ASHDOWN SITE INVESTIGATION
L•I•M•I•T•E•D

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Company Registration Number
242 6786

Date: 5th March 2019 **Our Ref:** R18-12883/QR3

Dave Toone
Civils Contracting Ltd
3 Archers Park
Branbridges Road
East Peckham
Kent
TN12 5HP

Dear Dave,

Proposed CHP Plant, Kemsley Mill, Kemsley
Quarterly Monitoring Report

In April 2018 Ashdown Site Investigation Ltd. undertook ground investigation works at the above site which included the installation of 3 no. groundwater monitoring wells and 5 no. gas monitoring wells. Details of the installations are presented in the Factual Report on the investigation[1]

Ashdown Site Investigation attended site on the 20th February 2019 to obtain groundwater samples from the three deep monitoring wells (BH8, GWBH1 and GWBH2). Readings were taken from the gas monitoring standpipes installed in boreholes SBH3 and SBH6. During this visit it was not possible to take gas readings from three of the standpipes; The tops of both SBH2 and SBH4 were waterlogged and the cover and gas tap within SBH1 had been damaged.

The groundwater samples were tested for a range of heavy metals, sulphate, nitrate, cyanide, speciated polycyclic aromatic hydrocarbon (PAH) compounds, petroleum hydrocarbons speciated by aromatic and aliphatic weight fractions and a range of volatile organic compounds (VOC). The results of the testing are presented in Appendix A.

In line with the findings of the previous testing, the groundwater samples did not record any notable concentrations of the contaminants tested for; with the vast majority being recorded to be present at concentrations below the detection limit for the test.

Gas monitoring wells SBH3 and SBH6 were monitored for concentrations of carbon dioxide, methane, oxygen, hydrogen sulphide and carbon monoxide. The results of the monitoring are presented in Appendix B.

No detectable concentrations of methane and negligible concentrations of carbon dioxide were recorded. These results are broadly similar to the previous round of monitoring.

Yours sincerely

Alex Minchell-Bewick
Ashdown Site Investigation Limited

[1] Factual Report on the Ground Investigation, ref: R18-12883/fr, 20th June 2018

Appendix A
Laboratory Test Results

Alex Bewick
Ashdown Site Investigations Ltd
Unit 3 The Grain Store
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DETS Ltd
Unit 1
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ME17 2JN
t: 01622 850410

DETS Report No: 19-02581

Site Reference:	Kemsley Mill
Project / Job Ref:	R18-12883
Order No:	P19-7282
Sample Receipt Date:	25/02/2019
Sample Scheduled Date:	25/02/2019
Report Issue Number:	1
Reporting Date:	01/03/2019

Authorised by:

Russell Jarvis
Associate Director of Client Services

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

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Water Analysis Certificate						
DETS Report No: 19-02581	**Date Sampled**	20/02/19	20/02/19	20/02/19		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P19-7282	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 01/03/2019	**DETS Sample No**	391919	391920	391921		

Determinand	Unit	RL	Accreditation					
pH	pH Units	N/a	ISO17025	7.5	7.1	7.1		
Total Cyanide	ug/l	< 5	NONE	< 5	< 5	< 5		
Sulphate as SO_4	mg/l	< 1	ISO17025	40	91	65		
Nitrate as NO_3	mg/l	< 0.5	ISO17025	3.8	1.8	1.4		
Arsenic (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Boron (dissolved)	ug/l	< 5	ISO17025	65	536	1130		
Cadmium (dissolved)	ug/l	< 0.4	ISO17025	< 0.4	< 0.4	0.8		
Chromium (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chromium (hexavalent)	ug/l	< 20	NONE	< 20	< 20	< 20		
Copper (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Lead (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Mercury (dissolved)	ug/l	< 0.05	ISO17025	< 0.05	< 0.05	< 0.05		
Nickel (dissolved)	ug/l	< 5	ISO17025	11	10	37		
Selenium (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Zinc (dissolved)	ug/l	< 2	ISO17025	< 2	4	4		
Total Phenols (monohydric)	ug/l	< 10	NONE	< 10	< 10	< 10		

Subcontracted analysis (S)
Insufficient sample I/S
Unsuitable Sample U/S

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Water Analysis Certificate - Speciated PAH						
DETS Report No: 19-02581	**Date Sampled**	20/02/19	20/02/19	20/02/19		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P19-7282	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 01/03/2019	**DETS Sample No**	391919	391920	391921		

Determinand	**Unit**	**RL**	**Accreditation**					
Naphthalene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Acenaphthylene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Acenaphthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Fluorene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Phenanthrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(a)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Chrysene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(b)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(k)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(a)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Indeno(1,2,3-cd)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Dibenz(a,h)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(ghi)perylene	ug/l	< 0.008	NONE	< 0.008	< 0.008	< 0.008		
Total EPA-16 PAHs	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		

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Water Analysis Certificate - TPH CWG Banded						
DETS Report No: 19-02581	**Date Sampled**	20/02/19	20/02/19	20/02/19		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P19-7282	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 01/03/2019	**DETS Sample No**	391919	391920	391921		

Determinand	**Unit**	**RL**	**Accreditation**					
Aliphatic >C5 - C6	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C6 - C8	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C8 - C10	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C10 - C12	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C12 - C16	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C16 - C21	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C21 - C34	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic (C5 - C34)	ug/l	< 70	NONE	< 70	< 70	< 70		
Aromatic >C5 - C7	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C7 - C8	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C8 - C10	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C10 - C12	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C12 - C16	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C16 - C21	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C21 - C35	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic (C5 - C35)	ug/l	< 70	NONE	< 70	< 70	< 70		
Total >C5 - C35	ug/l	< 140	NONE	< 140	< 140	< 140		

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Water Analysis Certificate - BTEX / MTBE						
DETS Report No: 19-02581	**Date Sampled**	20/02/19	20/02/19	20/02/19		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P19-7282	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 01/03/2019	**DETS Sample No**	391919	391920	391921		

Determinand	Unit	RL	Accreditation					
Benzene	ug/l	< 1	ISO17025	< 1	< 1	< 1		
Toluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Ethylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
p & m-xylene	ug/l	< 10	ISO17025	< 10	< 10	< 10		
o-xylene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
MTBE	ug/l	< 10	ISO17025	< 10	< 10	< 10		

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Water Analysis Certificate - Volatile Organic Compounds (VOC)						
DETS Report No: 19-02581	**Date Sampled**	20/02/19	20/02/19	20/02/19		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P19-7282	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 01/03/2019	**DETS Sample No**	391919	391920	391921		

Determinand	Unit	RL	Accreditation					
Dichlorodifluoromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Vinyl Chloride	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromomethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Trichlorofluoromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
MTBE	ug/l	< 10	ISO17025	< 10	< 10	< 10		
trans-1,2-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
cis-1,2-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
2,2-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloroform	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromochloromethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,1,1-Trichloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Carbon Tetrachloride	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dichloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Benzene	ug/l	< 1	ISO17025	< 1	< 1	< 1		
1,2-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Trichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromodichloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Dibromomethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
TAME	ug/l	< 5	ISO17025	< 5	< 5	< 5		
cis-1,3-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Toluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
trans-1,3-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,2-Trichloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,3-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Tetrachloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Dibromochloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dibromoethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,1,2-Tetrachloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Ethyl Benzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
m,p-Xylene	ug/l	< 10	ISO17025	< 10	< 10	< 10		
o-Xylene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Styrene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromoform	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Isopropylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,2,2-Tetrachloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,2,3-Trichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
n-Propylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
2-Chlorotoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,3,5-Trimethylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
4-Chlorotoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
tert-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2,4-Trimethylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
sec-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
p-Isopropyltoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,3-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,4-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
n-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
,2-Dibromo-3-chloropropane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Hexachlorobutadiene	ug/l	< 5	ISO17025	< 5	< 5	< 5		

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Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 19-02581
Ashdown Site Investigations Ltd
Site Reference: Kemsley Mill
Project / Job Ref: R18-12883
Order No: P19-7282
Reporting Date: 01/03/2019

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR dete	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichlorometha	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

Appendix B
Ground Gas Monitoring Results

Gas Concentrations and Groundwater Monitoring Results

Site Name:	Proposed CHP Plant, Kemsley Mill
Report Ref:	R18-12883

Position	Date	Time	Gas Pressure (mb)	Emission Rate (l/hr)	Atmospheric Pressure	Atmospheric Trend	Standing Water Depth (m bgl)	Methane (%)				Carbon Dioxide (%)				Oxygen (%)				H_2S (ppm)	CO (ppm)
								Seconds				Seconds				Seconds					
								15	30	45	60	15	30	45	60	15	30	45	60		
SBH1	30/08/18	08:39	0	0.0	1020	Falling	3.80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.2	20.5	20.5	20.5	0	0
SBH2	30/08/18	08:45	0	0.0	1020	Falling	0.58	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.7	20.7	20.7	20.7	0	0
SBH3	30/08/18	08:35	0	0.0	1020	Falling	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	20.7	20.7	20.7	0	0
SBH4	30/08/18	*	*	*	*	*	GL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH6	30/08/18	08:29	0	0.0	1021	Falling	2.91	12.5	13.9	12.6	11.8	6.0	6.8	6.5	6.2	15.3	15.4	15.8	16.0	0	0
SBH1	28/11/18	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SBH2	28/11/18	*	*	*	*	*	0.45	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH3	28/11/18	13:06	0	0.0	1007	Falling	0.75	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	20.3	20.4	20.4	20.4	0	0
SBH4	28/11/18	*	*	*	*	*	GL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH6	28/11/18	12:20	0	0.0	1007	Falling	1.60	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	20.5	20.6	20.5	20.5	0	0
SBH1	20/02/19	***	***	***	***	***	0.50	***	***	***	***	***	***	***	***	***	***	***	***	***	***
SBH2	20/02/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH3	20/02/19	14:56	0	0.0	1017	Falling	0.98	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	18.8	19.4	19.4	19.5	0	0
SBH4	20/02/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH6	20/02/19	14:26	0	0.0	1019	Falling	2.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	20.5	20.6	20.6	0	0

* Standpipe Flooded

** No access available

***Gas tap damaged

ASHDOWN SITE INVESTIGATION
L•I•M•I•T•E•D

Geotechnical and Environmental Consultants

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Company Registration Number
242 6786

Date: 7th September 2018 **Our Ref:** R18-12883/QR1

Dave Toone
Civils Contracting Ltd
3 Archers Park
Branbridges Road
East Peckham
Kent
TN12 5HP

Dear Dave,

Proposed CHP Plant, Kemsley Mill, Kemsley
Quarterly Monitoring Report

In April 2018 Ashdown Site Investigation Ltd. undertook ground investigation works at the above site which included the installation of 3 no. groundwater monitoring wells and 5 no. gas monitoring wells. Details of the installations are presented in the Factual Report on the investigation[1]

Ashdown Site Investigation attended site on the 22nd August 2018 to obtain groundwater samples from the three deep monitoring wells (BH8, GWBH1 and GWBH2). A follow up site visit was made on the 30th August to take readings from the gas monitoring standpipes.

The groundwater samples were tested for a range of heavy metals, sulphate, nitrate, cyanide, speciated polycyclic aromatic hydrocarbon (PAH) compounds, petroleum hydrocarbons speciated by aromatic and aliphatic weight fractions and a range of volatile organic compounds (VOC). The results of the testing are presented in Appendix A.

The gas wells were monitored for concentrations of carbon dioxide, methane, oxygen, hydrogen sulphide and carbon monoxide. The results of the monitoring are presented in Appendix B.

The groundwater samples did not contain any notable concentrations of any of the contaminants tested for, with the vast majority not being recorded to be present above the detection limit for the test.

Three of the gas monitoring wells (SBH1, SBH2 and SBH3) recorded no detectable concentrations of methane and negligible concentrations of carbon dioxide. The fourth well (SBH4) was flooded and could not be monitored. The fifth well (SBH6) recorded high concentrations of methane (up to 13.9%) and carbon dioxide (up to 6.8%).

Yours sincerely

Alex Minchell-Bewick
Ashdown Site Investigation Limited

[1] Factual Report on the Ground Investigation, ref: R18-12883/fr, 20th June 2018

Appendix A
Laboratory Test Results

Alex Bewick
Ashdown Site Investigations Ltd
Unit 3 The Grain Store
Ditchling Common Business Park
Ditchling Common
West Sussex
BN6 8SG

DETS Ltd
Unit 1
Rose Lane Industrial Estate
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Lenham Heath
Kent
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t: 01622 850410
russell.jarvis@qtsenvironmental.com

4480

DETS Report No: 18-81268

Site Reference:	Kemsley Mill
Project / Job Ref:	R18-12883
Order No:	P18-6589
Sample Receipt Date:	24/08/2018
Sample Scheduled Date:	24/08/2018
Report Issue Number:	1
Reporting Date:	31/08/2018

Authorised by:

Kevin Old
Associate Director of Laboratory

Authorised by:

Russell Jarvis
Associate Director of Client Services

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Water Analysis Certificate							
DETS Report No: 18-81268	**Date Sampled**	22/08/18	22/08/18	22/08/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6589	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 31/08/2018	**QTSE Sample No**	356291	356292	356293		

Determinand	Unit	RL	Accreditation	(hs)				
pH	pH Units	N/a	ISO17025	7.2	6.9	6.8		
Total Cyanide	ug/l	< 5	NONE	< 5	< 5	< 5		
Sulphate as SO_4	mg/l	< 1	ISO17025	6	68	50		
Nitrate as NO_3	mg/l	< 0.5	ISO17025	1.4	4	0.6		
Arsenic (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Boron (dissolved)	ug/l	< 5	ISO17025	162	716	1910		
Cadmium (dissolved)	ug/l	< 0.4	ISO17025	< 0.4	< 0.4	0.8		
Chromium (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chromium (hexavalent)	ug/l	< 20	NONE	< 20	< 20	< 20		
Copper (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Lead (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Mercury (dissolved)	ug/l	< 0.05	ISO17025	< 0.05	< 0.05	< 0.05		
Nickel (dissolved)	ug/l	< 5	ISO17025	6	14	45		
Selenium (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Zinc (dissolved)	ug/l	< 2	ISO17025	< 2	12	12		
Total Phenols (monohydric)	ug/l	< 10	NONE	< 10	< 10	< 10		

Subcontracted analysis (S)
Insufficient sample I/S
Unsuitable Sample U/S
(hs) Please note deviating sample due to head space in container

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Rose Lane
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Water Analysis Certificate - Speciated PAH							
DETS Report No: 18-81268	**Date Sampled**	22/08/18	22/08/18	22/08/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6589	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 31/08/2018	**QTSE Sample No**	356291	356292	356293		

Determinand	**Unit**	**RL**	**Accreditation**	(hs)				
Naphthalene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Acenaphthylene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Acenaphthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Fluorene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Phenanthrene	ug/l	< 0.01	NONE	0.01	< 0.01	< 0.01		
Anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(a)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Chrysene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(b)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(k)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(a)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Indeno(1,2,3-cd)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Dibenz(a,h)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(ghi)perylene	ug/l	< 0.008	NONE	< 0.008	< 0.008	< 0.008		
Total EPA-16 PAHs	ug/l	< 0.01	NONE	0.01	< 0.01	< 0.01		

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Water Analysis Certificate - TPH CWG Banded							
DETS Report No: 18-81268	**Date Sampled**	22/08/18	22/08/18	22/08/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6589	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 31/08/2018	**QTSE Sample No**	356291	356292	356293		

Determinand	**Unit**	**RL**	**Accreditation**	(hs)				
Aliphatic >C5 - C6	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C6 - C8	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C8 - C10	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C10 - C12	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C12 - C16	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C16 - C21	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C21 - C34	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic (C5 - C34)	ug/l	< 70	NONE	< 70	< 70	< 70		
Aromatic >C5 - C7	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C7 - C8	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C8 - C10	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C10 - C12	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C12 - C16	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C16 - C21	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C21 - C35	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic (C5 - C35)	ug/l	< 70	NONE	< 70	< 70	< 70		
Total >C5 - C35	ug/l	< 140	NONE	< 140	< 140	< 140		

(hs) Please note deviating sample due to head space in container

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Water Analysis Certificate - BTEX / MTBE							
DETS Report No: 18-81268	**Date Sampled**	22/08/18	22/08/18	22/08/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6589	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 31/08/2018	**QTSE Sample No**	356291	356292	356293		

Determinand	**Unit**	**RL**	**Accreditation**	(hs)				
Benzene	ug/l	< 1	**ISO17025**	< 1	< 1	< 1		
Toluene	ug/l	< 5	**ISO17025**	< 5	< 5	< 5		
Ethylbenzene	ug/l	< 5	**ISO17025**	< 5	< 5	< 5		
p & m-xylene	ug/l	< 10	**ISO17025**	< 10	< 10	< 10		
o-xylene	ug/l	< 5	**ISO17025**	< 5	< 5	< 5		
MTBE	ug/l	< 10	**ISO17025**	< 10	< 10	< 10		

(hs) Please note deviating sample due to head space in container

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Water Analysis Certificate - Volatile Organic Compounds (VOC)							
DETS Report No: 18-81268	Date Sampled	22/08/18	22/08/18	22/08/18		
Ashdown Site Investigations Ltd	Time Sampled	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	TP / BH No	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	Additional Refs	None Supplied	None Supplied	None Supplied		
Order No: P18-6589	Depth (m)	None Supplied	None Supplied	None Supplied		
Reporting Date: 31/08/2018	QTSE Sample No	356291	356292	356293		

Determinand	Unit	RL	Accreditation	(hs)				
Dichlorodifluoromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Vinyl Chloride	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromomethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Trichlorofluoromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
MTBE	ug/l	< 10	ISO17025	< 10	< 10	< 10		
trans-1,2-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
cis-1,2-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
2,2-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloroform	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromochloromethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,1,1-Trichloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Carbon Tetrachloride	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dichloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Benzene	ug/l	< 1	ISO17025	< 1	< 1	< 1		
1,2-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Trichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromodichloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Dibromomethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
TAME	ug/l	< 5	ISO17025	< 5	< 5	< 5		
cis-1,3-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Toluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
trans-1,3-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,2-Trichloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,3-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Tetrachloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Dibromochloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dibromoethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,1,2-Tetrachloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Ethyl Benzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
m,p-Xylene	ug/l	< 10	ISO17025	< 10	< 10	< 10		
o-Xylene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Styrene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromoform	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Isopropylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,2,2-Tetrachloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,2,3-Trichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
n-Propylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
2-Chlorotoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,3,5-Trimethylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
4-Chlorotoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
tert-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2,4-Trimethylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
sec-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
p-Isopropyltoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,3-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,4-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
n-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
,2-Dibromo-3-chloropropane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Hexachlorobutadiene	ug/l	< 5	ISO17025	< 5	< 5	< 5		

(hs) Please note deviating sample due to head space in container

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Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 18-81268
Ashdown Site Investigations Ltd
Site Reference: Kemsley Mill
Project / Job Ref: R18-12883
Order No: P18-6589
Reporting Date: 31/08/2018

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by co	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR detect	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichloromethane	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

Appendix B
Ground Gas Monitoring Results

Gas Concentrations and Groundwater Monitoring Results

Site Name:	Proposed CHP Plant, Kemsley Mill
Report Ref:	R18-12883

Position	Date	Time	Gas Pressure (mb)	Emission Rate (l/hr)	Atmospheric Pressure	Atmospheric Trend	Standpipe Depth (m)	Standing Water Depth (m bgl)	Methane (%)				Carbon Dioxide (%)				Oxygen (%)				H_2S (ppm)	CO (ppm)
									Seconds				Seconds				Seconds					
									15	30	45	60	15	30	45	60	15	30	45	60		
SBH1	30/08/18	08:39	0	0.0	1020	Falling	4.00	3.80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.2	20.5	20.5	20.5	0	0
SBH2	30/08/18	08:45	0	0.0	1020	Falling	4.00	0.58	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.7	20.7	20.7	20.7	0	0
SBH3	30/08/18	08:35	0	0.0	1020	Falling	4.00	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	20.7	20.7	20.7	0	0
SBH4	30/08/18	08:33	*	*	*	*	4.00	GL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH6	30/08/18	08:29	0	0.0	1021	Falling	4.00	2.91	12.5	13.9	12.6	11.8	6.0	6.8	6.5	6.2	15.3	15.4	15.8	16.0	0	0

* Standpipe Flooded

ASHDOWN SITE INVESTIGATION
L•I•M•I•T•E•D

Geotechnical and Environmental Consultants

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Company Registration Number
242 6786

Date: 11th December 2018 **Our Ref:** R18-12883/QR2

Dave Toone
Civils Contracting Ltd
3 Archers Park
Branbridges Road
East Peckham
Kent
TN12 5HP

Dear Dave,

Proposed CHP Plant, Kemsley Mill, Kemsley
Quarterly Monitoring Report

In April 2018 Ashdown Site Investigation Ltd. undertook ground investigation works at the above site which included the installation of 3 no. groundwater monitoring wells and 5 no. gas monitoring wells. Details of the installations are presented in the Factual Report on the investigation[1]

Ashdown Site Investigation attended site on the 28th November 2018 to obtain groundwater samples from the three deep monitoring wells (BH8, GWBH1 and GWBH2). Readings were taken from the gas monitoring standpipes installed in boreholes SBH3 and SBH6. During this visit it was not possible to take gas readings from three of the standpipes; SBH1 was inaccessible and the tops of both SBH2 and SBH4 were waterlogged.

The groundwater samples were tested for a range of heavy metals, sulphate, nitrate, cyanide, speciated polycyclic aromatic hydrocarbon (PAH) compounds, petroleum hydrocarbons speciated by aromatic and aliphatic weight fractions and a range of volatile organic compounds (VOC). The results of the testing are presented in Appendix A.

The groundwater samples did not contain any notable concentrations of any of the contaminants tested for, with the vast majority not being recorded to be present above the detection limit for the test.

Gas monitoring wells SBH3 and SBH6 were monitored for concentrations of carbon dioxide, methane, oxygen, hydrogen sulphide and carbon monoxide. The results of the monitoring are presented in Appendix B.

No detectable concentrations of methane and negligible concentrations of carbon dioxide were recorded.

Yours sincerely

Alex Minchell-Bewick
Ashdown Site Investigation Limited

[1] Factual Report on the Ground Investigation, ref: R18-12883/fr, 20th June 2018

Appendix A
Laboratory Test Results

4480

Alex Bewick
Ashdown Site Investigations Ltd
Unit 3 The Grain Store
Ditchling Common Business Park
Ditchling Common
West Sussex
BN6 8SG

DETS Ltd
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN
t: 01622 850410
russell.jarvis@dets.co.uk

DETS Report No: 18-85949

Site Reference:	Kemsley Mill
Project / Job Ref:	R18-12883
Order No:	P18-6988
Sample Receipt Date:	30/11/2018
Sample Scheduled Date:	30/11/2018
Report Issue Number:	1
Reporting Date:	06/12/2018

Authorised by:

Russell Jarvis
Associate Director of Client Services

DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410

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Water Analysis Certificate							
DETS Report No: 18-85949	**Date Sampled**	28/11/18	28/11/18	28/11/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6988	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 06/12/2018	**DETS Sample No**	375849	375850	375851		

Determinand	Unit	RL	Accreditation	(hs)	(hs)			
pH	pH Units	N/a	ISO17025	7.2	7.1	6.8		
Total Cyanide	ug/l	< 5	NONE	< 5	< 5	< 5		
Sulphate as SO_4	mg/l	< 1	ISO17025	29	80	71		
Nitrate as NO_3	mg/l	< 0.5	ISO17025	6.6	2.1	1		
Arsenic (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Boron (dissolved)	ug/l	< 5	ISO17025	72	571	1250		
Cadmium (dissolved)	ug/l	< 0.4	ISO17025	< 0.4	< 0.4	1.2		
Chromium (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chromium (hexavalent)	ug/l	< 20	NONE	< 20	< 20	< 20		
Copper (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Lead (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Mercury (dissolved)	ug/l	< 0.05	ISO17025	< 0.05	< 0.05	< 0.05		
Nickel (dissolved)	ug/l	< 5	ISO17025	7	13	51		
Selenium (dissolved)	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Zinc (dissolved)	ug/l	< 2	ISO17025	< 2	5	8		
Total Phenols (monohydric)	ug/l	< 10	NONE	< 10	< 10	< 10		

Subcontracted analysis (S)
Insufficient sample I/S
Unsuitable Sample U/S
(hs) Please note deviating sample due to head space in container

DETS Ltd
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Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN
Tel : 01622 850410

Water Analysis Certificate - Speciated PAH							
DETS Report No: 18-85949	**Date Sampled**	28/11/18	28/11/18	28/11/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6988	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 06/12/2018	**DETS Sample No**	375849	375850	375851		

Determinand	**Unit**	**RL**	**Accreditation**	(hs)	(hs)			
Naphthalene	ug/l	< 0.01	NONE	0.03	< 0.01	< 0.01		
Acenaphthylene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Acenaphthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Fluorene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Phenanthrene	ug/l	< 0.01	NONE	0.01	< 0.01	< 0.01		
Anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(a)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Chrysene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(b)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(k)fluoranthene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(a)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Indeno(1,2,3-cd)pyrene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Dibenz(a,h)anthracene	ug/l	< 0.01	NONE	< 0.01	< 0.01	< 0.01		
Benzo(ghi)perylene	ug/l	< 0.008	NONE	< 0.008	< 0.008	< 0.008		
Total EPA-16 PAHs	ug/l	< 0.01	NONE	0.04	< 0.01	< 0.01		

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Water Analysis Certificate - TPH CWG Banded							
DETS Report No: 18-85949	**Date Sampled**	28/11/18	28/11/18	28/11/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6988	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 06/12/2018	**DETS Sample No**	375849	375850	375851		

Determinand	**Unit**	**RL**	**Accreditation**	(hs)	(hs)			
Aliphatic >C5 - C6	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C6 - C8	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C8 - C10	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C10 - C12	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C12 - C16	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C16 - C21	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic >C21 - C34	ug/l	< 10	NONE	< 10	< 10	< 10		
Aliphatic (C5 - C34)	ug/l	< 70	NONE	< 70	< 70	< 70		
Aromatic >C5 - C7	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C7 - C8	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C8 - C10	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C10 - C12	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C12 - C16	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C16 - C21	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic >C21 - C35	ug/l	< 10	NONE	< 10	< 10	< 10		
Aromatic (C5 - C35)	ug/l	< 70	NONE	< 70	< 70	< 70		
Total >C5 - C35	ug/l	< 140	NONE	< 140	< 140	< 140		

(hs) Please note deviating sample due to head space in container

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Lenham Heath
Maidstone
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Tel : 01622 850410

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Water Analysis Certificate - BTEX / MTBE							
DETS Report No: 18-85949	**Date Sampled**	28/11/18	28/11/18	28/11/18		
Ashdown Site Investigations Ltd	**Time Sampled**	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	**TP / BH No**	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	**Additional Refs**	None Supplied	None Supplied	None Supplied		
Order No: P18-6988	**Depth (m)**	None Supplied	None Supplied	None Supplied		
Reporting Date: 06/12/2018	**DETS Sample No**	375849	375850	375851		

Determinand	**Unit**	**RL**	**Accreditation**	(hs)	(hs)			
Benzene	ug/l	< 1	**ISO17025**	< 1	< 1	< 1		
Toluene	ug/l	< 5	**ISO17025**	< 5	< 5	< 5		
Ethylbenzene	ug/l	< 5	**ISO17025**	< 5	< 5	< 5		
p & m-xylene	ug/l	< 10	**ISO17025**	< 10	< 10	< 10		
o-xylene	ug/l	< 5	**ISO17025**	< 5	< 5	< 5		
MTBE	ug/l	< 10	**ISO17025**	< 10	< 10	< 10		

(hs) Please note deviating sample due to head space in container

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Water Analysis Certificate - Volatile Organic Compounds (VOC)							
DETS Report No: 18-85949	Date Sampled	28/11/18	28/11/18	28/11/18		
Ashdown Site Investigations Ltd	Time Sampled	None Supplied	None Supplied	None Supplied		
Site Reference: Kemsley Mill	TP / BH No	BH08	GWBH1	GWBH2		
Project / Job Ref: R18-12883	Additional Refs	None Supplied	None Supplied	None Supplied		
Order No: P18-6988	Depth (m)	None Supplied	None Supplied	None Supplied		
Reporting Date: 06/12/2018	DETS Sample No	375849	375850	375851		

Determinand	Unit	RL	Accreditation	(hs)	(hs)			
Dichlorodifluoromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Vinyl Chloride	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromomethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Trichlorofluoromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
MTBE	ug/l	< 10	ISO17025	< 10	< 10	< 10		
trans-1,2-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
cis-1,2-Dichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
2,2-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chloroform	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromochloromethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,1,1-Trichloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Carbon Tetrachloride	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dichloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Benzene	ug/l	< 1	ISO17025	< 1	< 1	< 1		
1,2-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Trichloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromodichloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Dibromomethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
TAME	ug/l	< 5	ISO17025	< 5	< 5	< 5		
cis-1,3-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Toluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
trans-1,3-Dichloropropene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,2-Trichloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,3-Dichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Tetrachloroethene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Dibromochloromethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dibromoethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Chlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,1,2-Tetrachloroethane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Ethyl Benzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
m,p-Xylene	ug/l	< 10	ISO17025	< 10	< 10	< 10		
o-Xylene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Styrene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromoform	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Isopropylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,1,2,2-Tetrachloroethane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
1,2,3-Trichloropropane	ug/l	< 5	ISO17025	< 5	< 5	< 5		
n-Propylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
Bromobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
2-Chlorotoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,3,5-Trimethylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
4-Chlorotoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
tert-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2,4-Trimethylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
sec-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
p-Isopropyltoluene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,3-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,4-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
n-Butylbenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
1,2-Dichlorobenzene	ug/l	< 5	ISO17025	< 5	< 5	< 5		
,2-Dibromo-3-chloropropane	ug/l	< 10	ISO17025	< 10	< 10	< 10		
Hexachlorobutadiene	ug/l	< 5	ISO17025	< 5	< 5	< 5		

(hs) Please note deviating sample due to head space in container

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Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 18-85949
Ashdown Site Investigations Ltd
Site Reference: Kemsley Mill
Project / Job Ref: R18-12883
Order No: P18-6988
Reporting Date: 06/12/2018

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Water	UF	Alkalinity	Determination of alkalinity by titration against hydrochloric acid using bromocresol green as the end point	E103
Water	UF	BTEX	Determination of BTEX by headspace GC-MS	E101
Water	F	Cations	Determination of cations by filtration followed by ICP-MS	E102
Water	UF	Chemical Oxygen Demand (COD)	Determination using a COD reactor followed by colorimetry	E112
Water	F	Chloride	Determination of chloride by filtration & analysed by ion chromatography	E109
Water	F	Chromium - Hexavalent	Determination of hexavalent chromium by acidification, addition of 1,5 diphenylcarbazide followed by co	E116
Water	UF	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E115
Water	UF	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E115
Water	UF	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through liquid:liquid extraction with cyclohexane	E111
Water	F	Diesel Range Organics (C10 - C24)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	Dissolved Organic Content (DOC)	Determination of DOC by filtration followed by low heat with persulphate addition followed by IR detect	E110
Water	UF	Electrical Conductivity	Determination of electrical conductivity by electrometric measurement	E123
Water	F	EPH (C10 – C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID	E104
Water	F	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of liquid:liquid extraction with hexane followed by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E104
Water	F	Fluoride	Determination of Fluoride by filtration & analysed by ion chromatography	E109
Water	F	Hardness	Determination of Ca and Mg by ICP-MS followed by calculation	E102
Leachate	F	Leachate Preparation - NRA	Based on National Rivers Authority leaching test 1994	E301
Leachate	F	Leachate Preparation - WAC	Based on BS EN 12457 Pt1, 2, 3	E302
Water	F	Metals	Determination of metals by filtration followed by ICP-MS	E102
Water	F	Mineral Oil (C10 - C40)	Determination of liquid:liquid extraction with hexane followed by GI-FID	E104
Water	F	Nitrate	Determination of nitrate by filtration & analysed by ion chromatography	E109
Water	UF	Monohydric Phenol	Determination of phenols by distillation followed by colorimetry	E121
Water	F	PAH - Speciated (EPA 16)	Determination of PAH compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E105
Water	F	PCB - 7 Congeners	Determination of PCB compounds by concentration through SPE cartridge, collection in dichloromethane	E108
Water	UF	Petroleum Ether Extract (PEE)	Gravimetrically determined through liquid:liquid extraction with petroleum ether	E111
Water	UF	pH	Determination of pH by electrometric measurement	E107
Water	F	Phosphate	Determination of phosphate by filtration & analysed by ion chromatography	E109
Water	UF	Redox Potential	Determination of redox potential by electrometric measurement	E113
Water	F	Sulphate (as SO4)	Determination of sulphate by filtration & analysed by ion chromatography	E109
Water	UF	Sulphide	Determination of sulphide by distillation followed by colorimetry	E118
Water	F	SVOC	Determination of semi-volatile organic compounds by concentration through SPE cartridge, collection in dichloromethane followed by GC-MS	E106
Water	UF	Toluene Extractable Matter (TEM)	Gravimetrically determined through liquid:liquid extraction with toluene	E111
Water	UF	Total Organic Carbon (TOC)	Low heat with persulphate addition followed by IR detection	E110
Water	F	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C35. C5 to C8 by headspace GC-MS	E104
Water	F	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of liquid:liquid extraction with hexane, fractionating with SPE followed by GC-FID for C8 to C44. C5 to C8 by headspace GC-MS	E104
Water	UF	VOCs	Determination of volatile organic compounds by headspace GC-MS	E101
Water	UF	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E101

Key

F Filtered
UF Unfiltered

Appendix B
Ground Gas Monitoring Results

Gas Concentrations and Groundwater Monitoring Results

Site Name:	Proposed CHP Plant, Kemsley Mill
Report Ref:	R18-12883

Position	Date	Time	Gas Pressure (mb)	Emission Rate (l/hr)	Atmospheric Pressure	Atmospheric Trend	Standpipe Depth (m)	Standing Water Depth (m bgl)	Methane (%)				Carbon Dioxide (%)				Oxygen (%)				H_2S (ppm)	CO (ppm)
									Seconds				Seconds				Seconds					
									15	30	45	60	15	30	45	60	15	30	45	60		
SBH1	30/08/18	08:39	0	0.0	1020	Falling	4.00	3.80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.2	20.5	20.5	20.5	0	0
SBH2	30/08/18	08:45	0	0.0	1020	Falling	4.00	0.58	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.7	20.7	20.7	20.7	0	0
SBH3	30/08/18	08:35	0	0.0	1020	Falling	4.00	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	20.7	20.7	20.7	0	0
SBH4	30/08/18	08:33	*	*	*	*	4.00	GL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH6	30/08/18	08:29	0	0.0	1021	Falling	4.00	2.91	12.5	13.9	12.6	11.8	6.0	6.8	6.5	6.2	15.3	15.4	15.8	16.0	0	0
SBH1	28/11/18		**	**	**	**	4.00	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SBH2	28/11/18	13:22	*	*	*	*	2.00	0.45	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH3	28/11/18	13:06	0	0.0	1007	Falling	2.00	0.75	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	20.3	20.4	20.4	20.4	0	0
SBH4	28/11/18		*	*	*	*	4.00	GL	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SBH6	28/11/18	12:20	0	0.0	1007	Falling	4.10	1.60	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	20.5	20.6	20.5	20.5	0	0

* Standpipe Flooded