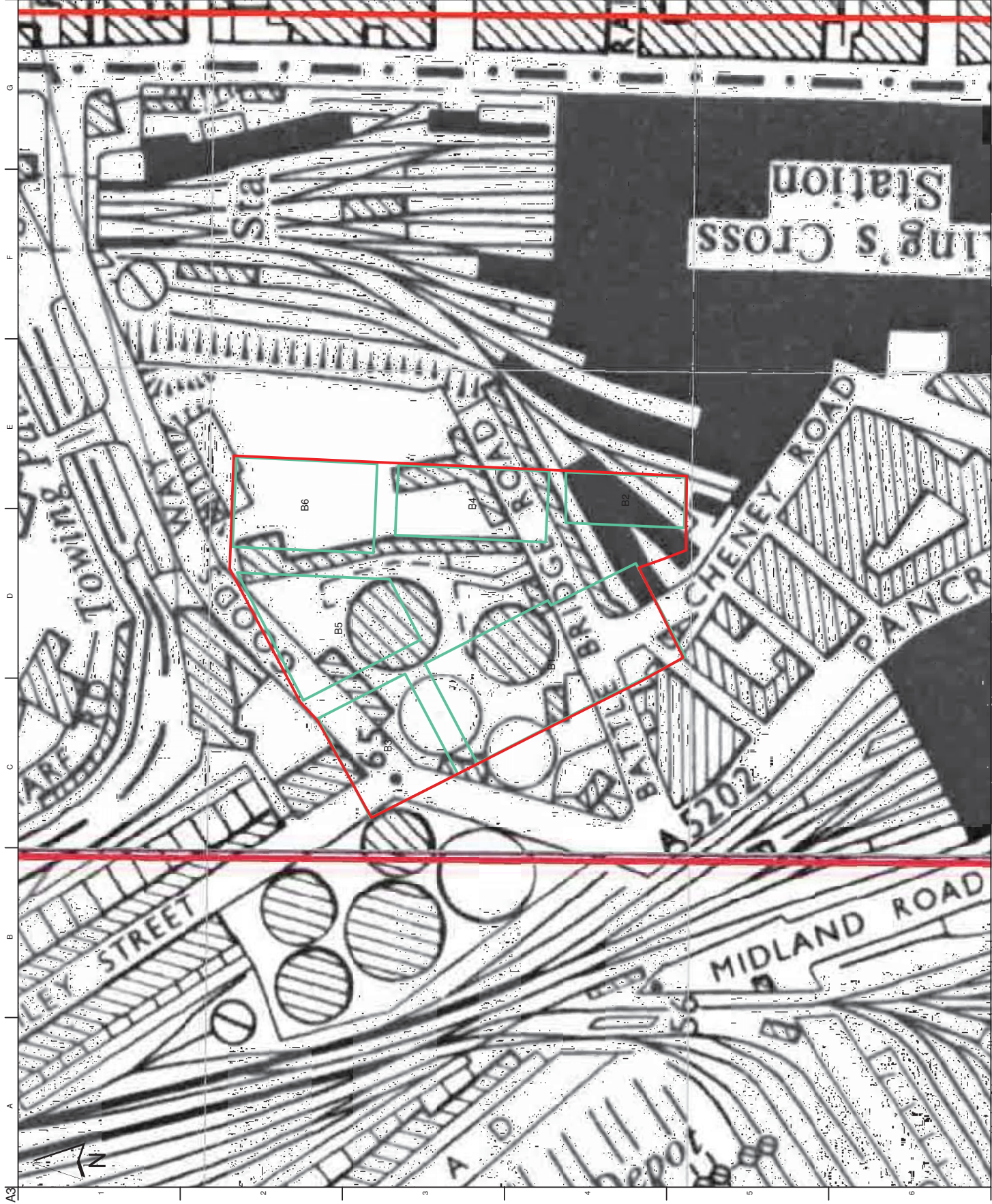




Legend

- ERP boundary
- Zone B building boundaries

Issue	Date	By	VC	RO	Appd
02	01-07-11				

ARUP

10 Filney Street
London W1T 4BQ
Tel +44 (0)20 7836 1531 Fax +44 (0)20 7580 3924
www.arup.com

Client
Kings Cross Central
General Partner Limited

Job Title
KXC Zone B
Earthworks and Remediation Plan

Drawing Title

Historical mapping 1957

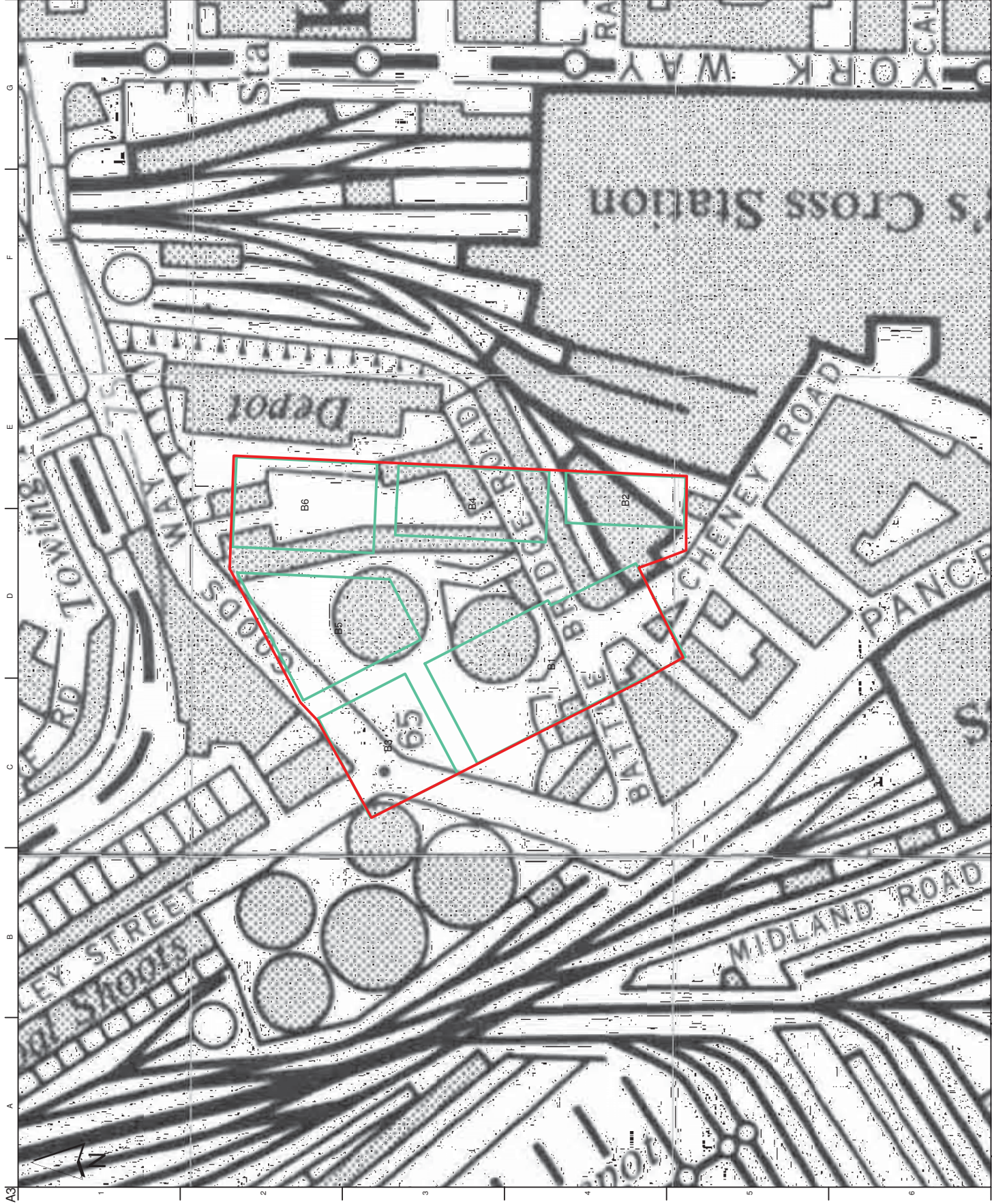
Scale at A3
1:1 500

Discipline
Environment

Drawing Status

Issue

Job No	Drawing No	Appendix A - Drawing 9	Issue
216066			02



Legend

- ERP boundary
- Zone B building boundaries

Issue	Date	By	VC	RO	Appd
02	01-07-11	ML			

ARUP

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Client
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General Partner Limited

Job Title
KXC Zone B
Earthworks and Remediation Plan

Drawing Title

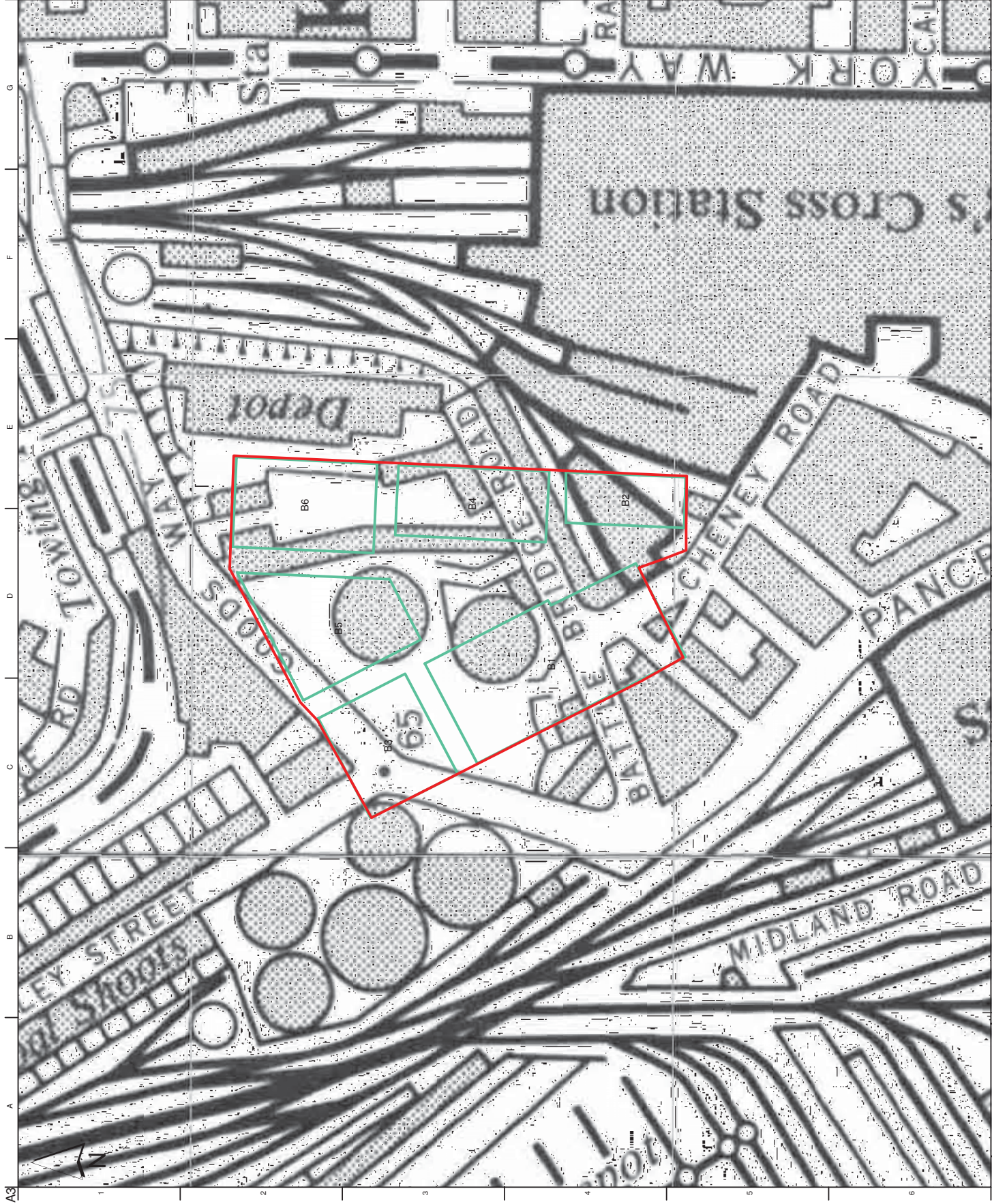
Historical mapping 1965 - 1968

Scale at A3
1:1 500

Discipline
Environment

Drawing Status

Issue	Drawing No	Appendix A - Drawing 10	Issue
	216066		02



Legend

- ERP boundary
- Zone B building boundaries

02	01-07-11	ML	VC	RO
Issue	Date	By	Checked	Approved

ARUP

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Client
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General Partner Limited

Job Title
KXC Zone B
Earthworks and Remediation Plan

Drawing Title

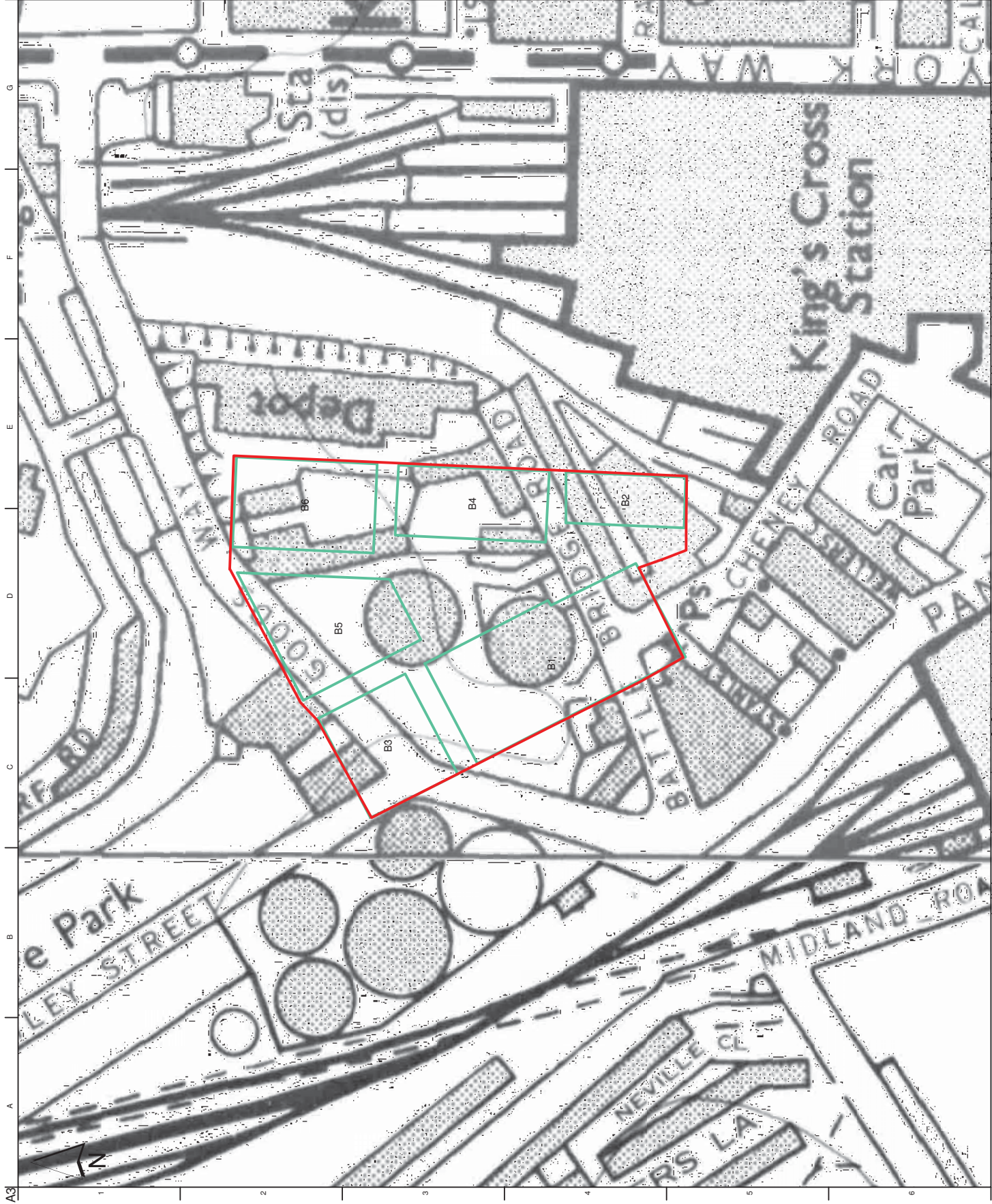
Historical mapping 1982 - 1986

Scale at A3
1:1 500

Discipline
Environment

Drawing Status

Issue	Drawing No	Issue
216066	Appendix A - Drawing 11	02



Legend

- ERP boundary
- Zone B building boundaries

02	01-07-11	ML	VC	RO
Issue	Date	By	Chkd	Appd

ARUP

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Client
Kings Cross Central
General Partner Limited

Job Title
KXC Zone B
Earthworks and Remediation Plan

Drawing Title

Historical mapping 1984 - 1989

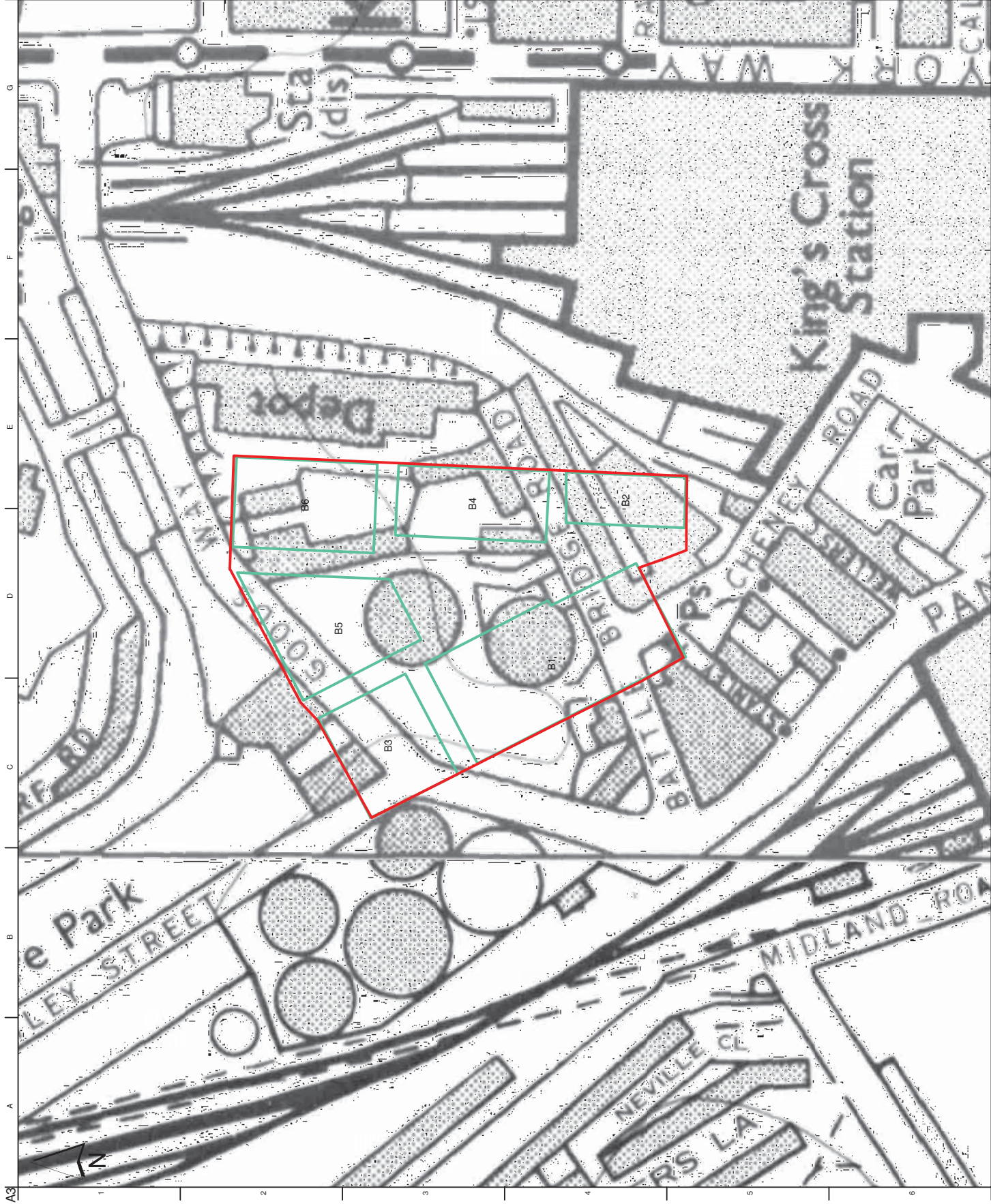
Scale at A3
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Discipline
Environment

Drawing Status

Issue

Job No	Drawing No	Issue
216066	Appendix A - Drawing 12	02



Legend

- ERP boundary
- Zone B building boundaries

Issue	Date	By	VC	RO	Appd
02	01-07-11	ML			

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Client

Kings Cross Central
General Partner Limited

Job Title

KXC Zone B
Earthworks and Remediation Plan

Drawing Title

Historical mapping 1992 - 1994

Scale at A3
1:1 500

Discipline
Environment

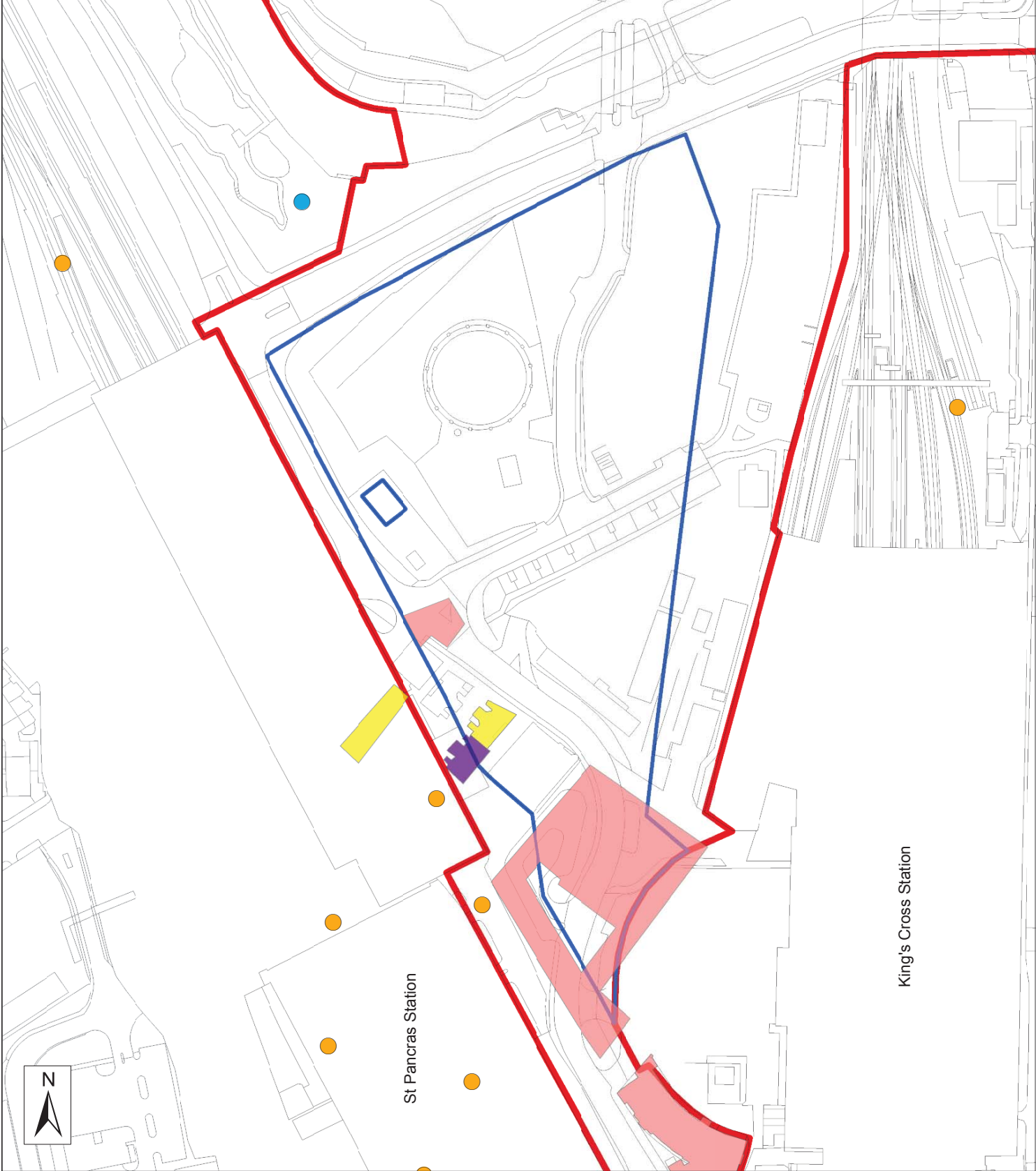
Drawing Status

Issue

Job No	Drawing No	Issue
216066	Appendix A - Drawing 13	01

Appendix B

RPS Unexploded Ordnance Plans



King's Cross Station

King's Cross Station

Legend

- Kings Cross Central Site Boundary
- UXO Area 2

Notes

- Bomb strikes recorded between 7th October 1940 - 28th July 1941
- Night Bomb strikes recorded up to 7th October 1940

War Damage Locations

- Blast Damage, Minor in Nature
- Seriously Damaged, But Repairable at Cost
- Damage Beyond Repair

NOTE: Bomb strike, war damage & historical locations are approximate.

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Data Source: RPS 2007

Status: FINAL

RPS

Explosives Engineering Team 185 Park Street London SE1 9DY
T 020 7325 0999 F 020 7325 0708 E info@rpsgroup.com W www.rpsgroup.com

Client: Argent

Project: Kings Cross Central

Title: Summary of UXO and Explosives Risk
UXO Area 2

Scale: A3 @ 1:1,500
0 0.025 0.05 km



Date: 12/06/2007 Datum: OSGB36 Projection: BNG

Drawn: SRM Checked: - Job Ref: JER3699

Drawing No: JER3699-02-003 Revision: -

Appendix C

Ground Investigation Logs and
Laboratory Test Data

Please see enclosed CD

Appendix D

Screening Assessment

D1 Screening Assessment

D1.1 Introduction

To simplify the assessment of ground contamination risks, the UK statutory guidance suggests that generic soil quality guideline values may be used for initial screening of contamination testing results, provided that such guideline values are available and are appropriate to the site circumstances and the potential pollutant linkages in question. If the results from an adequate site investigation are below the scientific and appropriate guidelines then the site can be regarded as uncontaminated. If the results exceed the screening guidelines then more detailed risk assessment is required to determine whether or not there is a need for remediation.

D1.2 Human Health

D1.2.1 Methodology

Generic assessment criteria (GAC) and Soil Guideline Values (SGVs) have been used to assess whether further action is required to break an identified pollutant linkage. Due to the form of the future development, the commercial/industrial GAC and SGVs have been used as the “assessment criteria”. GAC and SGV values have been calculated using the Contaminated Land Exposure Assessment (CLEA) model software (v.106) issued by the EA.

The assessment criteria used have been used as follows:

- SGV for 11 contaminants (arsenic, cadmium, mercury, nickel, selenium, BTEX, phenol and dioxins, furans and dioxin like polychlorinated biphenyls (PCB)) published during 2009 and 2010;
- Land Quality Management (LQM) and the Chartered Institute of Environmental Health (CIEH) GAC for 31 soil contaminants.
- Contaminated Land: Applications In Real Environments (CL:AIRE) has also developed GAC for 35 additional soil contaminants; and
- Arup has developed assessment criteria for determinands that using CLEA software and published toxicology reports in accordance with recommendations by the EA.

The screening criteria are based on the GAC values for a fraction of organic carbon (foc) content of 1%. The reported results give an average foc of 3.8% and therefore the use of 1% is considered to be a conservative assumption.

Collated soil sample laboratory results are included in Section D2.

D1.2.2 Assessment

Three soil samples collected from the backfill of gasholder 1 and gasholder 3 exceeded the assessment criteria. It is noted that one of these samples is a duplicate collected at approximately the same depth for waste acceptance criteria

testing. A summary of the samples collected from inside the gasholders that exceed the assessment criteria is provided overleaf.

Parameter	Units	No of Samples Tested	Range Measured	Assessment Criteria	No of Samples Exceeding Screening Value
Recent Investigation					
Lead	mg/kg	136	13-7,900	7,300	1
Total Cyanides	mg/kg	69	<0.5-130	78	3
Benzo[a]anthracene	mg/kg	200	290-1,000	90	5 (2.5%)
Benzo[a]pyrene	mg/kg	200	21-870	14	16 (8%)
Benzo[b]fluoranthene	mg/kg	200	140-700	100	5 (2.5%)
Benzo[k]fluoranthene	mg/kg	200	170-460	141	4 (2%)
Chrysene	mg/kg	200	290-1,000	137	4 (2%)
Dibenz(a,h)anthracene	mg/kg	200	20-45	13	2 (1%)
Indeno(1,2,3-c,d)pyrene	mg/kg	200	160-500	60	3 (1.5%)
Naphthalene	mg/kg	200	204-6,300	204	6 (3%)
Total TPH	mg/kg	172	7,100-36,000	2,130	3 (1.5%)
Historical Investigation					
Benzo[a]pyrene	mg/kg	29	0.023-17	14	1
Total TPH	mg/kg	129	3,164-51,488	2,130	6
Note: PAH results from the 'recent investigation' are from gas chromatography-mass spectroscopy analysis (GC-MS).					

Chrysotile and amosite asbestos fibres were identified in samples collected from the areas outside of the gasholders on some of the building plots and in the proposed Pancras Square during the BAM Ritchie ground investigation. A summary of the positive identifications of asbestos fibres on Zone B is provided below.

Location on Zone B	Exploratory hole	Depth (m)	Asbestos type	Asbestos proportion by weight (%)
B1	BH2015	0.3	Amosite	0.1
B6	TP2016-A	1.0	Chrysotile	0.007
Pancras Square	TP2018	0.3	Amosite and chrysotile	0.007

The results and assessment of the chemical testing indicate that elevated concentrations of PAH and asbestos fibres are present inside gasholders 3 and 9.

D1.3 Controlled Waters

D1.3.1 Methodology

In accordance with EA advice to third parties, laboratory results from water samples collected within the gasholder bases have been compared with the UK Drinking Water Standards (DWS). Where no DWS are available the results have been compared against the Environmental Quality Standards (EQS). Collated water sample laboratory results are included in Section D3.

D1.3.2 Assessment

Gasholder 1

Four water samples were collected during the BAM Ritchie ground investigation from a standpipe located inside gasholder 1 (BH2006).

Very high concentrations of TPH, PAH (specifically naphthalene) and BTEX (specifically benzene) were reported in some of the water samples as described below.

- TPH concentrations were reported up to 2,800µg/l (compared with an assessment criteria of 10µg/l);
- Naphthalene concentrations were reported up to 380µg/l (compared with an assessment criteria of 2.4µg/l) during sampling rounds 1 and 2, although concentrations were below method detection limits during sampling rounds 3 and 4; and
- Benzene concentrations were reported up to 910µg/l (compared with an assessment criterion of 1µg/l) during sampling rounds 1 and 2, although concentrations were below method detection limits during sampling rounds 3 and 4.

Slight to moderately high concentrations of cyanide, ethylbenzene and toluene were also reported in water samples collected during the monitoring rounds as described below:

- Total cyanide concentrations of up to 0.78mg/l slightly exceeded the assessment criteria of 0.5mg/l during three sampling rounds;
- A fluoranthene concentration of 0.7µg/l exceeded the assessment criteria of 0.1µg/l during sampling round four;
- Ethylbenzene concentrations of up to 60µg/l exceeded the assessment criteria of 20µg/l during sampling rounds one and two, although concentrations were below method detection limits during sampling rounds three and four; and
- Toluene concentrations of up to 110µg/l exceeded the assessment criteria of 50µg/l during sampling rounds one and two, although concentrations were below method detection limits during sampling rounds three and four.

One water sample was collected from gasholder 1 during the historical ground investigations by WYG. Concentrations of contaminants were low compared with the assessment criteria, with the exception of total cyanide which was moderately elevated.

Gasholder 3

Ten water samples were collected during the BAM Ritchie ground investigation from three borehole locations located inside gasholder 1 (BH2007, BH2012 and BH2014). BH2012 and BH2007 were positioned close to the perimeter of the gasholder. BH2007 was located off-site in Pancras square and three water samples were collected from this borehole. BH2012 was positioned in the centre of the gasholder.

Very high concentrations of TPH, PAH (specifically naphthalene and anthracene), BTEX compounds (specifically benzene, toluene and ethylbenzene) and cyanide (total, free and thiocyanate) were reported in some of the water samples as described below:

- TPH concentrations were above the assessment criteria in samples collected from BH2012 during all sampling rounds, which concentrations reported up to 2,900µg/l (compared with an assessment criteria of 10µg/l). Similar concentrations (up to 3,900µg/l) were recorded in samples collected from BH2007. TPH was significantly elevated in water samples collected from the centre of the gasholder (BH2014) with concentrations of up to 44,000µg/l.
- Naphthalene concentrations were generally significantly elevated in all water samples with recorded concentrations of up to 4000µg/l (compared with an assessment criterion of 2.4µg/l). Anthracene concentrations exceeded the assessment criteria in six samples and was particularly elevated in samples collected from the centre of the gasholder (BH2014, concentrations up to 14µg/l compared with an assessment criteria of 0.1µg/l);
- BTEX compounds were elevated above the assessment criteria in the majority of water samples, although concentrations were particularly high in samples collected from the centre of the gasholder (BH2014). Concentrations of benzene were recorded up to 24,000µg/l during sampling round 3 (compared with an assessment criterion of 1µg/l). Elevated concentrations of toluene (up to 4,300µg/l in BH2014) and ethylbenzene (up to 510µg/l in BH2012) were also recorded; and
- Total cyanide exceeded the assessment criteria in all samples, although generally these were not significantly elevated. The cyanide concentration in the sample collected from the centre of the gasholder (BH2014) during the first round of sampling was recorded at 320mg/l (compared with assessment criteria of 0.5mg/l). Free cyanide and thiocyanate also exceeded the assessment criteria in some locations.

Concentrations of heavy metals were also reported in water samples collected during the monitoring rounds as described below:

- Five arsenic concentrations of up to 15µg/l slightly exceeded the assessment criteria of 10µg/l;
- Three mercury concentrations of up to 1.6µg/l slightly exceeded the assessment criteria of 1µg/l;
- Three selenium concentrations of up to 19µg/l slightly exceeded the assessment criteria of 10µg/l; and
- Four fluoranthene concentrations of up to 2.3µg/l slightly exceeded the assessment criteria of 0.1µg/l.

Groundwater samples were not collected from gasholder 3 during the historical ground investigations.

Gasholder 9

Nine water samples were collected during the BAM Ritchie ground investigation from two boreholes located inside gasholder 9 (BH2004 and BH2016). Both boreholes were positioned close to the perimeter of the gasholder. BH2016 is located off-site on plot B3.

Very high concentrations of TPH, PAH (specifically naphthalene), BTEX compounds (specifically benzene, toluene and ethylbenzene) and cyanide (total, free and thiocyanate) were reported in some of the water samples as described below:

- TPH concentrations were above the assessment criteria in approximately half of the samples collected from both boreholes. TPH was significantly elevated in water samples collected from BH2004 during the first round of sampling, with concentrations of up to 310,000µg/l (compared with an assessment criteria of 10µg/l). TPH concentrations decreased during the later sampling rounds and were below detection limits in some instances;
- Naphthalene concentrations were significantly elevated in water samples collected from BH2004 during the first sampling round, with recorded concentrations of up to 5,500µg/l (compared with an assessment criteria of 2.4µg/l). Concentrations reduced to below detection limits during the later rounds of sampling and were also below detection limits in samples collected from BH2016;
- BTEX compounds in water samples collected during the first sampling round from BH2004 were elevated above the assessment criteria, although concentrations decreased in the following sampling rounds and were low in samples collected from BH2016. Concentrations of benzene were recorded up to 1,500µg/l during sampling round one (compared with assessment criteria of 1µg/l). Elevated concentrations of toluene (up to 300µg/l) and ethylbenzene (up to 57µg/l) were also recorded in samples collected from BH2004.

Slight to moderately high concentrations of lead, selenium, cyanide and ethylbenzene were also reported in water samples collected during the monitoring rounds as described below:

- Five lead concentrations of up to 110µg/l exceeded the assessment criteria of 25µg/l;
- Two total cyanide concentrations of up to 0.71mg/l slightly exceeded the assessment criteria of 0.5mg/l during the first sampling round; and
- Two fluoranthene concentrations of up to 0.6µg/l exceeded the assessment criteria of 0.1µg/l.

Samples collected from the northern side of gasholder 9 (off-site on plot B3) generally contained lower concentrations of contaminants, although it is noted that fewer sampling rounds were undertaken from this location.

The water results of the Oscar Faber ground investigation indicated significantly elevated concentrations of heavy metals (notably lead with concentrations up to

830,000µg/l, cadmium with concentrations up to 510µg/l, arsenic with concentrations up to 1350µg/l and mercury up to 210µg/l in samples collected from BH4a). Coal tars and mineral oils were commonly tested for at this time (rather than TPH). Concentrations of coal tars exceeded 9000mg/l which is considered to be a significantly elevated result.

One water sample was collected from gasholder 9 during the historical ground investigations by WYG. Concentrations of contaminants were low compared with the assessment criteria, with the exception of total cyanide which was moderately elevated.

Gasholder 12

Four water samples were collected from BH2001 installed inside gasholder 12 during the BAM Ritchie ground investigation.

Elevated concentrations of TPH, PAH (particularly naphthalene) and BTEX (particularly benzene and toluene) were reported in water samples collected during sampling rounds one, two and three as described below:

- TPH concentrations were reported up to 13,000µg/l (compared with an assessment criteria of 10µg/l);
- Naphthalene concentrations were reported up to 3,600µg/l (compared with an assessment criteria of 2.4µg/l);
- Benzene concentrations were reported up to 440µg/l (compared with an assessment criteria of 1µg/l); and
- Toluene concentrations were reported up to 140µg/l (compared with an assessment criterion of 50µg/l).

Slight to moderately elevated concentrations of PAH (specifically anthracene and fluoranthene), cyanides and BTEX (ethylbenzene) were also reported as described below:

- One anthracene concentration of 0.3µg/l exceeded the assessment criteria of 0.1µg/l;
- Two fluoranthene concentrations of up to 0.6µg/l exceeded the assessment criteria of 0.1µg/l;
- Total cyanide concentrations of up to 8mg/l exceeded the assessment criteria of 0.5mg/l during each monitoring round;
- Two thiocyanate concentrations of up to 1.6mg/l exceeded the assessment criteria of 0.17mg/l; and
- Ethylbenzene concentrations of up to 33µg/l exceeded the assessment criteria of 20µg/l during each monitoring round.

Ammoniacal nitrogen and sulphate concentrations were reported above the assessment criteria in all the water samples collected from gasholder 12. The highest concentrations of ammoniacal nitrogen and sulphate were 17mg/l and 1,400mg/l respectively.

Gasholder B

One water sample was collected from gasholder B during the historical ground investigations by WYG. Concentrations of contaminants were low compared with the assessment criteria, with the exception of total cyanide which was moderately elevated.

Gasholder C

One borehole was installed in BH1009 within gasholder base C. PBA reported elevated concentrations of PAHs in the water sample collected from the borehole.

Gasholders A, D and 8

No groundwater samples were collected from within the bases of former gasholders A, D or 8.

Outside Gasholders

Groundwater samples collected from BH2015 and BH2005C had determinand concentrations below the assessment criteria, with the exception of sulphate and ammoniacal nitrogen. An elevated lead result from BH2015 was reported from one sample.

D1.4 Ground Gas and Vapour

D1.4.1 Methodology

The ground gas/vapour regime has been assessed by considering both the concentrations of landfill gases in the ground, the quantity and variability of surface emission rates (which is related to ongoing biodegradation and further production of gases) and short term variations (especially peaks) in surface emissions.

The following published guidance on the assessment of ground gas has been used:

- The Building Regulations 2000 Approved Document C;
- CIRIA Report C665 Assessing risks posed by hazardous ground gases to buildings;
- BS 8485: Code of practice for the characterisation and remediation from ground gas in affected developments and
- The Local Authority Guide to Ground Gas, CIEH; London, 2008.

4.6.4 Assessment

The gas monitoring results from the historical and recent ground investigations are provided in Section D4. A summary of the results is presented below:

- All gas results from the 2010/11 PBA ground investigation were classified as characteristic situation (CS)1 which is defined as 'very low hazard potential';

- Carbon dioxide did not exceed 5% concentration by volume in any of the monitoring measurements;
- Hydrogen sulphide was at 1% or below detection limits for all monitoring rounds, (where measured); and
- Methane did not exceed 0.2% concentration by volume in any of the monitoring measurements during the 2010/11 PBA or WYG ground investigations.
- One gas sample was collected from BH2003 which is outside of the gasholder bases. Ammonia was reported at a concentration of 0.02mg/m^3 .
- The sample collected from BH2001 in gasholder 12 reported a naphthalene concentration of 2.83mg/m^3 .
- One sample collected from BH2004 in gasholder 9 reported toluene concentrations of 630mg/m^3 and 450mg/m^3 from the shallow and deep monitoring wells respectively.
- Gas samples collected in gasholder 3 (BH2007, BH2012, BH2014) reported concentrations of ammonia (maximum of 0.22mg/m^3) and naphthalene (0.014mg/m^3).
- Gas samples collected from outside of the gasholders (BH2005C, BH2009 and BH2015) reported concentrations of ammonia (0.06mg/m^3 in BH2009), naphthalene (0.029mg/m^3 in BH2005C, 0.002mg/m^3 in BH2009 and 0.003mg/m^3 in BH2015).

Historical Ground Investigations

- Gas monitoring was undertaken from standpipes located inside gasholders 1 and 9. Low concentrations of carbon dioxide and methane were recorded.
- Very high levels of methane were measured during the WYG ground investigation in gasholder B (BH107). These concentrations classify this area as CS3 which is defined as 'moderate hazard potential'. It was reported by WYG that the measured concentrations were 'above the detection limits' of the gas meter. Subsequently it is reported that a 'Transco engineer detected natural gas' at this location. A gas sample collected at this location reported elevated concentrations of methane, ethane, propane and butane. Elevated concentrations of methane (50%) were also detected in a standpipe (BH102) located in the area outside of the gasholders, which classifies this area as CS2 ('low hazard potential'). However no methane was measured at this location after it had been vented for one hour and sealed for a further two hours.
- A value of 4% methane was recorded in gasholder 9 during the Oscar Faber ground investigation. This concentration reduced to 0.5% after a certain amount of dissipation time, the duration of which was not specified in the report.

D2 Soil Screening Tables

[illegible]

Soil Screening Assessment - BAM Nutfall Ground Investigation Data

Soil Screening Assessment - BAM Nullall Ground Investigation Data

[illegible]

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Soil Screening Assessment - BAM Nutfall Ground Investigation Data

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Ground Investigation			Report Number		Lab Ref	Date	Expositional hole location		Zone B Location	Location on plot as hole number		Depth (m)										Strata																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Soil Screening Assessment - BAM Nutfall Ground Investigation Data

[illegible]

Georep Investigation Report Number	Lab Ref	Depth (m)	Strata	Location on plot gas holder number																			
				Zone 4 Location																			
				Georep Investigation	Lab Ref	Depth (m)	Strata	Georep Investigation	Lab Ref	Depth (m)	Strata	Georep Investigation	Lab Ref	Depth (m)	Strata	Georep Investigation	Lab Ref	Depth (m)	Strata	Georep Investigation	Lab Ref	Depth (m)	Strata
122209	A768292	4m	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1	Inside GH1		
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122209	A768292	122209	122210	122211	122212	122213	122214	122215	122216	122217	122218	122219	122220	122221	122222	122223	122224	122225	122226	122227	122228		
122209	A768292	122209	122210	122211	122212	122213	122214	122215	122216	122217	122218	122219	122220	122221	122222	122223	122224	122225	122226	122227	122228		
122209	A768292	122209	122210	122211	122212	122213	122214	122215	122216	122217	122218	122219	122220	122221	122222	122223	122224	122225	122226	122227	122228		
122209	A768292	122209	122210	122211	122212	122213	122214	122215	122216	122217	122218	122219	122220	122221	122222	122223	122224	122225	122226	122227	122228		
122209	A768292	122209	122210	122211	122212	122213	122214	122215	122216	122217	122218	122219											

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Soil Screening Assessment - BAM Nullall Ground Investigation Data

Soil Screening Assessment - BAM Nutfall Ground Investigation Data

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Soil Screening Assessment - BAM Nuttall Ground Investigation Data

Ground Investigation		Regor Number		Lab Ref		Exposure Date		Zone & Location		Location on plot gas holder number		Depth (m)		Strata		PBA 2010/1		PBA 2010/2		PBA 2010/3		PBA 2010/4		PBA 2010/5		PBA 2010/6		PBA 2010/7		PBA 2010/8		PBA 2010/9		PBA 2010/10		PBA 2010/11		PBA 2010/12		PBA 2010/13		PBA 2010/14		PBA 2010/15		PBA 2010/16		PBA 2010/17		PBA 2010/18		PBA 2010/19		PBA 2010/20		PBA 2010/21		PBA 2010/22		PBA 2010/23		PBA 2010/24		PBA 2010/25		PBA 2010/26		PBA 2010/27		PBA 2010/28		PBA 2010/29		PBA 2010/30		PBA 2010/31		PBA 2010/32		PBA 2010/33		PBA 2010/34		PBA 2010/35		PBA 2010/36		PBA 2010/37		PBA 2010/38		PBA 2010/39		PBA 2010/40		PBA 2010/41		PBA 2010/42		PBA 2010/43		PBA 2010/44		PBA 2010/45		PBA 2010/46		PBA 2010/47		PBA 2010/48		PBA 2010/49		PBA 2010/50		PBA 2010/51		PBA 2010/52		PBA 2010/53		PBA 2010/54		PBA 2010/55		PBA 2010/56		PBA 2010/57		PBA 2010/58		PBA 2010/59		PBA 2010/60		PBA 2010/61		PBA 2010/62		PBA 2010/63		PBA 2010/64		PBA 2010/65		PBA 2010/66		PBA 2010/67		PBA 2010/68		PBA 2010/69		PBA 2010/70		PBA 2010/71		PBA 2010/72		PBA 2010/73		PBA 2010/74		PBA 2010/75		PBA 2010/76		PBA 2010/77		PBA 2010/78		PBA 2010/79		PBA 2010/80		PBA 2010/81		PBA 2010/82		PBA 2010/83		PBA 2010/84		PBA 2010/85		PBA 2010/86		PBA 2010/87		PBA 2010/88		PBA 2010/89		PBA 2010/90		PBA 2010/91		PBA 2010/92		PBA 2010/93		PBA 2010/94		PBA 2010/95		PBA 2010/96		PBA 2010/97		PBA 2010/98		PBA 2010/99		PBA 2010/100		PBA 2010/101		PBA 2010/102		PBA 2010/103		PBA 2010/104		PBA 2010/105		PBA 2010/106		PBA 2010/107		PBA 2010/108		PBA 2010/109		PBA 2010/110		PBA 2010/111		PBA 2010/112		PBA 2010/113		PBA 2010/114		PBA 2010/115		PBA 2010/116		PBA 2010/117		PBA 2010/118		PBA 2010/119		PBA 2010/120		PBA 2010/121		PBA 2010/122		PBA 2010/123		PBA 2010/124		PBA 2010/125		PBA 2010/126		PBA 2010/127		PBA 2010/128		PBA 2010/129		PBA 2010/130		PBA 2010/131		PBA 2010/132		PBA 2010/133		PBA 2010/134		PBA 2010/135		PBA 2010/136		PBA 2010/137		PBA 2010/138		PBA 2010/139		PBA 2010/140		PBA 2010/141		PBA 2010/142		PBA 2010/143		PBA 2010/144		PBA 2010/145		PBA 2010/146		PBA 2010/147		PBA 2010/148		PBA 2010/149		PBA 2010/150		PBA 2010/151		PBA 2010/152		PBA 2010/153		PBA 2010/154		PBA 2010/155		PBA 2010/156		PBA 2010/157		PBA 2010/158		PBA 2010/159		PBA 2010/160		PBA 2010/161		PBA 2010/162		PBA 2010/163		PBA 2010/164		PBA 2010/165		PBA 2010/166		PBA 2010/167		PBA 2010/168		PBA 2010/169		PBA 2010/170		PBA 2010/171		PBA 2010/172		PBA 2010/173		PBA 2010/174		PBA 2010/175		PBA 2010/176		PBA 2010/177		PBA 2010/178		PBA 2010/179		PBA 2010/180		PBA 2010/181		PBA 2010/182		PBA 2010/183		PBA 2010/184		PBA 2010/185		PBA 2010/186		PBA 2010/187		PBA 2010/188		PBA 2010/189		PBA 2010/190		PBA 2010/191		PBA 2010/192		PBA 2010/193		PBA 2010/194		PBA 2010/195		PBA 2010/196		PBA 2010/197		PBA 2010/198		PBA 2010/199		PBA 2010/200		PBA 2010/201		PBA 2010/202		PBA 2010/203		PBA 2010/204		PBA 2010/205		PBA 2010/206		PBA 2010/207		PBA 2010/208		PBA 2010/209		PBA 2010/210		PBA 2010/211		PBA 2010/212		PBA 2010/213		PBA 2010/214		PBA 2010/215		PBA 2010/216		PBA 2010/217		PBA 2010/218		PBA 2010/219		PBA 2010/220		PBA 2010/221		PBA 2010/222		PBA 2010/223		PBA 2010/224		PBA 2010/225		PBA 2010/226		PBA 2010/227		PBA 2010/228		PBA 2010/229		PBA 2010/230		PBA 2010/231		PBA 2010/232		PBA 2010/233		PBA 2010/234		PBA 2010/235		PBA 2010/236		PBA 2010/237		PBA 2010/238		PBA 2010/239		PBA 2010/240		PBA 2010/241		PBA 2010/242		PBA 2010/243		PBA 2010/244		PBA 2010/245		PBA 2010/246		PBA 2010/247		PBA 2010/248		PBA 2010/249		PBA 2010/250		PBA 2010/251		PBA 2010/252		PBA 2010/253		PBA 2010/254		PBA 2010/255		PBA 2010/256		PBA 2010/257		PBA 2010/258		PBA 2010/259		PBA 2010/260		PBA 2010/261		PBA 2010/262		PBA 2010/263		PBA 2010/264		PBA 2010/265		PBA 2010/266		PBA 2010/267		PBA 2010/268		PBA 2010/269		PBA 2010/270		PBA 2010/271		PBA 2010/272		PBA 2010/273		PBA 2010/274		PBA 2010/275		PBA 2010/276		PBA 2010/277		PBA 2010/278		PBA 2010/279		PBA 2010/280		PBA 2010/281		PBA 2010/282		PBA 2010/283		PBA 2010/284		PBA 2010/285		PBA 2010/286		PBA 2010/287		PBA 2010/288		PBA 2010/289		PBA 2010/290		PBA 2010/291		PBA 2010/292		PBA 2010/293		PBA 2010/294		PBA 2010/295		PBA 2010/296		PBA 2010/297		PBA 2010/298		PBA 2010/299		PBA 2010/300		PBA 2010/301		PBA 2010/302		PBA 2010/303		PBA 2010/304		PBA 2010/305		PBA 2010/306		PBA 2010/307		PBA 2010/308		PBA 2010/309		PBA 2010/310		PBA 2010/311		PBA 2010/312		PBA 2010/313		PBA 2010/314		PBA 2010/315		PBA 2010/316		PBA 2010/317		PBA 2010/318		PBA 2010/319		PBA 2010/320		PBA 2010/321		PBA 2010/322		PBA 2010/323		PBA 2010/324		PBA 2010/325		PBA 2010/326		PBA 2010/327		PBA 2010/328		PBA 2010/329		PBA 2010/330		PBA 2010/331		PBA 2010/332		PBA 2010/333		PBA 2010/334		PBA 2010/335		PBA 2010/336		PBA 2010/337		PBA 2010/338		PBA 2010/339		PBA 2010/340		PBA 2010/341		PBA 2010/342		PBA 2010/343		PBA 2010/344		PBA 2010/345		PBA 2010/346		PBA 2010/347		PBA 2010/348		PBA 2010/349		PBA 2010/350		PBA 2010/351		PBA 2010/352		PBA 2010/353		PBA 2010/354		PBA 2010/355		PBA 2010/356		PBA 2010/357		PBA 2010/358		PBA 2010/359		PBA 2010/360		PBA 2010/361		PBA 2010/362		PBA 2010/363		PBA 2010/364		PBA 2010/365		PBA 2010/366		PBA 2010/367		PBA 2010/368		PBA 2010/369		PBA 2010/370		PBA 2010/371		PBA 2010/372		PBA 2010/373		PBA 2010/374		PBA 2010/375		PBA 2010/376		PBA 2010/377		PBA 2010/378		PBA 2010/379		PBA 2010/380		PBA 2010/381		PBA 2010/382		PBA 2010/383		PBA 2010/384		PBA 2010/385		PBA 2010/386		PBA 2010/387		PBA 2010/388		PBA 2010/389		PBA 2010/390		PBA 2010/391		PBA 2010/392		PBA 2010/393		PBA 2010/394		PBA 2010/395		PBA 2010/396		PBA 2010/397		PBA 2010/398		PBA 2010/399		PBA 2010/400		PBA 2010/401		PBA 2010/402		PBA 2010/403		PBA 2010/404		PBA 2010/405		PBA 2010/406		PBA 2010/407		PBA 2010/408		PBA 2010/409		PBA 2010/410		PBA 2010/411		PBA 2010/412		PBA 2010/413		PBA 2010/414		PBA 2010/415		PBA 2010/416		PBA 2010/417		PBA 2010/418		PBA 2010/419		PBA 2010/420		PBA 2010/421		PBA 2010/422		PBA 2010/423		PBA 2010/424		PBA 2010/425		PBA 2010/426		PBA 2010/427		PBA 2010/428		PBA 2010/429		PBA 2010/430		PBA 2010/431		PBA 2010/432		PBA 2010/433		PBA 2010/434		PBA 2010/435		PBA 2010/436		PBA 2010/437		PBA 2010/438		PBA 2010/439		PBA 2010/440		PBA 2010/441		PBA 2010/442		PBA 2010/443		PBA 2010/444		PBA 2010/445		PBA 2010/446		PBA 2010/447		PBA 2010/448		PBA 2010/449		PBA 2010/450		PBA 2010/451		PBA 2010/452		PBA 2010/453		PBA 2010/454		PBA 2010/455		PBA 2010/456		PBA 2010/457		PBA 2010/458		PBA 2010/459		PBA 2010/460		PBA 2010/461		PBA 2010/462		PBA 2010/463		PBA 2010/464		PBA 2010/465		PBA 2010/466		PBA 2010/467		PBA 2010/468		PBA 2010/469		PBA 2010/470		PBA 2010/471		PBA 2010/472		PBA 2010/473		PBA 2010/474		PBA 2010/475		PBA 2010/476		PBA 2010/477		PBA 2010/478		PBA 2010/479		PBA 2010/480		PBA 2010/481		PBA 2010/482		PBA 2010/483		PBA 2010/484		PBA 2010/485		PBA 2010/486		PBA 2010/487		PBA 2010/488		PBA 2010/489		PBA 2010/490		PBA 2010/491		PBA 2010/492		PBA 2010/493		PBA 2010/494		PBA 2010/495		PBA 2010/496		PBA 2010/497		PBA 2010/498		PBA 2010/499		PBA 2010/500		PBA 2010/501		PBA 2010/502		PBA 2010/503		PBA 2010/504		PBA 2010/505		PBA 2010/506		PBA 2010/507		PBA 2010/508		PBA 2010/509		PBA 2010/510		PBA 2010/511		PBA 2010/512		PBA 2010/513		PBA 2010/514		PBA 2010/515		PBA 2010/516		PBA 2010/517		PBA 2010/518		PBA 2010/519		PBA 2010/520		PBA 2010/521		PBA 2010/522		PBA 2010/523		PBA 2010/524		PBA 2010/525		PBA 2010/526		PBA 2010/527		PBA 2010/528		PBA 2010/529		PBA 2010/530		PBA 2010/531		PBA 2010/532		PBA 2010/533		PBA 2010/534		PBA 2010/535		PBA 2010/536		PBA 2010/537		PBA 2010/538		PBA 2010/539		PBA 2010/540		PBA 2010/541		PBA 2010/542		PBA 2010/543		PBA 2010/544		PBA 2010/545		PBA 2010/546		PBA 2010/547		PBA 2010/548		PBA 2010/549		PBA 2010/550		PBA 2010/551		PBA 2010/552		PBA 2010/553		PBA 2010/554		PBA 2010/555		PBA 2010/556		PBA 2010/557		PBA 2010/558		PBA 2010/559		PBA 2010/560		PBA 2010/561		PBA 2010/562		PBA 2010/563		PBA 2010/564		PBA 2010/565		PBA 2010/566		PBA 2010/567		PBA 2010/568		PBA 2010/569		PBA 2010/570		PBA 2010/571		PBA 2010/572		PBA 2010/573		PBA 2010/574		PBA 2010/575		PBA 2010/576		PBA 2010/577		PBA 2010/578		PBA 2010/579		PBA 2010/580		PBA 2010/581		PBA 2010/582		PBA 2010/583		PBA 2010/584		PBA 2010/585		PBA 2010/586		PBA 2010/587		PBA 2010/588		PBA 2010/589		PBA 2010/590		PBA 2010/591		PBA 2010/592		PBA 2010/593		PBA 2010/594		PBA 2010/595		PBA 2010/596		PBA 2010/597		PBA 2010/598		PBA 2010/599		PBA 2010/600		PBA 2010/601		PBA 2010/602		PBA 2010/603		PBA 2010/604		PBA 2010/605		PBA 2010/606		PBA 2010/607		PBA 2010/608		PBA 2010/609		PBA 2010/610		PBA 2010/611		PBA 2010/612		PBA 2010/613		PBA 2010/614		PBA 2010/615		PBA 2010/616		PBA 2010/617		PBA 2010/618		PBA 2010/619		PBA 2010/620		PBA 2010/621		PBA 2010/622		PBA 2010/623		PBA 2010/624		PBA 2010/625		PBA 2010/626		PBA 2010/627		PBA 2010/628		PBA 2010/629		PBA 2010/630		PBA 2010/631		PBA 2010/632		PBA 2010/633		PBA 2010/634		PBA 2010/635		PBA 2010/636		PBA 2010/637		PBA 2010/638		PBA 2010/639		PBA 2010/640		PBA 2010/641		PBA 2010/642		PBA 2010/643		PBA 2010/644		PBA 2010/645		PBA 2010/646		PBA 2010/647		PBA 2010/648		PBA 2010/649		PBA 2010/650		PBA 2010/651		PBA 2010/652		PBA 20	
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[illegible]

D3 Groundwater Screening Tables

Ref	Concentration exceeds the assessment criteria									
Ground Investigation						White Young Green	White Young Green	White Young Green	White Young Green	White Young Green
Lab Ref						WYG11815	WYG11809	WYG11810	WYG11811	WYG11808
Date samples collected						16/07/1999	16/07/1999	20/07/1999	20/07/1999	20/07/1999
Exploratory Hole Location						BH107	BH102	BH104	BH103	BH101
Depth (m)						2.4	0.9	1.0	2.5	0.79
						Inside GHB	Inside GH9	Outside gasholders	Outside gasholders	Outside gasholders
Location						B1	B1	B3	B5	Pancras Square

Concentration exceeds the assessment criteria															nc = no criteria			
Ground Investigation	Report Number	Lab Ref	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011	PBA 2010/ 2011
Screening Criteria	Units	Standard	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1
Location			B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1
Screening Criteria	Units	Standard	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1
Inorganics																		
Calcium	10	ug/l	7.6	1.1	1.3	5.9	0.98	<0.08	0.083	7.7	5.5	8.1	4.2	6.4	8.6	3.9	3.7	1.1
Chlorine	5	ug/l	<0.08	0.083	<0.08	0.088	<0.08	<0.08	0.083	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Chromium	50	ug/l	5.2	4.9	5.1	5.1	5.1	5.1	6.5	6.5	9.8	6.8	5.4	6.1	6.5	9	11	4.5
Copper	2000	ug/l	2.1	5.5	2.4	3.2	9.1	1.1	11	12	12	9.2	4.8	3.1	5.6	14	6.8	1.5
Lead	25	ug/l	7.1	19	<1	2.9	4.1	1.1	11	7.5	16	13	2.2	2.2	3.1	<1	<1	<1
Mercury	1	ug/l	0.15	0.67	0.31	0.29	0.4	0.37	0.38	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	0.18	0.19	0.46
Nickel	50	ug/l	7.3	7.9	5.2	7.1	11	7.7	7.5	9.6	8.1	11	11	11	8.6	11	13	13
Selenium	10	ug/l	4.5	4.4	6.3	4.7	3.8	13	13	9.1	2.9	5	5.3	31	13	9.8	4.3	4.3
Zinc	5000	ug/l	58	78	15	48	25	25	56	55	27	27	30	30	34	54	36	50
Miscellaneous																		
Acidity	nc	mg CaCO ₃ l ⁻¹	190	200	220	130	68	82	82	220	220	120	120	97	180	430	270	140
Alkalinity	nc	mg/l	1200	1200	1200	1000	350	350	350	480	480	480	480	700	720	1200	860	450
Sulphate as SO ₄	250	ug/l	0.19	0.1	<0.05	0.49	2.1	2.9	0.21	<0.05	<0.05	<0.05	<0.05	1	0.49	0.06	0.26	0.22
Corrosive test	0.3	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride free	0.001	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Thiocyanate	0.17	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ammoniacal Nitrogen as N	0.39	mg/l	2	7.8	2.3	3.3	3	55	3	3.3	4.2	5.9	8.6	3.1	0.4	3.9	3.1	13
pH	nc	pH units	7.4	7.5	7.6	7.6	11.5	9.3	9.3	7.7	8	9.1	8.1	9.1	8.4	7.3	7.5	11.6
Electrical conductivity	nc	µS cm ⁻¹	2300	2400	1200	2400	1600	1600	3000	3000	1500	1600	1500	1500	2300	3000	2900	2700
PAH																		
Acenaphthene	2570	ug/l	<0.1	<0.1	<0.1	1.3	1.4	6.9	<0.1	<0.1	<0.1	<0.1	<0.1	1.6	0.2	<0.1	<0.1	2.1
Acenaphthylene	4010	ug/l	<0.1	<0.1	<0.1	0.1	0.3	36	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.2	<0.1	<0.1	0.7
Anthracene	0.1	ug/l	<0.1	<0.1	<0.1	0.2	0.2	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	0.5
Benzo[a]anthracene	0.01	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[b]fluoranthene	17	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[k]fluoranthene	0.36	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[ghi]perylene	0.18	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	1.2	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz[ah]anthracene	0.83	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	nc	ug/l	<0.1	0.3	<0.1	0.7	0.1	1.8	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	0.4	<0.1	<0.1	0.2
Fluorene	nc	ug/l	<0.1	<0.1	<0.1	0.7	0.2	31	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	0.3	<0.1	<0.1	0.8
Indeno[1,2,3-cd]pyrene	0.008	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	2.4	ug/l	<0.1	<0.1	<0.1	0.5	0.5	4000	<0.1	<0.1	<0.1	<0.1	<0.1	860	<0.1	<0.1	<0.1	96
Phenanthrene	106	ug/l	<0.1	0.7	<0.1	0.2	0.3	9.9	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.3	<0.1	<0.1	0.7
Total of 16 PAH	nc	ug/l	<2	<2	<2	2.9	3.9	4100	<2	<2	<2	<2	<2	820	<2	<2	<2	100
Conene	nc	ug/l																
Phenol																		
Phenol (total)	nc	ug/l																
TPH																		
TPH	10	ug/l	65	<10	<10	150	220	44000	<10	<10	<10	<10	<10	2600	<10	<10	<10	530
BTEX																		
Benzene	1	ug/l	<0.1	<0.1	<0.1	<0.1	0.5	21000	<0.1	<0.1	<0.1	<0.1	<0.1	25	<0.1	<0.1	<0.1	300
Enthalzene	20	ug/l	<0.1	<0.1	<0.1	<0.1	0.2	37	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	0.9
Isobutylene	30	ug/l	<0.1	<0.1	<0.1	<0.1	0.5	20	<0.1	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	2.1
n-Butylene	nc	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	200	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	1.6
n-Pentene	nc	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	3100	<0.1	<0.1	<0.1	<0.1	<0.1	4.7	<0.1	<0.1	<0.1	27
NOC																		
2-sec-Butyl-4,6-dinitrophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4-chloro-3-methylphenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Chlorophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2,4-Dichlorophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2,6-Dichlorophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2,4-Dimethylphenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2,6-Dimethylphenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3-Methyl-4-tert-butylphenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3-Methylphenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4-Methylphenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2-Nitrophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4-Nitrophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Pentachlorophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Phenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2,3,4,5-Tetrachlorophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2,3,4,6-Tetrachlorophenol	nc	ug/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2,3,5,6-Tetrachlorophenol	nc	ug/l	<0.0002	<0.0002														

[illegible]

[illegible]

[illegible]

nc = no criteria	Concentration exceeds the assessment criteria															Screening Criteria	Units	Standard	Concentration exceeds the assessment criteria																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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122024	PBA 2011 122024	PBA 2011 122024	PBA 2011 122024

D4 Gas Monitoring Data

Location	Date	Atmospheric pressure (mbar)	Methane (%)	Carbon dioxide (%)	Gas flow (l/hr)
Oscar Faber					
BH3 located inside GH9 on B1 B3 boundary (initial reading)	10/04/91	Not reported	4	0.04	Not reported
BH3 (dissipated reading)	10/04/91	Not reported	0.5	0.04	Not reported
BH5 (GH1, initial reading)	10/04/91	Not reported	1.3	0.05	Not reported
BH5 (GH1, dissipate reading)	10/04/91	Not reported	0.5	0.05	Not reported
White Young Green					
BH104 located inside GH9 on B1 plot	21/07/99	1009	0.1	0.1	-1.0
	10/08/99	1008	0.0	0.1	-1.5
	07/09/99	1008	0.1	0.0	0.1
BH106 located inside GH1 on B1 plot	21/07/99	1009	0.1	0.2	0.05
	10/08/99	1009	0.1	0.3	3.4
	07/09/99	1010	0.0	1.2	0.5
BH107 located inside GHB on B1 plot	21/07/99	1009	1.0	0.2	0.03
	10/08/99	1006	>150	5.0	0.0
	07/09/99	1009	47.6	1.0	0.2
BH102 located outside gasholders on B1 plot	21/07/99	1010	5.0	0.0	0.05
	10/08/99	1007	49.6	0.2	>4.8
	07/09/99	1010	16	0.1	0.02
BH102C located outside gasholders on B5 plot	21/07/99	1009	0.0	0.0	-0.3
	10/08/99	1008	0.0	9.2	0.56
	07/09/99	1009	0.0	9.7	0.1

Historical Gas Monitoring Data Zone B

Location	Date	Atmospheric pressure (mbar)	Methane (%)	Carbon dioxide (%)	Gas flow (l/hr)
BH103 located outside gasholders between B5 and B6 plots	21/07/99	1009	0.0	0.7	-0.9
	10/08/99	1008	0.0	2.2	-0.16
	07/09/99	1010	0.0	2.3	0.1
BH101 located outside gasholders in Pancras Square	21/07/99	1009	0.0	0.6	-1.8
	10/08/99	1009	0.0	0.1	-0.4
	07/09/99	1010	0.0	0.0	0.0
BH105A located inside gasholder A in Pancras Square	21/07/99	1009	0.2	0.0	-1.0
	10/08/99	1009	0.3	0.6	-24.0
	07/09/99	1009	0.3	0.5	0.2
Peter Brett Associates (monitoring undertaken by Norwest Holst)					
BH1007 located outside gasholders in plot B6	25/09/2008	1026	<0.1	0.0	<0.1
	01/10/2008	999	<0.1	0.0	<0.1
	09/10/2008	1028	<0.1	0.0	<0.1
	16/10/2008	1010	<0.1	0.0	<0.1
	23/10/2008	1019	<0.1	0.0	<0.1
	29/10/2008	1009	<0.1	0.0	<0.1
BH1010 located outside gasholders in Pancras Square	25/09/2008	1026	<0.1	0.0	<0.1
	01/10/2008	999	<0.1	0.0	<0.1
	09/10/2008	1028	<0.1	0.0	<0.1
	16/10/2008	1010	<0.1	0.0	<0.1
	23/10/2008	1019	<0.1	0.0	<0.1
	29/10/2008	1009	<0.1	0.0	<0.1
BH1019 located outside gasholders in plot B2	25/09/2008	1026	<0.1	0.0	<0.1
	01/10/2008	999	<0.1	0.0	<0.1
	09/10/2008	1028	<0.1	0.0	<0.1
	16/10/2008	1010	<0.1	0.0	<0.1
	23/10/2008	1019	<0.1	0.0	<0.1
	30/10/2008	996	<0.1	0.0	<0.1

Historical Gas Monitoring Data Zone B

Location	Date	Atmospheric pressure (mbar)	Methane (%)	Carbon dioxide (%)	Gas flow (l/hr)	Characteristic situation
BH2005C located outside the gasholders on B1 plot	09/12/10	1029	0.1	< 0.01	< 0.01	CS1
	14/12/10	1032	0.1	0.0	< 0.01	CS1
	16/12/10	1004	0.1	0.0	< 0.01	CS1
	06/01/11	997	0.0	0.0	< 0.01	CS1
	11/01/11	1002	0.0	0.2	< 0.01	CS1
	25/01/11	1016	0.0	0.0	0.0	CS1
	09/02/11	1016	0.1	0.0	0.0	CS1
	24/02/11	1020	0.0	0.1	0.0	CS1
	10/03/11	1009	0.0	0.2	0.0	CS1
	24/03/11	1034	0.0	0.0	0.1	CS1
BH2004 shallow standpipe located inside GH9 on B1 plot	14/12/10	1032	0.1	0.0	<0.01	CS1
	16/12/10	1004	0.1	0.0	<0.01	CS1
	06/01/11	997	0.0	0.0	<0.01	CS1
	11/01/11	1003	0.1	0.2	<0.01	CS1
	02/02/11	1006	0.0	0.1	0.0	CS1
	09/02/11	1016	0.0	0.0	0.0	CS1
	24/02/11	1018	0.0	0.3	0.0	CS1
	10/03/11	1006	0.0	0.0	0.0	CS1
	24/03/11	1034	0.0	0.0	0.0	CS1
BH2004 deep standpipe located inside GH9 on B1 plot	14/12/10	1032	0.2	0.0	<0.01	CS1
	16/12/10	1004	0.1	0.0	<0.01	CS1
	06/01/11	997	0.0	0.0	<0.01	CS1
	11/01/11	1003	0.0	0.1	<0.01	CS1
	02/02/11	1006	0.0	0.0	0.0	CS1
	09/02/11	1016	0.0	0.0	0.0	CS1
	24/02/11	1018	0.0	0.2	0.0	CS1
	10/03/11	1006	0.0	0.0	0.0	CS1
	24/03/11	1032	0.0	0.0	0.0	CS1
BH2006 shallow standpipe located inside gasholder 1 on B1 plot	14/12/10	1033	0.1	0.0	< 0.01	CS1
	16/12/10	999	0.1	0.1	< 0.01	CS1
	07/01/11	998	0.0	0.1	< 0.01	CS1
	11/01/11	1003	0.0	0.1	< 0.01	CS1
	02/02/11	1006	0.0	0.0	0.0	CS1
	09/02/11	1016	0.0	0.0	0.2	CS1
	24/02/11	1018	0.0	0.0	0.0	CS1

BAM Ritchie Gas Monitoring Data 2010/2011

Location	Date	Atmospheric pressure (mbar)	Methane (%)	Carbon dioxide (%)	Gas flow (l/hr)	Characteristic situation
	10/03/11	1006	0.0	0.0	0.0	CS1
	24/03/11	1032	0.0	0.0	0.0	CS1
BH2006 deep standpipe located inside gasholder 1 on B1 plot	14/12/10	1033	0.1	0.0	< 0.01	CS1
	16/12/10	999	0.1	0.1	< 0.01	CS1
	07/01/11	998	0.0	0.1	< 0.01	CS1
	11/01/11	1003	0.0	0.0	< 0.01	CS1
	02/02/11	1006	0.0	0.0	0.0	CS1
	09/02/11	1016	0.0	0.0	0.0	CS1
	24/02/11	1018	0.0	0.0	0.0	CS1
	10/03/11	1006	0.0	0.0	0.0	CS1
	24/03/11	1034	0.0	0.0	0.0	CS1
BH2012 located inside gasholder 3 on B1 plot	16/12/10	1006	0.1	0.0	< 0.01	CS1
	06/01/11	998	0.0	0.0	< 0.01	CS1
	11/01/11	1000	0.0	0.0	< 0.01	CS1
	24/01/11	1029	0.0	0.0	0.0	CS1
	09/02/11	1016	0.0	0.0	0.0	CS1
	24/02/11	1020	0.0	0.0	0.0	CS1
	10/03/11	1009	0.0	0.0	0.0	CS1
	24/03/11	1034	0.0	0.0	0.0	CS1
BH2014 located inside gasholder 3 on B1 plot	24/01/11	1029	0.0	0.0	0.0	CS1
	09/02/11	1016	0.7	0.0	-0.5	CS1
	24/02/11	1020	0.0	0.0	0.0	CS1
	10/03/11	1009	0.0	0.0	0.0	CS1
	24/03/11	1034	0.0	0.0	0.0	CS1
BH2009 located outside gasholders on B1plot	11/01/11	1001	0.1	0.1	< 0.01	CS1
	26/01/11	1006	0.0	0.0	0.0	CS1
	09/02/11	1016	0.0	0.0	0.0	CS1
	24/02/11	1020	0.0	0.2	0.0	CS1
	10/03/11	1006	0.0	0.0	0.0	CS1
	24/03/11	1034	0.0	0.0	0.0	CS1
BH2001 located inside GH12 on B3 plot	16/12/10	999	0.1	0.1	<0.01	CS1
	07/01/11	998	0.0	0.1	<0.01	CS1
	11/01/11	1003	0.2	0.0	<0.01	CS1
	25/01/11	1016	0.0	0.0	<0.01	CS1
	09/02/11	1013	0.0	0.0	<0.01	CS1

BAM Ritchie Gas Monitoring Data 2010/2011

Location	Date	Atmospheric pressure (mbar)	Methane (%)	Carbon dioxide (%)	Gas flow (l/hr)	Characteristic situation
	24/02/11	1018	0.0	0.0	<0.01	CS1
	10/03/11	1006	0.0	0.0	0.0	CS1
	24/03/11	1032	0.0	0.1	0.0	CS1
BH2003 located outside the gasholders on B3 plot	14/12/10	1033	0.1	0.1	<0.01	CS1
	16/12/10	999	0.1	0.1	<0.01	CS1
	07/01/11	998	0.0	0.1	<0.01	CS1
	11/01/11	1003	0.2	0.0	<0.01	CS1
	24/01/11	1029	0.0	0.0	<0.01	CS1
	09/02/11	1013	0.7	0.7	<0.01	CS1
	24/02/11	1018	0.0	0.0	<0.01	CS1
	10/03/11	1006	0.0	0.1	0.0	CS1
	24/03/11	1032	0.0	0.0	0.0	CS1
BH2002 located outside the gasholders on B3 plot	26/01/11	1006	0.0	0.0	0.0	CS1
	09/02/11	1013	0.0	0.9	0.0	CS1
	24/02/11	1020	0.0	0.1	0.0	CS1
	10/03/11	1006	0.0	0.0	0.0	CS1
	24/03/11	1032	0.0	0.0	0.0	CS1
BH2016 shallow standpipe located outside the gasholders on B3 plot	02/02/11	1006	0.0	0.4	0.0	CS1
	24/02/11	1018	0.0	0.0	0.0	CS1
	10/03/11	1006	0.0	0.2	0.0	CS1
	24/03/11	1032	0.0	0.5	0.1	CS1
BH2016 deep standpipe located outside the gasholders on B3 plot	02/02/11	1006	0.0	0.0	0.0	CS1
	24/02/11	1018	0.0	0.3	0.0	CS1
	10/03/11	1006	-0.3	0.0	0.0	CS1
	24/03/11	1032	0.0	0.0	0.0	CS1

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