.05 11.10 7 2 odcur central NE1 11.05 11.10	2         0         267         101         96         90         90         2487         2189         90         90         93           1-1         2         5         0         168         95         62         100         64         100         60         60         3           1-1         2         5         0         168         95         62         100         5444         100         60         60         60         64         100         60         <	S 11 Bry 6 dry no discernible odours, slight chlorinated solvent but only in gust
T Walker 21/03/2011 Excervating in gids JS/5/6/H6/bed turning T Walker 21/03/2011 Excervating in gids JS/5/6/H6/bed turning T Walker 21/03/2011 Excervating in gids JS/5/6/H6/bed turning	NE1 11.05 11.10 E 11.10 11.15 y 3 pesticides/thorinated solvents SE 11.16 11.15 p	108         22         dear         no         no         no           -2         2         5         0         176         87         61         no         no         glaar         0.532         no         <	
Balance         100000         Balance           Tobac         100000         Balance         Balance	E         T10         T115         3         extitution           01         013         1124         1	D         Pi         Pi </td <td></td>	
T Waker 21/03/2011 Excavating in grids JS/56/HR/bd turning T Waker 21/03/2011 Excavating in grids JS/56/H8/bd turning	W 11.30 11.35n NW 11.35 11.40n	4 0 241 46 61 no no no no no	
T Walker 21/03/2011 Excervating in girlds JS15/6/H6/bed turning T Walker 21/03/2011 Excervating in girlds JS15/6/H6/bed turning T Walker 21/02/2011 Excervating in girlds JS15/6/H6/bed turning		2         0         86         no         no         blaar         2.180         no         no         3           2         0         62         no         no         daar         no         n	5 12 dry 8 dry
T Waker 21/03/2011 Econving in girls Jon/MHB/bed turning T Waker 21/03/2011 Econving in girls Jo15/6/H6/bed turning T Waker 21/03/2011 Econving in girls J5/5/6/H6/bed turning	NET 16.05 16.10 E 16.10 16.15 /s SE 16.15 16.20 /n S 16.20 16.25 /n	Cold         Dial         Dial         Dial         Dial           2         0         56         No         No         No         No         No           3         0         61         No         No         No         No         No	
T Walker 21/03/2011 Excavating in grids JS/5/6/He/Bob tuming T Walker 21/03/2011 Excavating in grids JS/5/6/He/Bob tuming	8 16.20 16.25n SW 16.25 16.30n	D         D         B0         F0         F0 <td></td>	
T Walker 21/03/2011 Excervating in gids JS/IS/I8/H8/bed turning T Walker 21/03/2011 Excervating in gids JS/IS/I8/H8/bed turning T Walker 21/03/2011 Excervating in gids JS/IS/I8/H8/bed turning	SW         16.25         16.30 n           W         16.33 n         16.35 n           NW         16.35         16.40 n           NW         20.55         16.40 n	44         0         60 </td <td>aw         14         dry         8         dry         complaint from 11 high streat Haustor</td>	aw         14         dry         8         dry         complaint from 11 high streat Haustor
1 www. 22/03/2011 Excel/alling in glids J3/15/16/H6/bed turning T Walker 22/03/2011 Excel/alling in glids J5/15/16/H6/bed turning T Walker 22/03/2011 Excel/alling in glids J5/15/16/H6/bed turning	NE 9.05 9.10 y 2 odour control	2         5         126         25         57         60         604         81.4         9.1         90         90         90         90         91           1         2         6         0         46         87         81         90 <td>pw 14 dty 8 dty complaint from 11 high streat Hauston</td>	pw 14 dty 8 dty complaint from 11 high streat Hauston
T Waker 22/03/2011 Excavating in grids JS/5/6/HB/bd tuming T Waker 22/03/2011 Excavating in grids JS/5/6/HB/bd tuming	Ne1         3/10         2/15           E         9/15         9/20 yr         3         chicken compost           SE         9/20         9/25 yr         2         chicken compost	-1         2         5         126         -3         60         no         no<	
T Walker 22/03/2011 Evroyating in prints 15/05/06 Hit huming	SE 9.20 9.25 y 2 chicken compost S 9.25 9.30 n	-1 3 5 0 187 56 52 no na no no no no	

T Walker 22/03/2011 Excavating in grids J5/I5/I6/H8,bed turning	SW 9.30 9.35 n		4	0	57	no n			Nes .	yes		1	1		
Tinkar         2000001         Incursion and JuStal Media Ammini           Tinkar         200001         Exaceling and JuStal Scheffelder Ammini	SW 9.30 9.35 n W NW		4						10 10	na Na		19 dry			Odours at A10/church road junction odour control increases
Yildar         202021         Academy and Julia Scientificial ming           Yildar         202021         Incoding and Julia Scientificial ming	NW         16.00         16.05 n           NE         16.05         16.10 n           NE1         16.05         16.10           E         16.10         16.15 n           SE         16.15         16.20 n		2	0 161 0 182 106	98 52 104 62 34	no n no n	clear	9.19	10	10 1 10	NE	19 diy	6	αγ	oddas at A tuichatos read junction oddar control increaser.
T Walker 22/03/2011 Excevaring in prids J5/IS/IB/H8/bed turning T Walker 22/03/2011 Excevaring in grids J5/IS/IB/H8/bed turning	E 16.10 16.15 n SE 16.15 16.20 n		2	0 171		no n no n	clear	9.632	10	no no					
T Walker 22/03/2011 Excavating in grids J5/15/16/H6/bed turning T Walker 22/03/2011 Excavating in grids J5/15/16/H6/bed turning		2 odour control/solvents	3 -2 4 5	0 104	61 61 64	no n no n			10	ha ha					
T Waker 22/03/2011 Excervating in grids JS/IS/IB/HB/bad turning T Waker 22/03/2011 Excervating in grids JS/IS/IB/HB/bad turning	SW 16.25 16.30 y W 16.30 16.35 y NW 16.35 16.40 y	2 edour control/solvents 3 edour control 1 edour control	-1 4 5	0 104 0 26	72	no n no n 7 no n		9.191	10	no no			0	4.	no odour at church
I Stephenson (23/03/2011) Excervating in grids J5/5/6/H6/bed turning I Stephenson (23/03/2011) Excervating in grids J5/5/6/H6/bed turning	NE 12.30 12.35 n NE 12.25 12.30 n NE1 12.20 12.25		2	0 156	20 00. 22 54. 33.5	5 no n	clear	9.191	10	na	4 (24	15.1 sunny	0	uy	N GOOD & CHACH
1 Stephenson 23/03/2011 Excervating in grids J5/15/18/H8/bed turning 1 Stephenson 23/03/2011 Excervating in grids J5/15/18/H8/bed turning	E 12.15 12.20 h SE 12.10 12.15 y	5 vegetation	2	0 62.9 0 0 38.9	\$7.	8 no n 8 no n	clear	9.632	10	no no					
1 Yanku 2200011 telakong pada Andelsku hung Baghana 200011 telakong pada Andelsku hung Baghana 200011 Sanading pada Andelsku hung Sanatana 200011 Sanading pada Andelsku hung Sanatana 200011 Sanading pada Andelsku hung	NW         16.30         16.40 yr           N         12.30         12.35 in           NE         12.25         12.30 in           NE1         12.20 in         12.25           E         12.15 in         12.20 in           SE         12.10 in         12.15 in           S         12.00 in         12.15 in           SW         12.00 in         12.10 yr           SW         12.00 in         12.00 in	6 blossom 3 mustroom compost delivery	3 3 1 1 4 3	0		no n 7 no n		r	10 10						
1 Staphenson 23/00/2011 Excavating in pids JSI5/B6H8/bed turning 1 Staphenson 23/00/2011 Excavating in pids JSI5/B6H8/bed turning 1 Staphenson 23/00/2011 Excavating in pids J8	W 1.55 12.00 y NW 11.50 11.55 y N 17.55 18.00 h	5 mushroom compost delivery 4 slight chlorinated phenol smell	2 4 p 0 2 1	0 24.8	30.2 66. 66.	2 no n 8 no n 3 no n	ripar	9 101	10	cover compost once delivery complete check odour control/more foggers	NE	16.5 sunny	0	diy	to odour at church consistent with wind direction
Saphana         220201         Saukana (J. 20201)           Saphana         220201         Saukana (J. 2020)	NE 17.50 17.56 n NE1 17.45 17.50 E 17.40 17.45 y		2	0	55.	.6 no n	clear		10	no no		in any		-	
Shiphenson 23002011 Excavating in grids J8	E 17.40 17.45 y SE 17.35 17.40 y	4 vegetation 4 vegetation	-1 2 1 -1 3 1	0	50. 56	6 no n 6 no n 6 no n	dear	9.632	10	ha ha					
	SE         17.35         17.40 y           S         17.30         17.35 h           SW         17.25         17.30 y           W         17.20 17.25 y           NW         17.15 17.20 y           N         9.00 9.05 h	5 pollen, fresh linen oc	3	0 0 0 0 0 0 171 0 81 73	49. 73.	6 no n 7 no n			10	no ho reposition fogger					
Stephenson 23032011 Excavating in grids J6 Stephenson 23032011 Excavating in grids J6 Walker 24032011 Excavating in grids J6	NW 17.15 17.20 y NW 17.15 17.20 y N 9.00 9.05 n	4 pesticides 2 fresh linen odour control	0 2 5	0 171	78 88	1 no n no n	dear	9.189	10	neposition rogger no	_		_		
T Walker 24(03/2011 bed turning T Walker 24(03/2011 bed turning T Walker 24(03/2011 bed turning	NE 9.08 9.10 m		2	0 81 73	61 52 31	no n	clear clear		10	no no					
T Walker 2403/2011 Bad suming T Walker 2403/2011 Bad suming T Walker 2403/2011 Bad suming	NE1 9.10 9.15 E 9.15 9.20 n SE 9.20 9.25 n		2	0 186	91 58 60	no n no n	clear	9.631	10 10	na ha					
T Waker 24/03/2011 Bed turning T Waker 24/03/2011 Bed turning T Waker 24/03/2011 Bed turning	8 9.25 9.30 n SW 9.30 9.35 n W 9.35 9.40 y NW 9.40 9.45 n N 16.00 16.05 n	2 Infrar control	3 4 5	0 195	57 36 71	no n no n no n			10	10					
TWalker 2402011 bed suring TWalker 2402011 bed suring TWalker 2402011 bed suring TWalker 2402011 bed suring	NW 9.40 9.45 n N 16.00 16.05 n		2	0	70	00 0 00 0	clear	9.189	10	na na	NE	17 diy	3	dry	
T.Waker         24002011 bed turning	NE         16.05         16.10 n           NE1         16.05         16.10           E         16.01         16.15 n           SE         16.15         16.20 n		2	0	58	no n	clear clear	9.631	10 10	no no					
r waawa 24k032011 Bed tuming T Walker 24032011 Bed tuming T Walker 24032011 Bed tuming	E 16.10 16.15 n SE 16.15 16.20 n S 16.20 16.24 a	1 adour control	3	0	59 60	00 0	clear	p.631	10	10 10					
T Walker 24/03/2011 bed suming T Walker 24/03/2011 bed suming T Walker 24/03/2011 bed suming	S         16.20         18.25 n           SW         16.25         16.30 n           W         16.35 n         16.35 n           NW         16.35         16.40 n	- Model Satisfied		0 0	67 71	no n no n			10	ha ha					
T Walker 24002011 bed turning T Walker 25002011 bed turning T Walker 25002011 bed turning			2	0	67 61	no n no n	clear	9.191	10	to 10 4	E	16 diy	1	dry	
T Walker 25/03/2011 Bed turning T Walker 25/03/2011 Bed turning T Walker 25/03/2011 Bed turning	NE 11.50 11.55 n NE1 11.50 11.55 E 11.55 12.00 n		2	0	58	no n	clear	28.92	10	ha ha			+		
T Walker 25/03/2011 Bed suring T Walker 25/03/2011 Bed suring T Walker 25/03/2011 Bed suring	E 11.55 12.00 n SE 12.00 12.05 n S 12.05 12.10 n		3	0	58	no n no n	Titleu		10	no no	-		-		
T Walker 25/03/2011 bid turning T Walker 25/03/2011 bid turning	SW 12.10 12.15 n W 12.15 12.20 n NW 12.20 12.25 y		4	0 0	60 60	no n no n			10	ha ha					
TWaker         29002011 aed taming           TWaker         29002011 bed taming           TWaker         25002011 bed taming	NW 12.20 12.25 y N 14.00 14.05 n NE 14.05 14.10 n	2 pesticides	-1 2 5	0 187	30 61	no n no n no n	clear	9.191	10	60 60 7	E	17 dry	2	dry	Compliaints from church road but no odours detected when visiter
T Walker 25/03/2011 bed turning T Walker 25/03/2011 bed turning T Walker 25/03/2011 bed turning	NE 14.05 14.10 n NE1 14.10 14.15 E 14.15 14.20 n		2	0 94 76 0 104	49 50 101 21 50	no n	clear	9.6%2	( (	10 10					
T Walker         25/03/2011 bed suming	NE1 14.10 14.15 E 14.15 14.20 n SE 14.20 14.25 n S 14.25 14.30 n		3	0 204	62 187 52	no n	- 64	104	10	ho ho					
T Walker 25/03/2011 bed turning T Walker 25/03/2011 bed turning	S         14.25         14.30 n           SW         14.20 14.28 n         14.28 n           W         14.28 14.30 n         14.30 n           NW         14.30 14.35 n         14.35 n           NW         14.30 10.15 n         10.15 n           NE         10.05 10.10 n         10.10 n		4 4	0 171	47 41 71	no n ho n ho n ho n ho n ho n ho n			10 10	no no					
T Walker 25032011 bed suming T Walker 25032011 bed suming T Walker 28032011 bed suming	NW 14.30 14.35 n N 10.00 10.15 n		2	0 161	80 36 56	no n no n	clear	9.19	10	no no	N	15 diy	8	dry	complaint from The Lane 9.25 no odours were found
1 Walker 28/03/2011 bed turning T Walker 28/03/2011 bed turning T Walker 28/03/2011 bed turning			2	204	71 61 71 102 28	no n no n	clear	9.631	10	na na visitari area					
T Walker 28/03/2011 bed suming T Walker 28/02/2011 bed suming T Walker 28/02/2011 bed suming	E 10.10 10.15 h SE 10.15 10.20 h S 10.20 10.25 h SW 10.25 10.30 h W 10.35 10.40 h		3	0 87	60 17 62	no n			10	na na					
T Walker 28/03/2011 bed turning	SW 10.25 10.30 m		4		80				10	10					
1 Waker 2000/2011 Seb uming	W 10.30 10.35 h		4	0 143	27 78	no n			10	80					
Valuer 28/03/011 bid suming Supphension 28/03/2011 bid suming Supphension 28/03/2011 bid suming			4 04 04	0 87 0 143 0 143	27 78 76 69.	00 0 00 0 00 0 1 00 0	clear	9.19	10 10	no no no 4	.5 8	11 sunny spells	4	dry	no odour at churdh, duaismase on charge
T Walker         2020201         ad xmmig           T Walker         2020201         ad xmmig           T Walker         2020201         ad xmmig           Staphanen         2020201         ad xmmig	N 16.00 16.05 n NE 16.05 16.10 n NE1 16.10 16.15		4 2 2 2 2 2	0	43.	8 no n 5 no n	clear clear clear clear	9.19	10 10 10 10 10	10 10 10 10 10 10 10 10 10 10 10 10 10 1	.5 8	11 sunny spells	4	άγ	no odour at church, dustiniana on changa
Totalism         2003/201         add summy           Displanence         2003/2011         add summy           Singhanence         2003/2011         add summy	N 16.00 16.05 n NE1 16.05 16.10 n NE1 16.10 16.15 E 16.15 16.20 n SE 16.20 16.25 n S 16.25 16.20 n		2 3 3	0 0 0 0	43. 52. 63. 64.	5 no n 2 no n 8 no n	claar claar claar claar claar	9.19 9.631	10 10 10 10 10 10 10 10	10 10 10 10 10 10 10 10 10 10 10 10 10 1	5 8	11 survry spells	4	dry	in solar al church, acclimate on charge
Tituka         2002001         del hang           Titukaka         2002001         del hang           Barkenca         2002001         del hang	N 16.00 16.05 n NE1 16.05 16.10 n NE1 16.10 16.15 E 16.15 16.20 n SE 16.20 16.25 n S 16.25 16.20 n	A     Aday control slight peedicities road turnes     A     Aday control slight peedicities road turnes     A	2 3 3	0 0 0 0	43. 52. 63. 64. 70. 72.	8 00 0 5 00 0 2 00 0 8 00 0 6 00 0 1 00 0	claar claar claar claar claar	9.19	10 10 10 10 10 10 10 10 10 10 10	10 10 10 10 10 10 10 10 10 10 10 10 10 1	.5 8		4	dıy	is alour a' church, duamaa un danga
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T Walker 29/03/2011 bed turning	N         16.00         16.05         n.00           NE         16.05         16.10         n.00           NE         16.05         16.10         n.00           NE         16.10         16.15         16.20         n.00           SE         16.20         16.25         16.20         n.00         SU           S         116.25         116.26         116.30         n.00         SW         116.30         n.00         NW         116.40         T         N.00         0.00         N.00         N.00	deter central adopt pacificities, mar freese,     deter central adopt pacificities, mar freese,     deter centres     deter centres	2 3 4 -1 4 3 -1 2 3 -1 2 3 -1 2 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0	43. 52. 63. 70. 72. 74. 81 58 58 63. 58 63. 58	8         no         n           5         no         n           2         ho         n           8         no         n           8         no         n           1         ho         n           10         no         n           no         n         n	chear chear chear chear chear chear chear chear	2.19 2.531 2.19 2.19 2.19	10 10 10 10 10 10 10 10 10 10 10 10 10 1	60 6			6	dry dry	er odour ar church, doalhaa on chuapa
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Testa         202020         at Junes           Testa         202020         at Long		2         Isolar control           4         4           5         4           6         4           7         Sdauf control           3         Sdauf control           4         4           5         Sdauf control	2 3 4 1 4 1 2 3 1 2 3 2 4 3 4 1 4 5 2 4 1 4 5 2 4 5 2 4 5 2 4 5 2 5 4 5 5 5 6 6 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	0	43. 52. 63. 64. 70. 72. 74. 74. 81. 58. 58. 58. 58. 58. 59. 59. 59. 59. 59. 59. 59. 59. 59. 59	8         No         P           5         No         N         P           5         No         N         P           8         No         N         P           1         Ro         P         P           10         No         P         P	Chief Chief	9.19	10 10 10 10 10 10 10 10 10 10	B           B           D	SW	15 Bry 19 dry	6	dry dry dry	n olor a blach, danten or denge
Testa         202020         at Junes           Testa         202020         at Long		2         Isolar control           4         4           5         4           6         4           7         Sdauf control           3         Sdauf control           4         4           5         Sdauf control	2 3 4 1 4 1 2 3 1 2 3 2 4 3 4 1 4 5 2 4 1 4 5 2 4 5 2 4 5 2 4 5 2 5 4 5 5 5 6 6 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	B         B           B         B	433 42 43 44 44 45 45 45 45 45 45 45 45 45 45 45	No         No           10         10           2         10           2         10           2         10           2         10           6         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10           70         10	Chief Chief	5.19 5.532	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Bartonic	SW SE	15 dry 19 dry	8	dry	n dia' i Jurk Antha o Any
Troba         202001         at 1000	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Objer control	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0         0           0         0	43.45	No         No           2         No         No           2         No         No           2         No         No           1         No         No           2         No         No           2         No         No           2         No         No           2         No         No           30         No         No           10         No         No	Char Shar Char Char Char Char Char Char Char C	9.19	10 10 10 10 10 10 10 10 10 10	Support         Support           Support         <	SW	15 diy 19 diy 19 diy 14 diy	6 6 7 8 8 8 8 8	dry	n diar a Aniha or Aug
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BML         202020         202020           BML         202020         20102           BML	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3         bbs/ onesid           4         4           4         4           4         4           4         4           5         4           7         4           8         4           7         4           8         4           9         4           10         4           11         4           12         4           13         4           14         4           15         4           16         4           17         4           18         4           19         4           10         4           11         4           12         4           13         4           14         4           15         4           16         4           17         4           18         4           19         4           10         4           10         4           11         4           12         4 <tr td=""></tr>		0         -           0         -	45.         5.           92.         5.1           97.         7.7           97.         7.7           97.         7.7           97.         7.7           97.         7.7           97.         7.7           97.         6.0           97.         7.0           97.         7.0           97.         7.0           97.         7.0           97.         7.0           97.	D         D           D         D	NU	3.19 3.632 8.191		Support         Support <t< td=""><td>SW SW S</td><td>1         1           3         0           4         1           5         0           6         1           7         0           8         1           9         1           10         0           11         0           12         0           13         1           14         0           15         1           14         0           15         1           14         0           15         1           16         1           17         10           18         1           19         1           10         1           10         1           11         1           12         1           13         1           14         1           15         1           16         1           17         10           18         1           19         1           10         1           10         1           <td< td=""><td>8</td><td>dy</td><td></td></td<></td></t<>	SW S	1         1           3         0           4         1           5         0           6         1           7         0           8         1           9         1           10         0           11         0           12         0           13         1           14         0           15         1           14         0           15         1           14         0           15         1           16         1           17         10           18         1           19         1           10         1           10         1           11         1           12         1           13         1           14         1           15         1           16         1           17         10           18         1           19         1           10         1           10         1 <td< td=""><td>8</td><td>dy</td><td></td></td<>	8	dy	
BML         202020         202020           BML         202020         20102           BML	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3     bbar ontal       4     4       4     4       4     4       4     4       4     4       5     4       6     4       7     4       8     4       9     4       9     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       10     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       19     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       19		D	35         37           37         37           38         38           39         38           30         38           31         38           32         38           33         38           34         38           35         38           36         38           37         38           38         38           39         38           30         38           31         38           36         38           37         37           38         39           39         39           30         38           31         30           32         39           34         30           35         36           36         36           37         37           38         37           37         37           37         37           37         37           38         38           39         38           30         38           30         <	D         D           D         D	Note           Note           Service           Servi	3.19 3.632 8.191		Bartonica         Bartonica	SW S	1         1           3         0           4         1           5         0           6         1           7         0           8         1           9         1           10         0           11         0           12         0           13         1           14         0           15         1           14         0           15         1           14         0           15         1           16         1           17         10           18         1           19         1           10         1           10         1           11         1           12         1           13         1           14         1           15         1           16         1           17         10           18         1           19         1           10         1           10         1 <td< td=""><td>8</td><td>dy</td><td></td></td<>	8	dy	
PBAL         202020         201000           PBAL         202020         201000 <td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td> <td>3         bbs/ onesid           4         4           4         4           4         4           4         4           5         4           7         4           8         4           7         4           8         4           9         4           10         4           11         4           12         4           13         4           14         4           15         4           16         4           17         4           18         4           19         4           10         4           11         4           12         4           13         4           14         4           15         4           16         4           17         4           18         4           19         4           10         4           10         4           11         4           12         4      <tr td=""></tr></td> <td>D         D         D           I         I         I         I           I         I         I         I           I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I</td> <td>0         -           0         -</td> <td>43         43           42         77           41         43           41         44           42         44           43         44           44         44           45         44           46         44           47         44           48         46           49         46           40         46           40         46           40         46           40         46           41         47           42         47           43         47           44         48           44         47           44         47           44         48           44         48           44         48           44         48           44         48           44         48           44         48           44         48           46         48           46         48</td> <td>D         D           D         D</td> <td>No           No           No</td> <td>3.19 3.632 8.191</td> <td></td> <td>Bartonica         Bartonica           Bartonica         Bartonica</td> <td>SW SW S</td> <td>1         1           3         0           4         1           5         0           6         1           7         0           8         1           9         1           10         0           11         0           12         0           13         1           14         0           15         1           14         0           15         1           14         0           15         1           16         1           17         10           18         1           19         1           10         1           10         1           11         1           12         1           13         1           14         1           15         1           16         1           17         10           18         1           19         1           10         1           10         1           <td< td=""><td>8</td><td>dy</td><td></td></td<></td>	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3         bbs/ onesid           4         4           4         4           4         4           4         4           5         4           7         4           8         4           7         4           8         4           9         4           10         4           11         4           12         4           13         4           14         4           15         4           16         4           17         4           18         4           19         4           10         4           11         4           12         4           13         4           14         4           15         4           16         4           17         4           18         4           19         4           10         4           10         4           11         4           12         4 <tr td=""></tr>	D         D         D           I         I         I         I           I         I         I         I           I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I	0         - 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PBAL         202020         201000           PBAL         202020         201000 <td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td> <td>3     bbar ontal       4     4       4     4       4     4       4     4       4     4       5     4       6     4       7     4       8     4       9     4       9     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       10     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       19     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       19</td> <td>D         D         D           I         I         I         I           I         I         I         I           I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I</td> <td>0         -           0         -</td> <td></td> <td>D         D           D         D</td> <td>No           No           No</td> <td>3.19 3.632 8.191</td> <td></td> <td>Buildent         Buildent           Buildent         Buildent           Superson         Buildent&lt;</td> <td>SW SW S</td> <td>1         1           3         0           4         1           5         0           6         1           7         0           8         1           9         1           10         0           11         0           12         0           13         1           14         0           15         1           14         0           15         1           14         0           15         1           16         1           17         10           18         1           19         1           10         1           10         1           11         1           12         1           13         1           14         1           15         1           16         1           17         10           18         1           19         1           10         1           10         1           <td< td=""><td>8</td><td>dy</td><td></td></td<></td>	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3     bbar ontal       4     4       4     4       4     4       4     4       4     4       5     4       6     4       7     4       8     4       9     4       9     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       10     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       19     4       10     4       11     4       12     4       13     4       14     4       15     4       16     4       17     4       18     4       19     4       19	D         D         D           I         I         I         I           I         I         I         I           I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I	0         - 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PBAL         202001         201001           PBAL         20201         201001 <t< td=""><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>3     bbar ontal       4     and antal       4     and antal       4     and antal       5     bbar ontal       1     bbar ontal       2     bbar ontal       3     bbar ontal       3     bbar ontal       4     and antal       7     bbar ontal       8     bbar ontal       9     bbar ontal       10     bbar ontal       11     bbar ontal       12     bbar ontal       13     bbar ontal       14     bbar ontal       15     bbar ontal       16     bbar ontal       17     bbar ontal       18     bbar ontal patiolas on bbar       19     and bbar ontal patiolas on bbar       10     and bbar ontal patiolas on bbar       11     and bbar ontal patiolas on bbar       12     and bbar ontal patiolas on bbar       13     and bbar ontal patiolas on bbar       14     and bbar ontal patiolas on bbar</td><td>D         D         D           I         I         I         I           I         I         I         I           I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I</td><td>D        </td><td></td><td>D         D           D         D         D</td><td>Note           Note           Service           Servi</td><td>3.19 3.632 8.191</td><td></td><td>Bartonica           Bartonica           <td< td=""><td>SW SW S</td><td>1         1           3         0           4         1           5         0           6         1           7         0           8         1           9         1           10         0           11         0           12         0           13         1           14         0           15         1           14         0           15         1           14         0           15         1           16         1           17         10           18         1           19         1           10         1           10         1           11         1           12         1           13         1           14         1           15         1           16         1           17         10           18         1           19         1           10         1           10         1           <td< td=""><td>8</td><td>dy</td><td></td></td<></td></td<></td></t<>	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3     bbar ontal       4     and antal       4     and antal       4     and antal       5     bbar ontal       1     bbar ontal       2     bbar ontal       3     bbar ontal       3     bbar ontal       4     and antal       7     bbar ontal       8     bbar ontal       9     bbar ontal       10     bbar ontal       11     bbar ontal       12     bbar ontal       13     bbar ontal       14     bbar ontal       15     bbar ontal       16     bbar ontal       17     bbar ontal       18     bbar ontal patiolas on bbar       19     and bbar ontal patiolas on bbar       10     and bbar ontal patiolas on bbar       11     and bbar ontal patiolas on bbar       12     and bbar ontal patiolas on bbar       13     and bbar ontal patiolas on bbar       14     and bbar ontal patiolas on bbar	D         D         D           I         I         I         I           I         I         I         I           I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I	D		D         D           D         D         D	Note           Note           Service           Servi	3.19 3.632 8.191		Bartonica           Bartonica <td< td=""><td>SW SW S</td><td>1         1           3         0           4         1           5         0           6         1           7         0           8         1           9         1           10         0           11         0           12         0           13         1           14         0           15         1           14         0           15         1           14         0           15         1           16         1           17         10           18         1           19         1           10         1           10         1           11         1           12         1           13         1           14         1           15         1           16         1           17         10           18         1           19         1           10         1           10         1           <td< td=""><td>8</td><td>dy</td><td></td></td<></td></td<>	SW S	1         1           3         0           4         1           5         0           6        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PBAL         202020         20109           PBAL         20200         20109           PBAL         20200         20109           PBAL         20200         20109           PB		3     bbar ontal       4     and antal       4     and antal       4     and antal       5     bbar ontal       1     bbar ontal       2     bbar ontal       3     bbar ontal       3     bbar ontal       4     and antal       7     bbar ontal       8     bbar ontal       9     bbar ontal       10     bbar ontal       11     bbar ontal       12     bbar ontal       13     bbar ontal       14     bbar ontal       15     bbar ontal       16     bbar ontal       17     bbar ontal       18     bbar ontal patiolas on bbar       19     and bbar ontal patiolas on bbar       10     and bbar ontal patiolas on bbar       11     and bbar ontal patiolas on bbar       12     and bbar ontal patiolas on bbar       13     and bbar ontal patiolas on bbar       14     and bbar ontal patiolas on bbar	D         D         D           I         I         I         I           I         I         I         I           I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I	D		D         D           D         D	Nat	515 515 515 515 5150 5150 5150 5150 515		Barborn         Barborn         Barborn           Barborn         Barborn <td< td=""><td>527 527 527 527 527 527 527 527 527 527</td><td>1         1           3         2           3         2           3         2           3         2           3         2           3         2           3         2           3         2           4         2</td><td></td><td>day day wet day</td><td></td></td<>	527 527 527 527 527 527 527 527 527 527	1         1           3         2           3         2           3         2           3         2           3         2           3         2           3         2           3         2           4         2		day day wet day	
Proba         202000         201000           Proba         202001		3     bbar ontal       4     and antal       4     and antal       4     and antal       5     bbar ontal       1     bbar ontal       2     bbar ontal       3     bbar ontal       3     bbar ontal       4     and antal       7     bbar ontal       8     bbar ontal       9     bbar ontal       10     bbar ontal       11     bbar ontal       12     bbar ontal       13     bbar ontal       14     bbar ontal       15     bbar ontal       16     bbar ontal       17     bbar ontal       18     bbar ontal patiolas on bbar       19     and bbar ontal patiolas on bbar       10     and bbar ontal patiolas on bbar       11     and bbar ontal patiolas on bbar       12     and bbar ontal patiolas on bbar       13     and bbar ontal patiolas on bbar       14     and bbar ontal patiolas on bbar	Image: sector	D         D           D         D		D         D           D         D	A           A	3.19 3.632 8.191		Buildent         Buildent           Buildent         Buildent<	527 527 527 527 527 527 527 527 527 527	1         3           2         4           3         5           3         5           3         5           3         5           3         5           3         5           3         5           3         5           3         5           4         5           5         5           4         5           5         5           4         5           5         5           5         5           6         5           6         5           7         5           7         5           7         5           7         5           7         5           7         5           7         5           7         5           7         5	8	day day wet day	
Proba         202000         201000           Proba         202001		3     bbar ontal       4     and antal       4     and antal       4     and antal       5     bbar ontal       1     bbar ontal       2     bbar ontal       3     bbar ontal       3     bbar ontal       4     and antal       7     bbar ontal       8     bbar ontal       9     bbar ontal       10     bbar ontal       11     bbar ontal       12     bbar ontal       13     bbar ontal       14     bbar ontal       15     bbar ontal       16     bbar ontal       17     bbar ontal       18     bbar ontal patiolas on bbar       19     and bbar ontal patiolas on bbar       10     and bbar ontal patiolas on bbar       11     and bbar ontal patiolas on bbar       12     and bbar ontal patiolas on bbar       13     and bbar ontal patiolas on bbar       14     and bbar ontal patiolas on bbar	Image: sector	D		D         D           D         D	Nat	515 515 515 515 5150 5150 5150 5150 515		Bartoria         Bartoria           Bartoria         Bartoria<	997 997 997 997 997 997 997 997	1         3         3         3           2         2         3         3           3         3         3         3           4         4         4         4           3         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4		day day wet day	
Probas         200000         201000           Probas         20000		3     bbar ontal       4     and antal       4     and antal       4     and antal       5     bbar ontal       1     bbar ontal       2     bbar ontal       3     bbar ontal       3     bbar ontal       4     and antal       7     bbar ontal       8     bbar ontal       9     bbar ontal       10     bbar ontal       11     bbar ontal       12     bbar ontal       13     bbar ontal       14     bbar ontal       15     bbar ontal       16     bbar ontal       17     bbar ontal       18     bbar ontal patiolas on bbar       19     and bbar ontal patiolas on bbar       10     and bbar ontal patiolas on bbar       11     and bbar ontal patiolas on bbar       12     and bbar ontal patiolas on bbar       13     and bbar ontal patiolas on bbar       14     and bbar ontal patiolas on bbar	Image: sector	D         D           D         D		D         D           D         D	Nat	515 515 515 515 5150 5150 5150 5150 515		Barborn         Barborn <t< td=""><td>997 997 997 997 997 997 997 997</td><td>1         3         3         3           2         2         3         3           3         3         3         3           4         4         4         4           3         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4</td><td></td><td>day day wet day</td><td></td></t<>	997 997 997 997 997 997 997 997	1         3         3         3           2         2         3         3           3         3         3         3           4         4         4         4           3         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4         4         4           4         4		day day wet day	
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 4		dy dy wel dy dy	

T Walker 01/04/2011 bed turning	NE1	12.35	12.40									1	clear		no	no			
T Walker 01/04/2011 bed turning	E	12.40	12.45 y	3	chicken compost -1	2	5	0		63	no	10	clear	9.631	00	no			
T Walker 01/04/2011 bed turning	SE	12.40	12.50 n			3		0		61	no	no			no	no			
T Walker 01/04/2011 bed turning	8	12.50				3		0		60	no	10			00	no			
T Walker 01/04/2011 bed turning	SW	13.00	13.05 n			4		0		50	no	10			00	no			
T Walker 01/04/2011 bed turning	W	13.05	13.10 m			4		0		60	no	no			no	00			
T Walker 01/04/2011 bed turning	NW	13.10	13.15 h			2		Ó		61	no	10			no	00			



Appendix C

Long term Passive VOC Monitoring





## LABORATORY ANALYSIS REPORT

REPORT NUMBER CUSTOMER GRADKO LAB REFERENCE DATE SAMPLES RECEIVED DESPATCH REF.NUMBER JOB NUMBER BOOKING IN REF. GCMS 4669 Vertase FLI Ltd GMSF 0433-0442 21.03.11 SOR004883 907BRI/5311 E1486

#### 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 06374
Exposure Time(mins)	40700
Sample ID	North

Top 10 VOC'S		
Compounds	ng on tube	ppb in air*
Tetrachloroethylene	132.64	1.63
Nonadecane	56.86	0.70
Toluene	56.18	0.69
Naphthalene	47.15	0.58
Octadecane	42.06	0.52
Heptadecane	24.15	0.30
Methylparaben	23.17	0.28
m/p-Xylene	18.12	0.22
Benzene	16.74	0.21
Propylparaben	14.71	0.18
Tube Number GRA 04117	7	
Exposure Time(mins) 40690		
Sample ID North East	t	
Top 10 VOC'S		
Compounds	ng on tube	ppb in air*
Tetrachloroethylene	134.25	1.65
Toluene	52.90	0.65
m/p-Xylene	50.13	0.62

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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**Report Number** GCMS4669

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	L. Gates, Laboratory Supervisor





LABORATOR	Y ANALYS	SIS REPOR	Т
o-Xylene		29.89	0.37
Trichloroethylene		23.93	0.29
Benzene		18.23	0.22
Ethylbenzene		17.43	0.21
Benzene, 1,2,4-trimethyl-		15.70	0.19
Naphthalene		14.79	0.18
Benzene, 1,2,3-trichloro-4-methyl-		13.07	0.16
Tube Number	GRA 06066		
Exposure Time(mins)	40685		
Sample ID	East		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		216.54	2.66
Toluene		168.99	2.08
m/p-Xylene		71.07	0.87
o-Xylene		43.11	0.53
Benzene		36.14	0.44
Naphthalene		32.96	0.41
Heptane, 2,2,4,6,6-pentamethyl-		30.61	0.38
Trichloroethylene		27.95	0.34
Ethylbenzene		25.68	0.32
Pentane, 2-methyl-		25.01	0.31
Tube Number	GRA 05672		
Exposure Time(mins)	40685		
Sample ID	South East		
Top 10 VOC'S			and the state
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		163.40	2.01
		86.54	1.06
m/p-Xylene		24.53	0.30
Trichloroethylene		19.13	0.24
Benzene, 1,2,3-trichloro-4-methyl-		17.49	0.21
Benzene		16.58	0.20
o-Xylene		16.22	0.20

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**Report Number** GCMS4669

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Signed	Katis
	L. Gates, Laboratory Supervisor

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LABORATOR	Y ANALYS	IS REPORT	Γ
Phenol		14.08	0.17
Naphthalene		12.92	0.16
Pentadecane		9.67	0.12
Tube Number Exposure Time(mins) Sample ID	GRA 04505 40685 South		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		53.44	0.66
Toluene		34.44	0.42
Benzene		26.14	0.32
Phenol		23.11	0.28
m/p-Xylene		20.34	0.25
o-Xylene		13.02	0.16
Trichloroethylene		8.54	0.10
Ethylbenzene		6.80	0.08
Dodecane		6.31	0.08
Benzonitrile		6.02	0.07
Tube Number	GRA 05944		
Exposure Time(mins)	40675		
Sample ID	South West		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		233.88	2.88
Toluene		108.97	1.34
m/p-Xylene		32.54	0.40
Trichloroethylene		30.09	0.37
Benzene, 1,2,3-trichloro-4-methyl-		24.98	0.31
Benzene		23.95	0.29
o-Xylene		16.62	0.20
Benzene, 1,2,4-trichloro-3-methyl-		12.54	0.15
Bis(2-chloroethyl) ether		12.36	0.15
Phenol		12.22	0.15

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## LABORATORY ANALYSIS REPORT

Tube Number Exposure Time(mins) Sample ID	GRA 02841 40635 WWTW		
Top 10 VOC'S Compounds		ng on tube	ppb in air*
Toluene		21.25	0.26
Benzene		21.18	0.26
Tetrachloroethylene		17.01	0.21
Phenol		15.51	0.19
m/p-Xylene		13.32	0.16
o-Xylene		12.33	0.15
Pentadecane		8.34	0.10
Benzamide, N,N-dimethyl-		7.85	0.10
Hexadecane		7.23	0.09
Undecane		7.08	0.09
Tube Number Exposure Time(mins) Sample ID	GRA 05635 40650 North West		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		119.19	1.47
Toluene		81.77	1.01
m/p-Xylene		62.50	0.77
o-Xylene		26.66	0.33
Trichloroethylene		24.73	0.30
Benzene		20.68	0.25
Ethylbenzene Benzene 123 triphlere 1 methyl		19.57	0.24 0.22
Benzene, 1,2,3-trichloro-4-methyl- Phenol		18.03 17.07	0.22
Naphthalene, 2-methyl-		15.52	0.21 0.19
Naphalaiene, z-meuryi-		10.02	0.13

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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	L. Gates, Laboratory Supervisor





## LABORATORY ANALYSIS REPORT

Tube Number Exposure Time(mins) Sample ID	GRA 03895 40560 Church Road		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Naphthalene		97.33	1.20
Toluene		24.55	0.30
Benzene		21.60	0.27
Tetrachloroethylene		18.14	0.22
m/p-Xylene		17.66	0.22
Naphthalene, 2-methyl-		17.10	0.21
Phenol		16.20	0.20
o-Xylene		15.10	0.19
Tetradecane		11.52	0.14
Naphthalene, 1-methyl-		10.14	0.12
Tube Number Exposure Time(mins) Sample ID	GRA 05270 40680 Queen's Close		

Top 10 VOC'S	ng on tubo	nnh in air*
Compounds	ng on tube	ppb in air*
m/p-Xylene	44.22	0.54
Toluene	40.07	0.49
Ethylbenzene	26.23	0.32
o-Xylene	25.26	0.31
Benzene	22.53	0.28
Phenol	15.60	0.19
Naphthalene	12.03	0.15
Benzene, 1,2,4-trimethyl-	11.25	0.14
Undecane	8.37	0.10
Tetrachloroethylene	8.32	0.10

Semi-quantitative results for ng on tube are calculated using toluene standards. Analysts Name M.Angelova Date of Analysis 23.03.11 Date of Report 24.03.11

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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Appendix D

**Directional Dust Monitoring** 



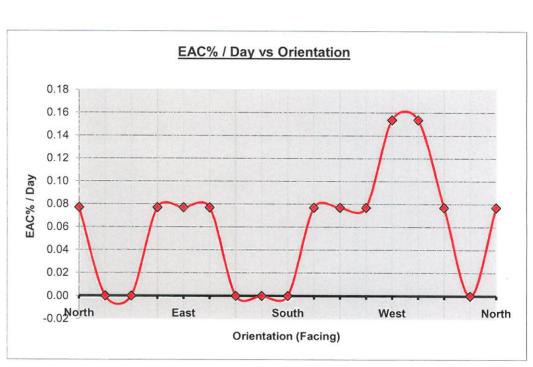
Sticky Pad Data

### Gauge Number-North Location 907BRI

Sticky Pad Data

Date On 22/02/2011 Date Off 07/03/2011 Days = 13 Clean = 90

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.08
20	90	337		0.00
40	89	314		0.08
60	88	291		0.15
80	88	269	West	0.15
100	89	246		0.08
120	89	223		0.08
140	89	200		0.08
160	90	177	South	0.00
180	90	154		0.00
200	90	131		0.00
220	89	109		0.08
240	89	86	East	0.08
260	89	63		0.08
280	90	40		0.00
300	90	17		0.00
315	89	0	North	0.08



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

The calculation is based on taking readings at 20mm intervals along the sticky pad.



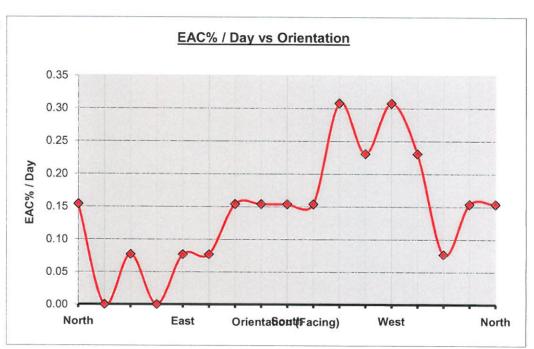
Sticky Pad Data

## Gauge Number-East Location 907BRI

Sticky Pad Data

Date On 22/02/2011 Date Off 07/03/2011 Days = 13 Clean = 90

				in the second
X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	88	360	North	0.15
20	88	337		0.15
40	89	314		0.08
60	87	291		0.23
80	86	269	West	0.31
100	87	246		0.23
120	86	223		0.31
140	88	200		0.15
160	88	177	South	0.15
180	88	154		0.15
200	88	131		0.15
220	89	109		0.08
240	89	86	East	0.08
260	90	63		0.00
280	89	40		0.08
300	90	17		0.00
315	88	0	North	0.15



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

The calculation is based on taking readings at 20mm intervals along the sticky pad.



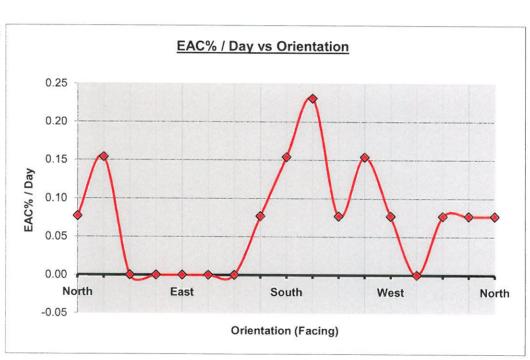
Sticky Pad Data

## Gauge Number-West Location 907BRI

Sticky Pad Data

Date On	22/02/2011	Date Off	07/03/2011	Days =	13
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.08
20	89	337		0.08
40	89	314		0.08
60	90	291		0.00
80	89	269	West	0.08
100	88	246		0.15
120	89	223		0.08
140	87	200		0.23
160	88	177	South	0.15
180	89	154		0.08
200	90	131		0.00
220	90	109		0.00
240	90	86	East	0.00
260	90	63		0.00
280	90	40		0.00
300	88	17		0.15
315	89	0	North	0.08



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

The calculation is based on taking readings at 20mm intervals along the sticky pad.



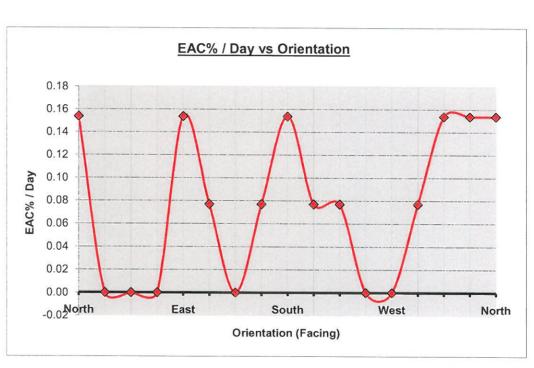
Sticky Pad Data

## Gauge Number-NE1 Location 907BRI

Sticky Pad Data

Date On	22/02/2011	Date Off	07/03/2011	Days =	13
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	88	360	North	0.15
20	88	337		0.15
40	88	314		0.15
60	89	291		0.08
80	90	269	West	0.00
100	90	246		0.00
120	89	223		0.08
140	89	200		0.08
160	88	177	South	0.15
180	89	154		0.08
200	90	131		0.00
220	89	109		0.08
240	88	86	East	0.15
260	90	63		0.00
280	90	40		0.00
300	90	17		0.00
315	88	0	North	0.15



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

2	Chemtest
	The right chemistry to deliver results

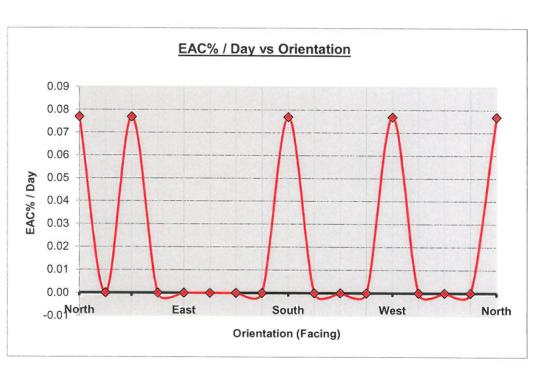
Sticky Pad Data

## Gauge Number-NE2 Location 907BRI

Sticky Pad Data

Date On 22/02/2011 Date Off 07/03/2011 Days = 13 Clean = 90

V Avia mana	Matar		Orientation	EAON ID
X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.08
20	90	337		0.00
40	90	314		0.00
60	90	291		0.00
80	89	269	West	0.08
100	90	246		0.00
120	90	223		0.00
140	90	200		0.00
160	89	177	South	0.08
180	90	154		0.00
200	90	131		0.00
220	90	109		0.00
240	90	86	East	0.00
260	90	63		0.00
280	89	40		0.08
300	90	17		0.00
315	89	0	North	0.08



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.



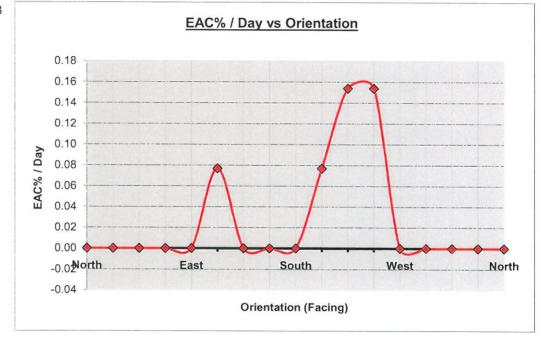
Sticky Pad Data

## Gauge Number-South Location 907BRI

Sticky Pad Data

Date On 22/02/2011 Date Off 07/03/2011 Days = 13 Clean = 90

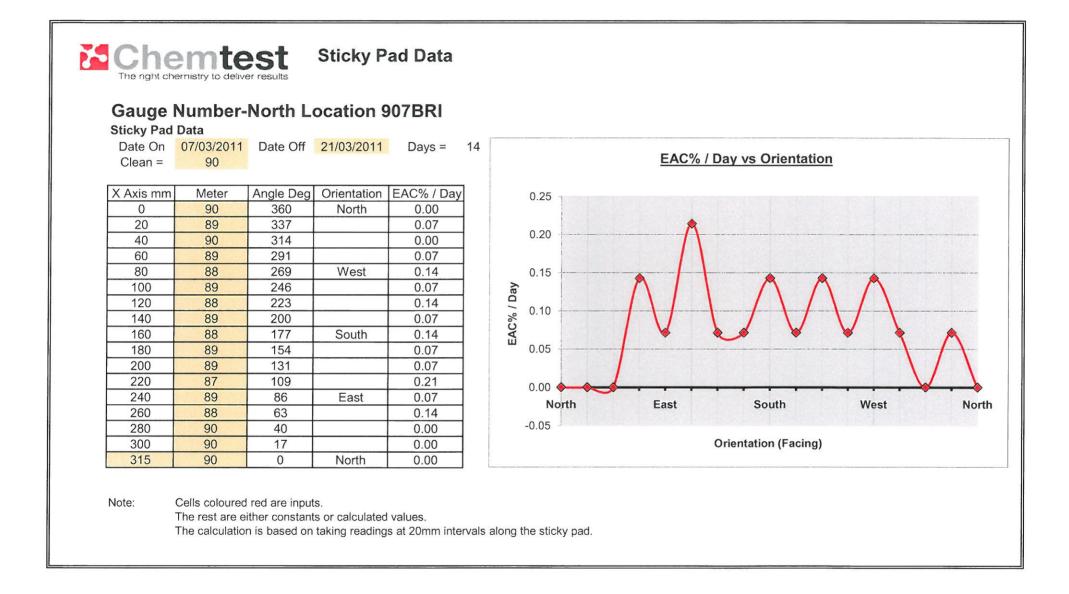
X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	90	360	North	0.00
20	90	337		0.00
40	90	314		0.00
60	90	291		0.00
80	90	269	West	0.00
100	88	246		0.15
120	88	223		0.15
140	89	200		0.08
160	90	177	South	0.00
180	90	154		0.00
200	90	131		0.00
220	89	109		0.08
240	90	86	East	0.00
260	90	63		0.00
280	90	40		0.00
300	90	17		0.00
315	90	0	North	0.00

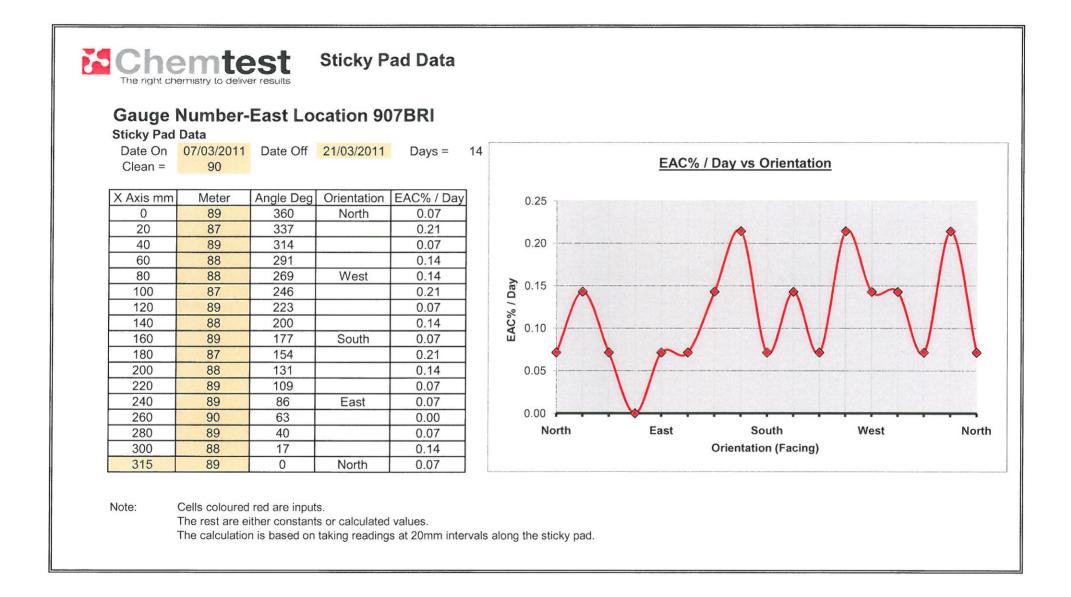


Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.





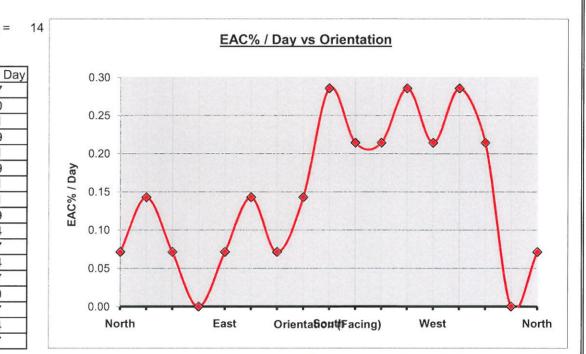
7-	Ch	em	te	st	Sticky	Pad Data	l
	The right	chemistry	to deliver	results			

## Gauge Number-West Location 907BRI

#### Sticky Pad Data

Date On	07/03/2011	Date Off	21/03/2011	Days =
Clean =	90			

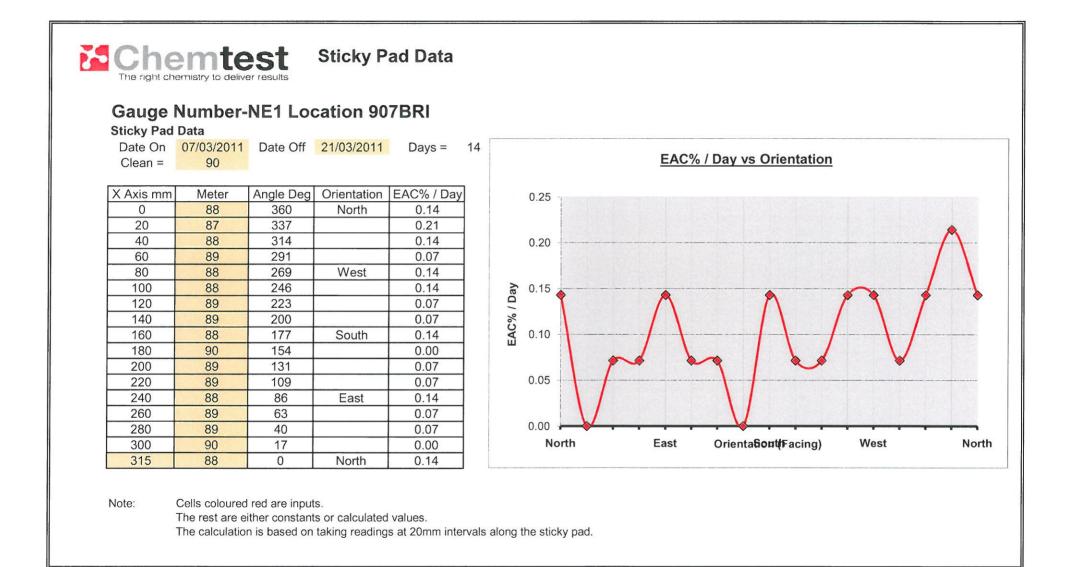
X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.07
20	90	337		0.00
40	87	314		0.21
60	86	291		0.29
80	87	269	West	0.21
100	86	246		0.29
120	87	223		0.21
140	87	200		0.21
160	86	177	South	0.29
180	88	154		0.14
200	89	131		0.07
220	88	109		0.14
240	89	86	East	0.07
260	90	63		0.00
280	89	40		0.07
300	88	17		0.14
315	89	0	North	0.07

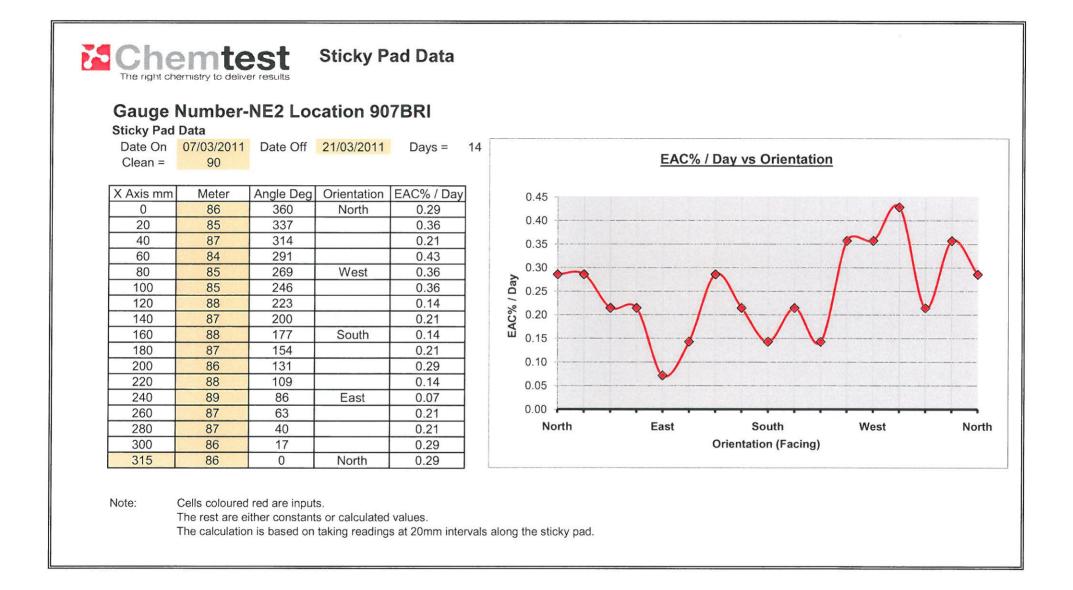


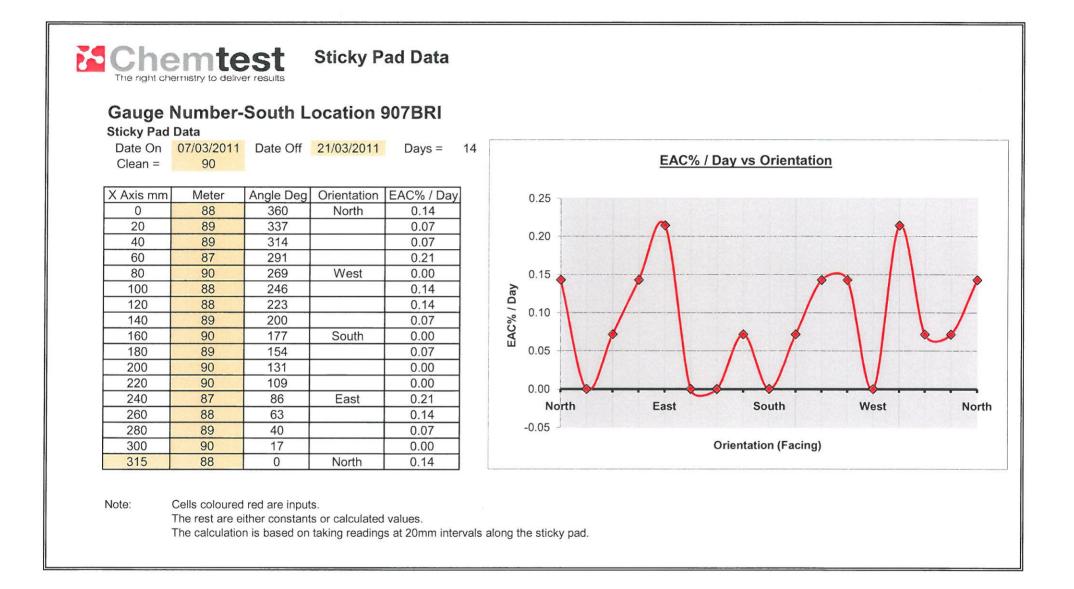
Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.









Appendix E Groundwater Level Data

Date	BH6/06	S3/4	BH4	BH10B/06	BH9	S1/8	BH11*	S2/6	BHB1	W1 (n)	W2	W3 (s)	Riddy 1	Riddy 2	Riddy 3	Riddy 4	V F12	V N3	WS16	P107	P73
28/02/2011	10.170	10.410	9.814	Covered	10.638	Lost	9.761	Covered	9.300	No Access	No Access	9.761	9.195	9.295	9.549	9.645	10.130	10.200	No Access	No Access	No Access
01/03/2011	10.293	10.398	9.953	Covered	10.628	Lost	9.744	Covered	9.389	No Access	No Access	9.747	9.194	9.301	9.549	9.647	10.075	10.200	10.216	10.282	10.513
02/03/2011	10.290	10.393	9.944	Covered	10.617	Lost	9.744	Covered	9.411	No Access	No Access	9.740	9.194	9.299	9.549	9.648	10.067	10.194	No Access	No Access	No Access
03/03/2011	10.281	10.371	9.934	Covered	10.612	Lost	9.741	Covered	9.430	No Access	No Access	9.737	9.196	9.298	9.550	9.646	10.063	10.192	No Access	No Access	No Access
04/03/2011	10.280	10.390	9.924	Covered	10.610	Lost	9.722	Covered	9.500	No Access	No Access	9.733	9.194	9.298	9.548	9.649	10.058	10.197	10.212	10.225	10.468
07/03/2011	10.249	10.388	9.874	Covered	10.607	Lost	9.702	Covered	9.540	No Access	No Access	9.681	9.195	9.292	9.550	9.649	10.048	10.186	10.212	10.215	10.470
08/03/2011	10.241	10.381	9.873	Covered	10.577	Lost	9.692	Covered	9.538	No Access	No Access	9.674	9.197	9.286	9.536	9.638	10.005	10.170	10.205	10.206	10.458
09/03/2011	10.240	10.370	9.874	Covered	10.566	Lost	9.705	Covered	9.536	No Access	No Access	9.660	9.196	9.285	9.535	9.639	10.002	10.161	10.182	10.270	10.093
10/03/2011	10.230	10.378	9.885	Covered	10.558	Lost	9.690	Covered	9.309	No Access	No Access	9.617	9.194	9.287	9.533	9.632	10.015	10.149	10.187	10.261	10.451
11/03/2011	10.250	10.376	9.894	Covered	10.558	Lost	9.690	Covered	9.310	No Access	No Access	9.610	9.190	9.284	9.530	9.634	10.016	10.087	10.164	10.201	10.455
14/03/2011	10.270	10.374	9.894	Covered	10.559	Lost	9.693	Covered	9.300	No Access	No Access	9.610	9.190	9.284	9.530	9.629	10.016	10.087	10.164	10.202	10.456
15/03/2011	10.260	10.373	9.884	Covered	10.551	Lost	9.693	Covered	9.310	No Access	No Access	9.620	9.194	9.284	9.536	9.631	10.017	10.089	10.165	10.203	10.456
16/03/2011	10.203	10.373	9.884	Covered	10.539	Lost	9.683	Covered	9.280	No Access	No Access	9.623	9.194	9.284	9.530	9.629	10.013	10.089	10.146	10.183	10.444
17/03/2011	10.208	10.373	9.864	Covered	10.528	Lost	9.678	Covered	9.278	No Access	No Access	9.620	9.193	9.286	9.530	9.629	9.993	10.095	10.146	10.173	10.434
18/03/2011	10.210	10.372	9.874	Covered	10.487	Lost	9.669	Covered	9.279	No Access	No Access	9.622	9.188	9.289	9.529	9.631	9.998	10.099	10.115	10.162	10.373
21/03/2011	10.178	10.404	9.894	Covered	10.480	Lost	9.654	Covered	9.220	No Access	No Access	9.611	9.189	9.289	9.530	9.632	9.978	10.089	10.103	10.143	10.369
22/03/2011	10.119	10.440	9.806	Covered	10.470	Lost	9.644	Covered	9.210	No Access	No Access	9.610	9.190	9.291	9.530	9.632	9.962	10.073	10.090	10.132	10.366
23/03/2011	10.159	10.430	9.795	Covered	10.470	Lost	9.642	Covered	9.200	No Access	No Access	9.600	9.191	9.284	9.530	9.632	9.965	10.079	10.102	10.133	10.424
24/03/2011	10.017	10.428	9.795	Covered	10.469	Lost	9.643	Covered	9.190	No Access	No Access	9.580	9.189	9.284	9.530	9.631	9.965	10.075	10.101	10.173	10.424
25/03/2011	10.116	10.426	9.794	Covered	10.468	Lost	9.641	Covered	9.300	No Access	No Access	9.560	9.191	9.284	9.530	9.632	9.981	10.082	10.106	10.123	10.384
28/03/2011	10.016	10.378	9.921	Covered	10.448	Lost	9.631	Covered	9.307	No Access	No Access	9.613	9.190	9.291	9.529	9.631	9.955	10.060	10.078	10.124	10.327
29/03/2011	10.015	10.378	9.921	Covered	10.447	Lost	9.630	Covered	9.307	No Access	No Access	9.613	9.190	9.284	9.530	9.632	10.144	10.061	10.077	10.116	10.320
30/03/2011	10.147	10.368	9.894	Covered	10.456	Lost	9.634	Covered	10.297	No Access	No Access	12.510	9.191	9.284	9.529	9.632	9.956	10.055	10.066	10.116	10.319
31/03/2011	10.035	10.365	9.873	Covered	10.467	Lost	9.640	Covered	9.281	No Access	No Access	9.615	9.190	9.295	9.529	9.631	9.936	10.051	10.057	10.118	10.319
01/04/2011	10.249	10.362	9.873	Covered	10.467	Lost	9.640	Covered	9.251	No Access	No Access	9.620	9.190	9.295	9.529	9.631	9.936	10.050	10.057	10.118	10.320

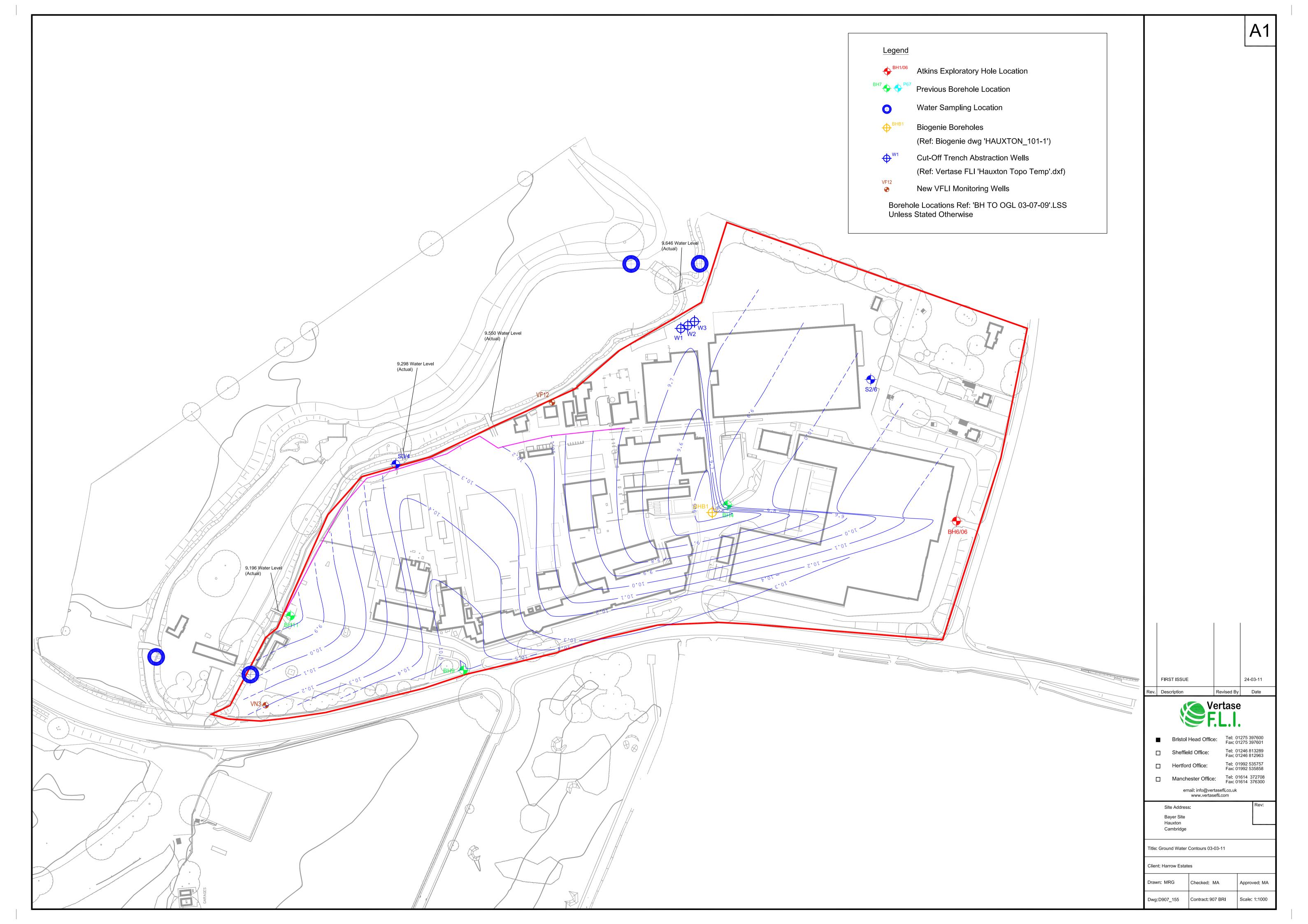


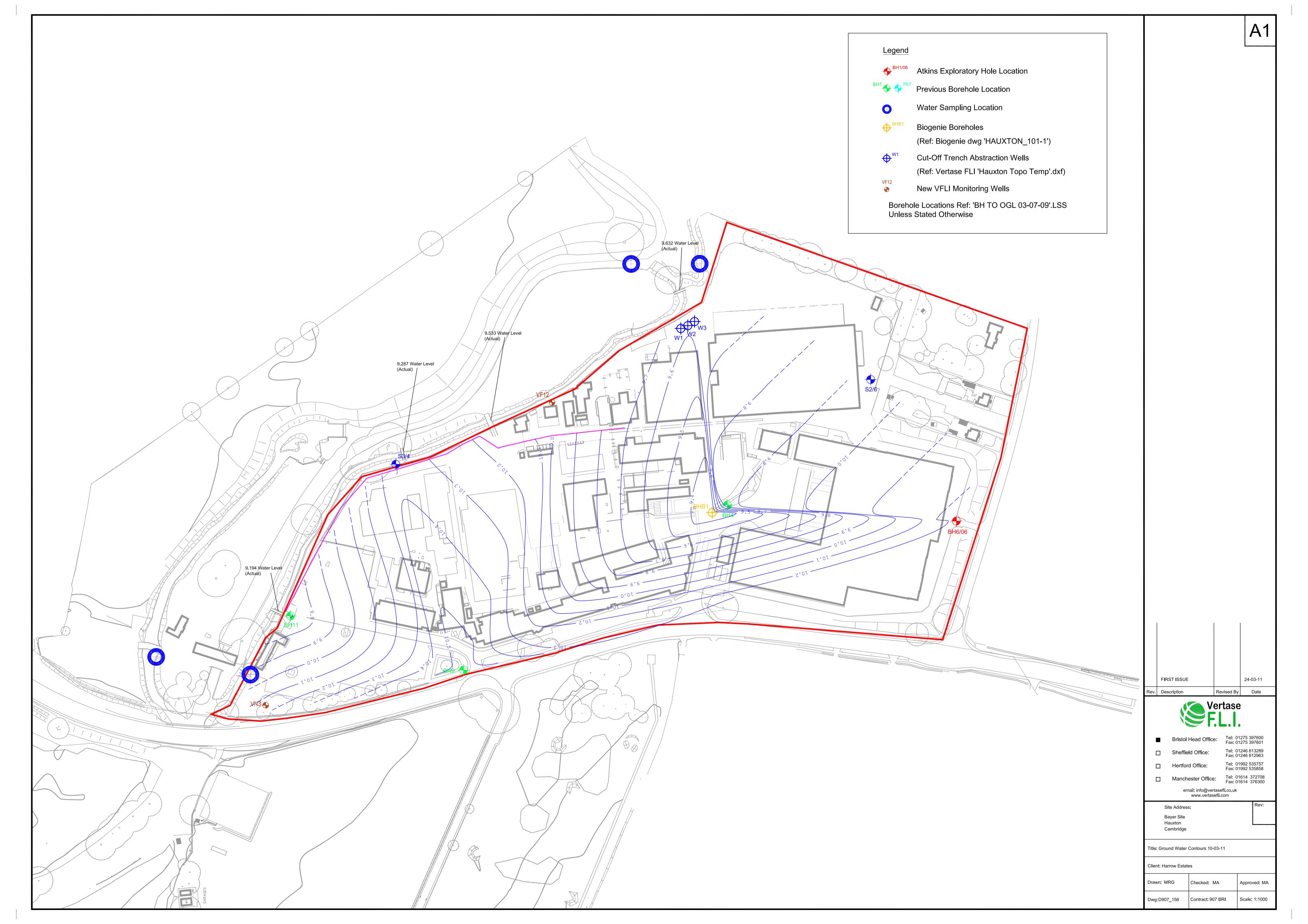
Appendix F Surface Water Analysis Reports

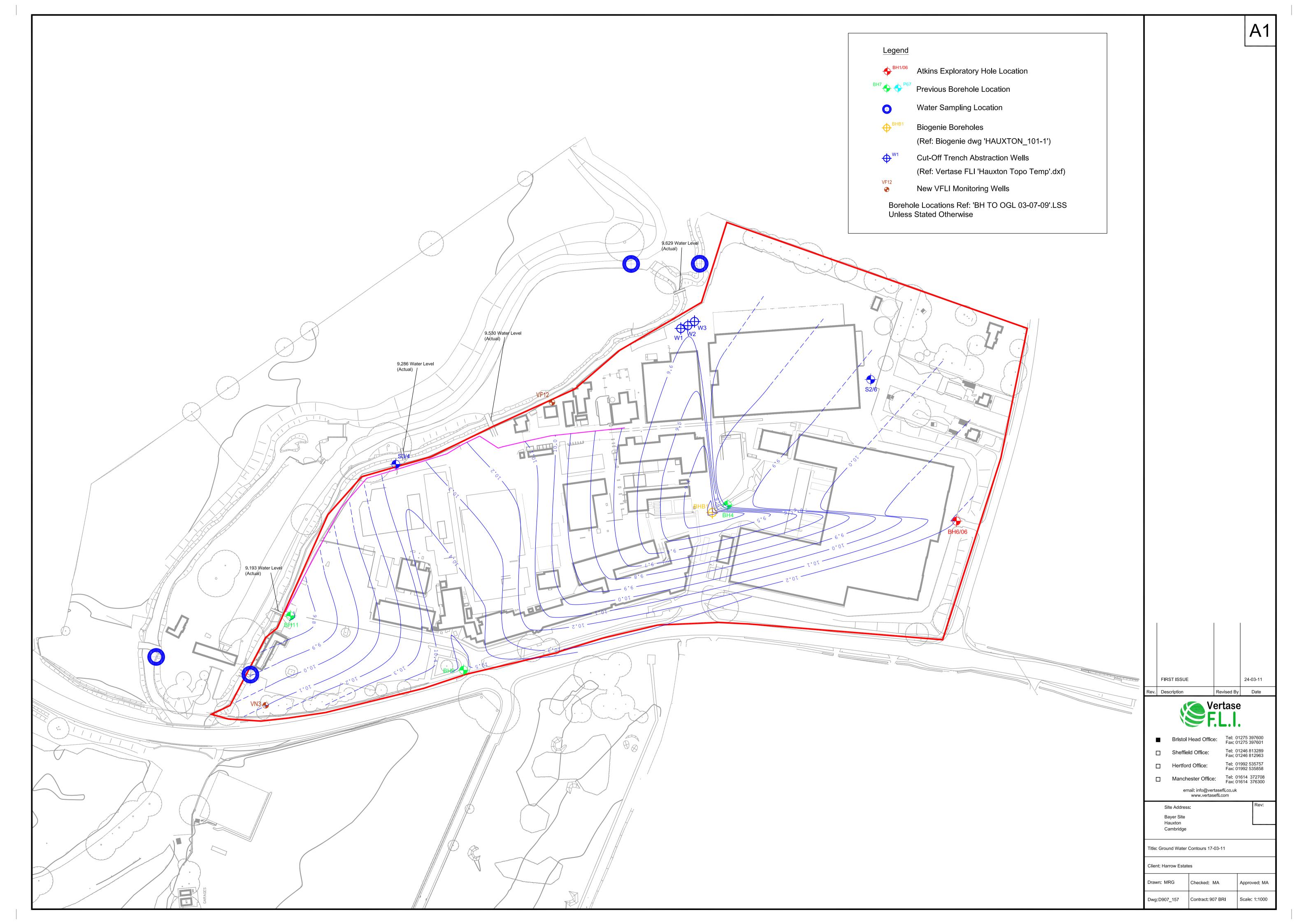
**Results Pending** 

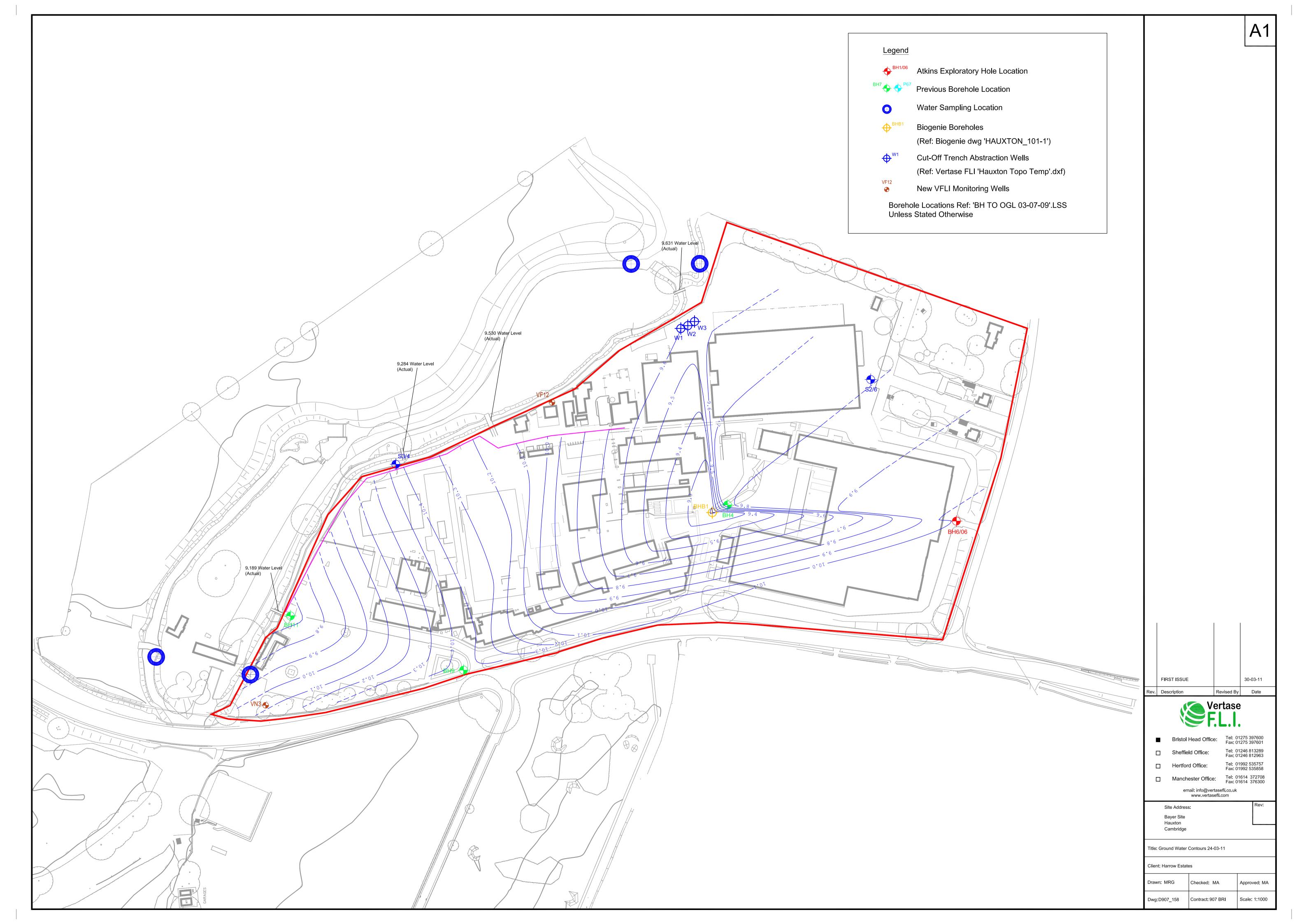


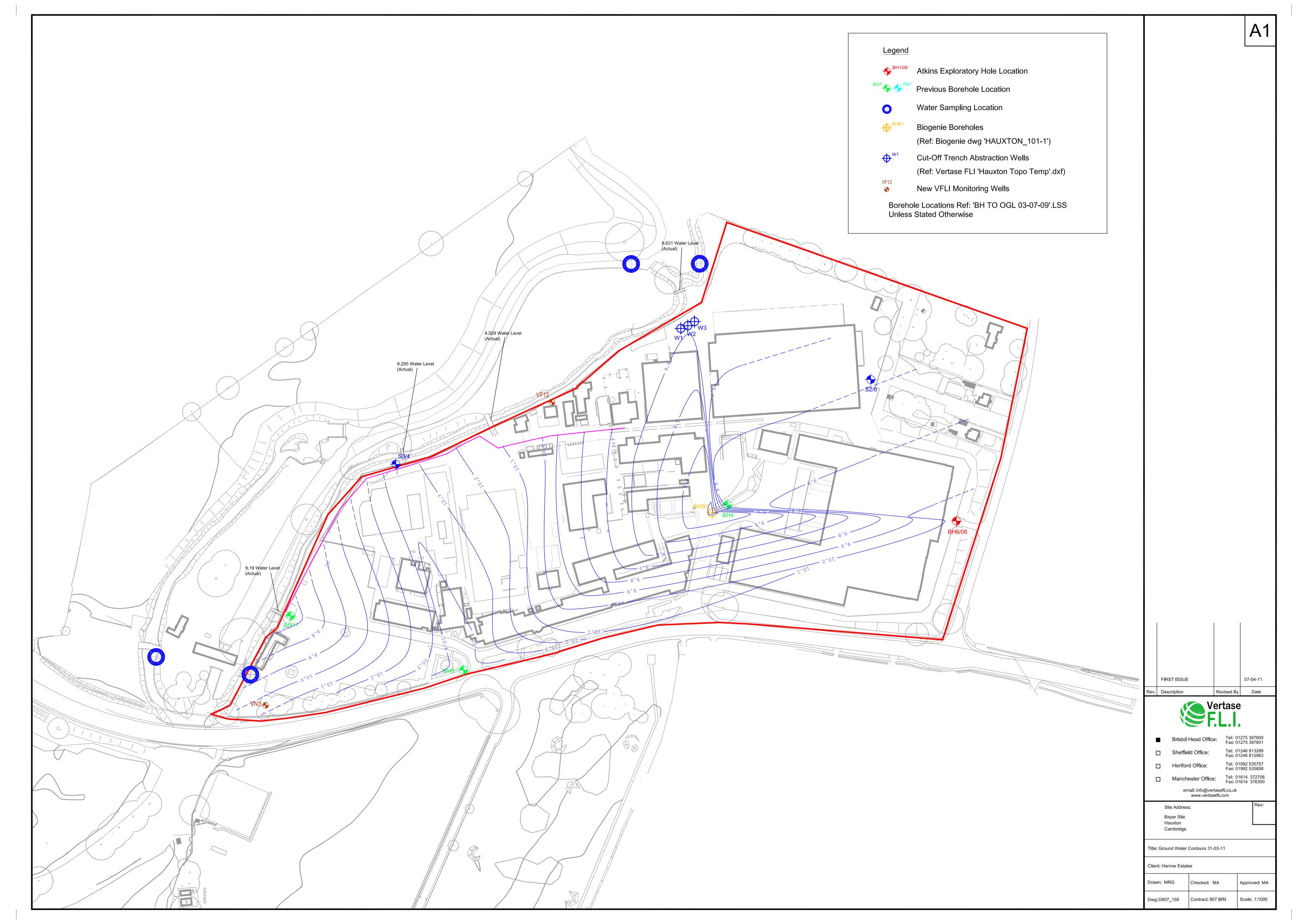
Appendix G Groundwater Contour Plots













Appendix H Waste Water Treatment Plant Discharge Analysis

						Suspended		Biochemical					Total Atrazine, Trietazine					
			Bromide	Chloride	Sulphate Ion	Solids (Total)	Ammoniacal Nitrogen	Oxygen Demand	pН	Atrazine	Trietazine	Simazine	and Simazine	Benazolin	2,3,6-TBA	Dicamba	Hempa	Schradan
Sample Taken	Report Date Report Number	er 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	To	otal of all th	ree	250	50	20	50	274	135
01/03/2010	17/03/2010 19344	7 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 19542	9 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		9 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		9 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		7 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		1 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		6 T99 Discharge	<1.0	110.00	200.00	<10	<0.05	6.6	8.2	<0.01	<0.01	<0.01	0.00	<0.2	3.00	<0.2	3.30	0.60
18/05/2010		2 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		7 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		1 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		3 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		3 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		1 WWTW Discharge	<0.1	160.00	260.00	<10	<0.05	<3	7.7	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	<0.1	<0.1
01/09/2010		6 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		1 WWTW Discharge	<0.1	86.00	170.00	<10	0.08	<3	7.9	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	3.5
24/09/2010		5 WWTW Discharge	<0.1	160.00	340.00	35	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	0.6
08/10/2010		5 WWTW Discharge	<0.1	150.00	270.00	<10	<0.05	<3	8.2	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	52	2.2
21/10/2010		6 WWTW Discharge	<0.1	200.00	240.00	11	<0.05	<3	7.7	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	9.4
10/11/2010		0 WWTW Discharge	<0.1	81.00	120.00	<10	<0.05	<3	8.1	<0.01	0.03	<0.01	0.03	<0.1	0.7	<0.1	15	6.2
16/11/2010		7 WWTW Discharge	<0.1	150.00	160.00	<10	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	0.9	0.1	14	24
09/12/2010		8 WWTW Discharge	<0.2	64.00	120.00	<10	0.73	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	2.9	0.3	10	5.1
22/12/2010		7 WWTW Discharge	<0.1	66.00	100.00	<10	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.01	11	8.5
13/01/2011		3 WWTW Discharge	<0.2	92.00	140.00	<10	0.38	<3	7.6	<0.01	0.05	<0.01	0.05	<0.1	<0.1	0.1	15	6.5
15/02/2011		9 WWTW Discharge	<0.1	170.00	220.00	<10	0.08	<3	9.1	<0.01	<0.01	<0.01	0.00	1.1	<0.1	<0.01	<0.1	<0.1
02/03/2011		9 WWTW Discharge	<0.1	220.00	290.00	<10	<0.05	<3	8.2	<0.01	0.02	<0.01	0.02	<0.1	0.4	<0.1	0.9	0.4
23/03/2011	01/04/2011 23214	3 WWTW Discharge	<0.1	190.00	210.00	<10	<0.05	<3	7.9	<0.01	0.02	<0.01	0.02	<0.1	<0.1	<0.1	0.5	0.2



# **Scientific Analysis Laboratories**

## **Certificate of Analysis**

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

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

Report Number: Supplement to 229789-1

Date of Report: 18-Mar-2011

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

Customer Contact: The Project Management

Customer Job Reference: 907 BRI WWTW Date Job Received at SAL: 03-Mar-2011 Date Analysis Started: 03-Mar-2011 Date Analysis Completed: 15-Mar-2011

The results reported relate to samples received in the laboratory

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





Report checked and authorised by : Mr Ross Walker Customer Services Manager Issued by : Amelia McVennon Project Manager

SAL Referen	ce: 22978	39				
Customer Referen	<b>ce:</b> 907 E	BRI WWTW				
Water Miscellaneous	Analy	sed as Wat	ter			
			SA	L Reference	229789 001	229789 002
		Custor	ner Sampl	e Reference	Discharge WWTW	Primary WWTW
			Da	ate Sampled	03-MAR-2011	03-MAR-2011
Determinand	Method	Test Sample	LOD	Units		
Ammoniacal nitrogen	T4	AR	0.05	mg/l	<0.05	<0.05
Biochemical Oxygen Demand	T7	AR	3	mg/l	<3	<3
рН	T7	AR			8.2	8.3

SAL	Reference:	229789				
Customer	Reference:	907 BRI V	WTW			
Water		Analysed	as Water			
Suite A						
			SA	L Reference	229789 001	229789 002
		Custon	ner Sampl	e Reference	Discharge WWTW	Primary WWTW
			Da	ate Sampled	03-MAR-2011	03-MAR-2011
Determinand	Method	Test Sample	LOD	Units		
Atrazine	T16	AR	0.01	µg/l	<0.01	<0.01
Trietazine	T16	AR	0.01	µg/l	0.02	0.28

SAL	Reference:	229789									
Customer	Reference:	907 BRI V	907 BRI WWTW								
Water		Analysed as Water									
Suite B											
			SA	L Reference	229789 001	229789 002					
		Custon	ner Sample	e Reference	Discharge WWTW	Primary WWTW					
		10	Da	ate Sampled	03-MAR-2011	03-MAR-2011					
Determinand	Method	Test Sample	LOD	Units							
Benazolin	T16	AR	0.1	µg/l	<0.1	<0.1					

SAL Rei	ference: 2	229789			- 43x	and the second second
Customer Ref	ference: 9	907 BRI WV	VTW			
Water	A	Analysed as	Water			
Suite C						
			SA	L Reference	229789 001	229789 002
	e Reference	Discharge WWTW	Primary WWTW			
			Da	ate Sampled	03-MAR-2011	03-MAR-2011
Determinand	Method	Test Sample	LOD	Units		
Bromide	T253	AR	100	µg/l	<1000	<1000
Chloride	T253	AR	200	µg/l	220000	230000
Sulphate ion	T253	AR	100	µg/l	290000	290000
Suspended Solids (Total)	T2	AR	10000	µg/l	<10000	<10000

SAL	Reference:	229789	229789							
Custome	907 BRI V	907 BRI WWTW								
Water Suite D		Analysed	as Water							
SAL Reference 229789 001 229789										
		e Reference	Discharge WWTW	Primary WWTW						
			Da	ate Sampled	03-MAR-2011	03-MAR-2011				
Determinand	Method	Test Sample	LOD	Units						
Dicamba	T16	AR	0.1	µg/l	<0.1	0.4				
Hempa	T16	AR	0.1	µg/l	0.9	4.8				
Schradan	T16	AR	0.1	µg/l	0.4	2.2				
Simazine	T16	AR	0.01	µg/l	<0.01	<0.01				

SAL R	eference:	229789								
Customer Re	eference:	907 BRI W	WTW							
Water         Analysed as Water           Suite E         Suite E										
			SA	L Reference	229789 001	229789 002				
		Custon	ner Sampl	e Reference	Discharge WWTW	Primary WWTW				
			D	ate Sampled	03-MAR-2011	03-MAR-2011				
Determinand	Method	Test Sample	LOD	Units						
TVC at 22 C after 3 days	T34	AR	10	cfu/ml	1600	1600				
TVC at 37 C after 2 days	T34	AR	10	cfu/ml	1000	40				

# Index to symbols used in Supplement to 229789-1

Value	Description
AR	As Received
W	Analysis was performed at another SAL laboratory
S	Analysis was subcontracted
U	Analysis is UKAS accredited
Ν	Analysis is not UKAS accredited

#### Notes

Supplemental report issued to amend sample references at client request

### **Method Index**

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

## **Accreditation Summary**

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Ammoniacal nitrogen	T4	AR	0.05	mg/l	U	001-002
Biochemical Oxygen Demand	T7	AR	3	mg/l	N	001-002
рН	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



# **Scientific Analysis Laboratories**

## **Certificate of Analysis**

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

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

Report Number: 232143-1

Date of Report: 01-Apr-2011

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

Customer Contact: The Project Management

Customer Job Reference: 907 BRI Customer Purchase Order: 907 BRI Date Job Received at SAL: 24-Mar-2011 Date Analysis Started: 24-Mar-2011 Date Analysis Completed: 31-Mar-2011

The results reported relate to samples received in the laboratory

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





Report checked and authorised by : Amelia McVennon Project Manager Issued by : Amelia McVennon Project Manager

SAL Reference: 232143										
Customer Reference: 907 BRI										
ater Analysed as Water										
Miscellaneous										
SAL Reference 232143 001 232143 002										
		Custor	ner Samp	le Reference	PRIMARY	DISCHARGE				
			D	ate Sampled	21-MAR-2011	21-MAR-2011				
Determinand	Method	Test Sample	LOD	Units						
Ammoniacal nitrogen	T4	AR	50	µg/l	<50	<50				
Biochemical Oxygen Demand	T7	AR	3000	µg/l	<3000	<3000				
рН	T7	AR			7.8	7.9				

SAL Reference: 232143 Customer Reference: 907 BRI Water Analysed as Water Suite A SAL Reference 232143 001 232143 002 Customer Sample Reference PRIMARY DISCHARGE Date Sampled 21-MAR-2011 21-MAR-2011 Test Sample Determinand Method LOD Units T16 0.01 Atrazine AR µg/l 0.11 <0.01 Trietazine T16 0.01 AR 0.25 0.02 µg/l

SAL	Reference:	232143							
Customer	Reference:	907 BRI	907 BRI						
Water		Analysed	as Water						
Suite B									
			SA	L Reference	232143 001	232143 002			
		Custon	ner Sampl	e Reference	PRIMARY	DISCHARGE			
			Da	ate Sampled	21-MAR-2011	21-MAR-2011			
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	2.5	<0.1			

SAL Ref	erence: 2	232143				
Customer Ret	erence: 9	907 BRI				
Water	A	Analysed as	Water			
Suite C						
			SA	L Reference	232143 001	232143 002
	e Reference	PRIMARY	DISCHARGE			
			Da	ate Sampled	21-MAR-2011	21-MAR-2011
Determinand	Method	Test Sample	LOD	Units		
Bromide	T253	AR	100	µg/l	<sup>(9)</sup> <1000	<sup>(9)</sup> <1000
Chloride	T253	AR	200	µg/l	180000	190000
Sulphate ion	T253	AR	100	µg/l	210000	210000
Suspended Solids (Total)	T2	AR	10000	µg/l	<10000	<10000

SAL Reference:	232143
Customer Reference:	907 BRI

Water Suite D

Suite D										
SAL Reference 232143 001 232143 002										
	PRIMARY	DISCHARGE								
	21-MAR-2011	21-MAR-2011								
Determinand	Method	Test Sample	LOD	Units						
Dicamba	T16	AR	0.1	µg/l	<0.1	<0.1				
Hempa	T16	AR	0.1	µg/l	2.2	0.5				
Schradan	T16	AR	0.1	µg/l	1.5	0.2				
Simazine	T16	AR	0.01	µg/l	0.06	<0.01				

Analysed as Water

SAL Reference: 232143 Customer Reference: 907 BRI

Water Suite E		Analysed a	as Water			
			SA	L Reference	232143 001	232143 002
		Custor	ner Samp	le Reference	PRIMARY	DISCHARGE
			D	ate Sampled	21-MAR-2011	21-MAR-2011
Determinand	Method	Test Sample	LOD	Units		
TVC at 22 C after 3 days	T34	AR	10	cfu/ml	8000	9900
TVC at 37 C after 2 days	T34	AR	10	cfu/ml	40	640

### Index to symbols used in 232143-1

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							
Ν	Analysis is not UKAS accredited							

### **Method Index**

Value	Description				
T7	Probe				
T4	Colorimetry				
T16	GC/MS				
T253	IC(EID299)				
T2	Grav				
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
рН	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	Ν	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	WN	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



Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Dicamba	T16	AR	0.1	µg/l	N	001-002
Hempa	T16	AR	0.1	µg/l	N	001-002
Schradan	T16	AR	0.1	µg/l	N	001-002
Simazine	T16	AR	0.01	µg/l	N	001-002
TVC at 22 C 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 peak	ks detected
12.04.2010	06.05.2010	K16	Series of Aromatic Hydrocarbons circa C <sub>13</sub> -C <sub>16</sub>	17,000	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			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.
15.04.2010	06.05.2010 (09.06.2010)	J16	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 <sub>14</sub>	240,000	Potential herbicide degradation products. The structures are smaller and less complex
			Unidentified branched aromatic alcohol, C <sub>18</sub>	290,000	than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by
			Phenanthrene	4,100	Encountered and assessed during site
15.04.2010	06.05.2010	K14	Fluoranthene	4,800	investigation, concentration below target
10.04.2010	00.03.2010		Pyrene	3,900	value
			Benzo(b/k)Fluoranthene	2,200	
			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.
07.05.2010	24.05.2010	К9	Unidentified Aliphatic Hydrocarbon circa C <sub>30</sub>	2,300	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			2,4-Dichloro-o-cresol	9,000	Potential herbicide degradation product
			Bis(2-ethylhexyl) maleate	3,800	Commonly used as an intermediate in hydrogenation or acetylation reactions, possibly used in agrochemicals manufacture
			Cyclo octaatomic sulphur	2,800	$S_8$ is the most common form of sulphur in the solid state, widely used in insecticide and fungicide manufacture
07.05.2010	24.05.2010 (09.06.2010)	L8	Dodecanoic acid (Lauric acid), isooctyl ester	7,400	Lauric acid - main acid in coconut oil and palm kernel oil, is non-toxic and safe to handle, is used in many soaps, shampoos and body butters.
			Unidentified aromatic hydrocarbon containing O and Cl circa C <sub>7</sub>	8,400	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.

07.05.2010	24.05.2010	L9	Unidentified Aliphatic Hydrocarbon circa C <sub>30</sub>	2,300	Potential herbicide degradation products. The structures are smaller and less comple 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		
			1,2-bis(2,4,6- trichlorophenoxy)ethane	6,900	Potential Prochloraz degradation product
			Prochloraz	9,100	Fungicide
13.05.2010	24.05.2010 (09.06.2010)	H9	Unidentified aromatic hydrocarbon containing CI circa C <sub>8</sub>	9,400	Potential herbicide degradation products. The structures are smaller and less complete than contaminants of concern and will
			Unidentified aromatic amine containing CI circa C <sub>11</sub>	2,100	therefore degrade more readily than the target contaminants and will be captured b the remediation process.
13.05.2010	24.05.2010	17	No SVOC peaks detected		·
			2,4-Dichloro-o-cresol	29.000	
			2,3,6-Trichlorotoluene	47,000	1
			1-(2-Chloroethoxy)-2-(o- Tolyloxy)-ethane	20,000	<ul> <li>Potential herbicide degradation product</li> </ul>
13.05.2010	24.05.2010 (09.06.2010)	19	Unidentified aromatic alcohol containing CI circa C <sub>7</sub>	25,000	Potential herbicide degradation products The structures are smaller and less complete
		Unidentified aromatic hydrocarbon containing O circa C <sub>16-18</sub>	12,000	than contaminants of concern and wil therefore degrade more readily than th target contaminants and will be captured the remediation process.	
					the remediation process.
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	K7	1,2-bis(2,4,6-	2400.0	As for H9
	(09.06.2010)		trichlorophenoxy)ethane		
05.05.2010	16.06.2010	K8	No VOC/SVOC peaks detected		
18.06.2010	29.06.2010	18	2-methyl phenol	5,500	Encountered and assessed during si investigation, not a priority contaminant
10.00.2010	29.00.2010	10	1,2-dichlorobenzene	3,600	Contaminant of concern, already included the standard validation suite
			0.4 Disklass a sussal	550,000	As for I9 and H7
17.06.2010	29.06.2010 (09.06.2010)	K10	2,4-Dichloro-o-cresol	,	
		K10 L10	Cyclo octaatomic sulphur	16,000	As for L8 - Sulphur
17.06.2010 22.06.2010			,	16,000 1,800,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			Cyclo octaatomic sulphur Dichloromethyl phenol Naphthalene	16,000 1,800,000 4,600,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10) Encountered and assessed during site
			Cyclo octaatomic sulphur Dichloromethyl phenol Naphthalene 2-methylnaphthalene	16,000 1,800,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (19, H7, K10) Encountered and assessed during site investigation, not a priority contaminant
			Cyclo octaatomic sulphur Dichloromethyl phenol Naphthalene 2-methylnaphthalene 1-methylnaphthalene	16,000 1,800,000 4,600,000 3,900,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10) Encountered and assessed during site investigation, not a priority contaminant More toxic than 2-methylnaphthalene, mu
22.06.2010	(09.06.2010)	L10	Cyclo octaatomic sulphur Dichloromethyl phenol Naphthalene 2-methylnaphthalene 1-methylnaphthalene CAS 90-12-0	16,000 1,800,000 4,600,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10) Encountered and assessed during site investigation, not a priority contaminant More toxic than 2-methylnaphthalene, mu be assessed separately
22.06.2010	(09.06.2010)	L10	Cyclo octaatomic sulphur Dichloromethyl phenol Naphthalene 2-methylnaphthalene 1-methylnaphthalene	16,000 1,800,000 4,600,000 3,900,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10) Encountered and assessed during site investigation, not a priority contaminant More toxic than 2-methylnaphthalene, mu
22.06.2010	(09.06.2010)	L10	Cyclo octaatomic sulphur Dichloromethyl phenol Naphthalene 2-methylnaphthalene 1-methylnaphthalene CAS 90-12-0 Dinoseb CAS 88-85-7	16,000 1,800,000 4,600,000 3,900,000 2,400,000 68,000,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10) Encountered and assessed during site investigation, not a priority contaminant More toxic than 2-methylnaphthalene, mu be assessed separately 2-(1-methylpropyl)-4,6-dinitro- phenol herbicide and insecticide. Yellow crystallin solid.
22.06.2010	(09.06.2010)	L10	Cyclo octaatomic sulphur         Dichloromethyl phenol         Naphthalene         2-methylnaphthalene         1-methylnaphthalene         CAS 90-12-0         Dinoseb         CAS 88-85-7         Dichloromethyl phenol         1-(2-Chloroethoxy)-2-(o-Tolyloxy)-ethane	16,000 1,800,000 4,600,000 3,900,000 2,400,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10) Encountered and assessed during site investigation, not a priority contaminant More toxic than 2-methylnaphthalene, mu be assessed separately 2-(1-methylpropyl)-4,6-dinitro- phenol herbicide and insecticide. Yellow crystallir
22.06.2010	(09.06.2010)	L10	Cyclo octaatomic sulphur         Dichloromethyl phenol         Naphthalene         2-methylnaphthalene         1-methylnaphthalene         CAS 90-12-0         Dinoseb         CAS 88-85-7         Dichloromethyl phenol         1-(2-Chloroethoxy)-2-(o-	16,000 1,800,000 4,600,000 3,900,000 2,400,000 68,000,000 24,000	As for L8 - Sulphur As for 2,4-Dichloro-o-cresol (I9, H7, K10) Encountered and assessed during site investigation, not a priority contaminant More toxic than 2-methylnaphthalene, mu be assessed separately 2-(1-methylpropyl)-4,6-dinitro- phenol herbicide and insecticide. Yellow crystallir solid. As for 2,4-Dichloro-o-cresol (I9, H7, K10)

		1	2-Chlorotoluene	60,000	แกระราชสาเอก, กอน a phoney contaminan
			Trichloro toluene isomer	48,000	Same as 19
			Trichloro benzenamine isomer	11,000	
			2,3-Dichlorotoluene		Potential herbicide degradation product
			CAS 32768-54-0	290,000	i otomiai norbicido dogradanon product
21.07.2010	22.07.2010	L11	Dichloromethyl phenol	5,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10 J10)
			2,4-Dichloro-o-cresol CAS 1570-65-6	10,000	As for I9, H7, K10, J10, L11
28.07.2010	02.08.2010	H10	Trichloro toluene isomers	58,000	Same as I9, J10
28.07.2010	02.06.2010	ню	Dichlorotoluene isomer	52,000	6 possible isomers, but very little data, using surrogate.
			2-Chlorotoluene	39,000	Encountered and assessed during site
			Trichlorobenzene	350,000	investigation, not a priority contaminant
			2,4-Dichloro-o-cresol CAS 1570-65-6	5,000	As for I9, H7, K10, J10, L11, H10
28.07.2010	02.08.2010	110	Trichloro toluene isomers	24,000	Same as I9, J10, H10
03.08.2010	04.08.2010	L12	2,4-Dichloro-o-cresol	7,000	As for I9, H7, K10, J10, L11, H10, I10
02.08.2010	04.08.2010	142	CAS 1570-65-6		
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	43,000	Encountered and assessed during site
24.00.2010	23.00.2010	514	Hydrocarbons (C5-C12)		investigation, not a priority contaminant
			1,3,5-Trimethylbenzene	1,600	Encountered and assessed during site
			CAS 108-67-8	.,000	investigation, not a priority contaminant
			1,2,4-Trimethylbenzene	600	
			CAS 95-63-6		
			1,2,3-Trimethylbenzene	700	Isomers encountered and assessed during
			CAS 526-73-8		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	13	1-methylnaphthalene	100	Same as K10NAPL
25.06.2010	IN/A	115	CAS 90-12-0	100	Same as KTOWAF L
			Phenanthrene	200	Encountered and assessed during site
			Fluoranthene	300	investigation, not a priority contaminant
			Pyrene	300	interestigation, not a priority containing it
			Benzo(b/k)Fluoranthene	200	-
01.09.2010	N/A	114	Trichloro methyl benzene	400	Same as I9, J10, H10, I10, K13, J11
			(trichloro toluene)		······································
01.09.2010	N/A	115	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	l11	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	112	1-methylnaphthalene CAS 90-12-0	40,000	Same as K10NAPL, I13
			Dibenzofuran	24,000	Encountered and assessed during site
			Phenanthrene	60,000	investigation, not a priority contaminant
			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	220	
			CAS 107-61-9		
	N/A		Trichloro methyl benzene	230	Same as I9, J10, H10, I10, K13, J11, I14,
			(trichloro toluene)		111
			Dichloromethylphenol	2100	As for I9, H7, K10, J10, L11, H10, I10, L12,
					K12, K13, J11, J12, I15, I11
			1-(2-Chloroethoxy)-2-(o-	470	Same as I9, J10, K13
			Tolyloxy)-ethane		
			CAS 21120-80-9		
01.10.2010	N/A	H11	No VOC/SVOC peaks detected		
01.10.2010	05.10.2010	H12	Indane	3700000	2-ring hydrocarbon
			CAS 496-11-7		
	N/A		Ethyltoluene	4500000	As J14
			(ethyl methyl benzene) isomer		

			Bis methylpropyl phenol isomer	980000	As J16	
			1,3,5-Trimethylbenzene	3900000	Encountered and assessed during site	
			1,2,4-Trimethylbenzene	10000000	investigation, not a priority contaminant	
			1,2,3-Trimethylbenzene	3100000		
22.10.2010	25.10.2010	G12	Nicotine	6400	Natural insecticide	
(216017)	N/A		Dichloromethyl phenol	2900	As for I9, H7, K10, J10, L11, H10, I10, L12 K12, K13, J11, J12, I15, I11, H13	
			Methylpropyl phenol	9400	Encountered and assessed during site investigation, not a priority contaminant	
			Schradan	1200	Contaminant of concern, already included the standard validation suite	
22.10.2010 (216017)	N/A	G13	1-methylnaphthalene CAS 90-12-0	170	Same as K10NAPL, I13, I12	
			Isophorone CAS 78-59-1	530	Encountered and assessed during site investigation, not a priority contaminant	
			Naphthalene	690		
			2-methylnaphthalene	270		
			Phenanthrene	410		
			Fluoranthene	380		
			Pyrene	310		
22.10.2010 (216017)	N/A	G14	No VOC/SVOC peaks detected			
29.10.2010 (216821)	N/A	H17	No VOC/SVOC peaks detected			
29.10.2010 (216821)	N/A	G17	No VOC/SVOC peaks detected			
01.11.2010 (216817)		G10	Dibromochloromethane CAS 124-48-1	300	Risk Assessment	
-		N/A	Dichloromethyl phenol	1300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12	
			Isophorone	7100	Encountered and assessed during site	
		Benzyl Chloride (1-chloro-2-methylbenzene CAS 95-49-8)	200	investigation, not a priority contaminant		
			Methylpropyl phenol	7100	_	
			3,3,5- trimethyl cyclohexanone	700		
01.11.2010 (216817)	N/A	G11	Dichloromethyl phenol	2300	As for I9, H7, K10, J10, L11, H10, I10, L12 K12, K13, J11, J12, I15, I11, H13, G12, G10	
			Trichloro methyl benzene (trichloro toluene)	2400	Same as I9, J10, H10, I10, K13, J11, I14, I11, H13	
			1-Methyl naphthalene	760	Same as K10NAPL, I13, I12, G13	
			2-methyl phenol	800	Encountered and assessed during site	
			Methylpropyl phenol	22000	investigation, not a priority contaminant	
			2-Methylnaphthalene	1500		
			2,4,5-Trichlorophenol	360		
			Chloroform	500		
			1,2-dibromoethane	700		
			EthylBenzene	1800		
			1,4-Dichlorobenzene	700	]	
			1,2,3-Trichlorobenzene	2000		
01.11.2010	30.11.2010	G15	Ethyl methyl phenol	18000	Risk Assessment	

(216817)			Dimethyl naphthalene	59000	Risk Assessment
	N/A		Dichloromethyl phenol	2400	As for I9, H7, K10, J10, L11, H10, I10, L12
					K12, K13, J11, J12, I15, I11, H13, G12,
					G10, G11
			1-Methyl naphthalene	26000	Same as K10NAPL, I13, I12, G13
			1-ethyl-3-	600	As J14, H12
			methyl benzene (ethyl toluene)		
			Ethyltoluene	300	
			Isophorone	37000	Encountered and assessed during site
			Naphthalene	43000	investigation, not a priority contaminant
			Methylpropyl phenol	30000	
			2-Methylnaphthalene	21000	
			Phenanthrene	110000	
			Fluoranthene	69000	
			1,3,5-Trimethylbenzene	900	_
			1,2,4-Trimethylbenzene	1600	_
08.11.2010	N/A	M7	1,2,3-Trimethylbenzene	400	
217789)	IN/A	IVI <i>1</i>	No VOC/SVOC peaks detected		
· /	N1/A	MO		44.000	Francisco danada and an and during a site
08.11.2010	N/A	M8	2-methyl phenol	11,000	Encountered and assessed during site
(217789)	N1/A	140			investigation, not a priority contaminant
08.11.2010	N/A	M6	No VOC/SVOC peaks detected		
217793)					
08.11.2010	N/A	N6	No VOC/SVOC peaks detected		
217793)					
08.11.2010	N/A	L5	No VOC/SVOC peaks detected		
217795)					
08.11.2010	N/A	M4	No VOC/SVOC peaks detected		
217795)					
08.11.2010	N/A	M5	No VOC/SVOC peaks detected		
(217797)					
08.11.2010	N/A	N4	No VOC/SVOC peaks detected		
(217797)	N1/A	NE			
08.11.2010 (217797)	N/A	N5	No VOC/SVOC peaks detected		
- /	N1/A	140			
08.11.2010	N/A	M9	No VOC/SVOC peaks detected		
217800)	N1/A	10			
8.11.2010	N/A	16	No VOC/SVOC peaks detected		
218834)					
23.11.2010	N/A	L4	No VOC/SVOC peaks detected		
219458)	N1/A				
23.11.2010	N/A	N3	No VOC/SVOC peaks detected		
(219456)	N1/A	<b>F</b> 11			
20.01.2011	N/A	F11	No VOC/SVOC peaks detected		
224432)	N1/A	<b>E40</b>			
20.01.2011	N/A	F12	No VOC/SVOC peaks detected		
224432)	04.04.0044	<b>E</b> 40		10000	
20.01.2011	24.01.2011	F13	Total Petroleum Hydrocarbons	16000	Controlled Waters risk assessment
(224432)			(C8-C14)		required, Human Health risk assessment
	04.04.0044			00000	previously actioned
20.01.2011	24.01.2011	E12	Total Petroleum Hydrocarbons	28000	Controlled Waters risk assessment
(224432)			(C8-C14)		required, Human Health risk assessment
	N1/2			000	previously actioned
	N/A		1-Ethyl-2-Methylbenzene (o-ethy	300	As J14, H12, G15
			toluene) CAS 611-14-3		

			1,2,4-Trimethylbenzene	700	Encountered and assessed during site investigation, not a priority contaminant
20.01.2011	24.01.2011	E13	DDD	4100	Pesticide Risk Assessment Required.
(224432)	N/A		m/p ethyl toluene	1200	Encountered and assessed during site investigation, not a priority contaminants
			m-ethyl toluene:1-ethyl-3- methylbenzene, CAS 620-14-4		
			p-ethyl toluene: 1-ethyl-4- methylbenzene, CAS 622-96-8		
	24.01.2011		Total Petroleum Hydrocarbons (C8-C13)	73000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
	N/A		2,6-bis(1-methylpropyl)-phenol	5000	As J16, H12
			DDT	3200	Encountered and assessed during site investigation, not a priority contaminant
			4-(1-methylpropyl)phenol	2700	
			2(1-methylpropyl)-phenol	12000	
			1,2,3-trimethylbenzene	600	
			1,3,5-trimethylbenzene	1700	
			1,2,4-trimethylbenzene	3000	
			p-Isopropyltoluene	400	
24.01.2011 (224621)	25.01.2011	F15A	No VOC/SVOC peaks detected		<u>.</u>
24.01.2011 (224621)	25.01.2011	F15B	No VOC/SVOC peaks detected		
09.02.2011 (226719)	10.02.2011	H6	No VOC/SVOC peaks detected		
09.02.2011 (226719)	10.02.2011	J5	No VOC/SVOC peaks detected		
09.02.2011 (226719)	10.02.2011	J6	No VOC/SVOC peaks detected		
17.03.2011 (230436)	21.03.2011	K5	Bis(2-ethylhexyl) maleate CAS 142-16-5	1,800	As L8
21.03.2011 (230436)	22.03.2011	K6	2,3-Dichlorotoluene CAS 32768-54-0	300	As J10, J11, H10, K13
			Bis(2-ethylhexyl) maleate CAS 142-16-5	2,000	As L8, K5
			Squalene CAS 7683-64-9	2,000	Natural organic compound found in the human body. Used in cosmetics, vaccines and steroid synthesis. Risk assessment not required.
			Glycerol tricaprylate CAS 538-28-8	4,700	Cosmetic ingredient. RisK Assessment notrequired.
28.03.2011 (231689)	29.03.2011	M10	No VOC/SVOC peaks detected		
30.03.2011 (232134)	01.04.2011	L14	No VOC/SVOC peaks detected		