

APPENDIX E

*CGL Verification Plan and
Qualified Person MMP Declaration*

CGL Verification Plan

Reference	Principal requirements	Design or construction related	Site visit required by qualified geoenvironmental engineer	Supporting documentation
1.0 General principles	The proposed development will comprise three new earthwork embankments and two new bridge structures supported on piled foundations. The site verification requirements are as follows: - Removal and disposal of Made Ground material generated as part of enabling works excavations; - Excavation of natural soils to obtain formation levels for temporary and permanent works; - Separation and stockpiling of Made Ground and natural soils within the temporary lagoon stockpile area; - Verification sampling and testing including confirming acceptability of site won materials proposed for re-use to comply with site specific re-use criteria (Section 6 of the Remediation Scheme Addendum); - Monitoring of surface and groundwater throughout the construction phases; and - Watching brief for areas of unexpected / unidentified contamination. Amendments will be made to accord with differing conditions encountered during the progress of the works.	Design & construction	YES As detailed in Section 4.0 onwards.	Details of construction programme to be provided by FM Conway Limited (FMC).
2.0 Compliance with legislation	The construction and verification activities on the site should be undertaken in accordance with current health and safety and environmental legislation, in accordance with the contract.	Construction	-	-
3.0 Health and Safety requirements	This verification plan does not specifically cover health and safety requirements. This should be addressed in the Contractor's Health and Safety Plan.	Design & Construction	-	-

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4.0 Waste disposal and materials management	All material bound for off-site disposal (either to a soil treatment facility or to landfill) will require characterisation in accordance with the Hazardous Waste Regulations 2005 and disposal in accordance with the requirements of the Landfill Regulations (2002, as amended) and the Environmental Protection (Duty of Care) Regulations, 1991. See Section 3.1 of Remediation Scheme Addendum for waste classification undertaken at investigation stage and associated appendices for details on waste classification requirements. Management of materials is to be undertaken in conjunction with the scheme Materials Management Plan (MMP) (Aconex ref: A720-E05-IW-BR-CGL-EW-TS-0002 P3).	Construction	YES - Obtain soils data and waste acceptance criteria (WAC) test data; - Screening of soils data against the established re-use criteria (see Section 6 of the RS Addendum); and - Waste classification of arisings requiring off-site disposal.	- Duty of care records for disposal of waste (including discharge consent if pumped groundwater discharged to sewer); - Laboratory test results; and - Material management protocols, as required (i.e. exemptions, permits etc).
5.0 Soft landscaping	Soft landscaping will be required in certain areas of the scheme including the embankment side slopes. Landscape requirements are to be confirmed though will include the use of topsoil and subsoil to act as a growing medium. Subsoil/topsoil will be soil imported from a known and reputable source or validated clean natural soils. Concentrations must be below the Maximum Permissible Concentrations detailed below in Appendix D. The pre-delivery chemical test results and source will be reviewed by a suitably qualified geoenvironmental engineer prior to the material being brought onto site.	Construction	YES - To validate construction of landscaping - To take samples for chemical analysis 1 test per 150 m³ (including a minimum of one test for each separate source material used).	- Source certificates and pre-delivery test data (to be provided by Contractor); - Site visit reports including photographs; - Chemical test results; - Comparison against topsoil import criteria (Appendix H, RS Addendum); and - Layout drawings showing location of areas of soft landscaping.
6.0 Gas protection	No enclosed spaces are proposed as part of the Western Access development requiring gas protection measures and, as such, this aspect if not required.	N/A	N/A	N/A

Reference	Principal requirements	Design or construction related	Site visit required by qualified geoenvironmental engineer	Supporting documentation
7.0 Construction monitoring	Groundwater Groundwater monitoring and sampling to be undertaken monthly during construction within established boreholes for the scheme with increased frequency (weekly) during key phases (e.g. piling operations). Resultant laboratory data to be compared to established trigger levels. Post- construction monitoring to be undertaken initially monthly dropping to bi-monthly for up to one year post construction. Surface water Surface water (Yeading Brook and Grand Union Canal) monitoring to include visual inspection and in situ physico-chemical parameter monitoring to be completed daily. Weekly monitoring and sampling during construction. Additional ammonia sampling to be undertaken from Yeading Brook concurrently with groundwater sampling. Post-construction surface water monitoring to be undertaken monthly up to three months after completion. Contingency measures to be reviewed in line with the RS Addendum.	Construction and post-construction	YES - Undertake water monitoring and obtain water samples; - Screen water data against the established groundwater trigger levels (see Section 9 of the RS Addendum); - Review baseline data for ammonia species in Yeading Brook and track trends in quality; - Pending review of data against trigger levels agree additional measures / contingency with the Environment Agency.	- Site visit reports including photographs; - Monitoring data sheets; - Chemical test results; and - Comparison against the established scheme trigger levels (see Section 9 of the RS Addendum).
8.0 Unexpected contamination	A watching brief, to include visual / olfactory inspection, is to be maintained during all enabling works, pile installation and earthworks construction. A qualified geoenvironmental engineer will undertake part-time supervision of site activities based upon the contractor's proposed programme. The contractor is to maintain a watching brief throughout the programme. Should unexpected contamination be encountered the process contained within Appendix L of the Remediation Scheme Addendum is to be followed. The watching brief is to include visual inspection for gross contamination, including free phase product or gasworks related wastes (e.g. spent oxide / 'blue billy' and foul lime) which are not to be re-used within the scheme.	Construction	YES Site supervision on part time basis, in accordance with Contractor's programme.	- Site visit reports including photographs; - Chemical test results; - Comparison against the established scheme re-use criteria (see Section 6 of the RS Addendum); and - Where required, revised risk assessment.

Qualified Person MMP Declaration

Anne Curtis

From: Yueming Lu <yueming.lu@claire.co.uk>
Sent: 14 June 2018 10:23
To: Jo Strange; waste-exemptions@environment-agency.gov.uk
Subject: CL:AIRE Def. of Waste Code of Practice Declaration - 12/06/2018 13:54:19

Thank you for your recent submission of a Definition of Waste: Development Industry Code of Practice Declaration (DoW CoP).

This Declaration will be submitted to the Environment Agency / Natural Resources Wales under the DoW CoP.

You are reminded that if materials are not used in accordance with the Materials Management Plan or risk assessment or if it is discovered that materials were not suitable for use, were used in excessive quantity or in such a manner as to harm human health or pollute the environment, the Environment Agency / Natural Resources Wales may conclude that those materials were discarded and were waste.

You are also reminded that a Verification Report must be prepared on completion of the work as set out in the Remediation Strategy / Design Statement covering the site. This Verification Report must be provided to the Environment Agency / Natural Resources Wales upon request.

This acknowledgement email relates to the following Declaration

Timestamp	12/06/2018 13:54:19
Qualified Person Name	Jo Strange
Qualified Person Number	153
1. This Declaration relates to -	Direct Transfer - Route B: Direct use of clean naturally occurring soils on another development site
2. Proposed Volumes	4500
3a. Site of origin - name of site owner, address & contact details	n/a
3b. Site of origin - site name & address	n/a
3c. Site of origin - developer name, address & contact details	n/a
4a. Donor Site - developer name, address & contact details	St James West London Ltd, 169 Brent Road, Southall. Middlesex UB2 5LE, Rikki Lamb, Rikki.Lamb@berkeleygroup.co.uk
4b. Donor Site - site name & address	Southall Waterside Development, 170 Brent Road, Southall. Middlesex UB2 5LE
4c. Receiver Site - developer name, address & contact details	St James West London Ltd, 169 Brent Road, Southall. Middlesex UB2 5LE, Rikki Lamb, Rikki.Lamb@berkeleygroup.co.uk
4d. Receiver Site - site name & address	Southall Pump Lane Western Access, UB3 3NB
5a. Soil Treatment Facility / Hub site owner / operator - name, address & contact details	n/a
5b. EA / NRW Permit number for Mobile Treatment Plant or Fixed Soil Treatment site	n/a
5c. Donor site - developer name, address & contact details	n/a
5d. Donor site - name & address	n/a
5e. Receiver site - developer name, address & contact details	n/a

5f. Receiver site name and address	n/a
6a. Local Authority name, address	London Borough of Hillingdon, 3 North Civic Centre, High Street Uxbridge, UB8 1UW
6b. Local Authority - name and contact details:	Matt Kolaszewski- Planning Officer Email: mkolaszewski@hillingdon.gov.uk NB Hillingdon does not have a CLO. This role has been assumed by James Potter, London Borough of Ealing, as sits within 2 boroughs. 07814 191565 Potterj@ealing.gov.uk
6c. Environment Agency / Natural Resources Wales local office address & contact details	Environment Agency, Apollo Court, 2 Bishops Square Business Park, St Albans Rd West, Hatfield Herts AL10 9EX Keith Spence 02084 749920' 07909 000029 keith.spence@environment-agency.gov.uk Permitting Officer- Tom Tarttelin@environment-agency.gov.uk
7. How will payment be made	Credit card by phone - please call 01844 296 112 between 10:00 & 13:30
8. Who will pay the Declaration fee?	James Head, FM Conway
9. Email address of person identified in Q8	James.Head@fmconway.co.uk
10. Terms & Conditions	Person identified in Q8 has read and agreed to the Terms & Conditions.
11. Please provide a purchase order number	please quote 'Western Access'
12a. I confirm that -	I satisfy the Qualified Person requirements set out in Appendix 6 of the Definition of Waste: Development Industry Code of Practice to complete this Declaration. I have reviewed the Materials Management Plan for the above project. I have reviewed the risk assessment. I have reviewed the Remediation Strategy/Design Statement covering the above site. I have requested correspondence / documentation relating to the development and how that relates to the use of materials.
12b. Please provide a reference for the Materials Management Plan	ref 38. CGL, CGN_03732G_Southall_MMP_rev5- 18/4/18
12c. Please provide a reference for the Risk Assessment	ref 5.ARUP, Proposed Bridge Works for Southall Gas Works Redevelopment, Ground contamination: Preliminary Risk Assessment, PRA Issue 4 3 November 2015, Job number 228263 ref 6 ARUP-2015-06-26 Southall Gasworks DQRA ISSUE v7 Job number 228263 ref 36 SP111chemical results and assessment
12d. Please provide a reference for the Remediation Strategy or Design Statement documents.	ref 10. A721-E02-PA-ARU-EN-RP-0003 Arup Proposed Pump Lane Access Works for Southall Gas Works Redevelopment - Remediation Scheme ref 4. CGN03732I_RSA_C1_Oct17 (remediation scheme addendum)
12e. Please provide a reference for the Verification Plan and identify the individual / organisation (and contact details) with responsibility for producing the Verification Report	ref 4. CGN03732I_RSA_C1_Oct17 (remediation scheme addendum)- Appendix M Robin Slade, CGL, robins@cgl-uk.com
12f. Please provide an estimated production date for the Verification Report.	31/08/2018
12g. Please reference other supporting documents as required in the MMP.	1 Site layout plan 2 A720-E05-IW-CCE-EW-DR-0600-P2 Earthworks plan – Formation level to proposed level design 3 CGN03732I_GDR_REV1_Dec16 CGL Geotechnical Design Report 7 A720-E02-PA-BR-ARU-DSK-ST-0001 Arup Proposed Bridge Works for Southall Gas Works Redevelopment: Preliminary Source Study Report – Desk Study 10 A721-E02-PA-ARU-EN-RP-0003 Arup Proposed Pump Lane Access Works for Southall Gas Works Redevelopment - Remediation Scheme

	11 A720-E02-PA-ARU-SIN-RP-0001 Arup Proposed Pump Lane Access Works for Southall Gas Works Redevelopment Outline Geotechnical Design Report: Consented Scheme 12 Arup Proposed Pump Lane Access Works for Southall Gas Works Redevelopment: Ground Investigation Report 13 A720-E05-IW-CGI-EW-DR-0002 rev 1 CGL Contamination observation plan 14 A720- E05-IW-CCE-EW-DR-0600-P3-CAD Earthworks plan – Current level to formation level 15 Earthwork plan volumes ; updated and clarified 16 Temporary stockpile plan 17 Earthworks general arrangement plan 18 Western Access – Environmental Meeting 22nd June 2017 minutes 19 A720-E05-IW-CGL-EW-RP-0002 CGL Southall Western Access Lagoon Temporary Stockpile Appraisal – Revision 2 21 Invasive Species plan 11.07.2017 22 MMP (Rev 2 27/7/17) 24 tracking sheet 25 proof of contract for dealing with 'out of spec'-Volume 2.9 position statement, Ref A2 (Scope) - Clause 28 26 lagoon stockpile plan FMC-SS-WE-101-B, 13.12.2017 28 CLW Southall Western Access - Remediation Strategy APP 27 CLW MPP21 V3 deployment form for combination of bioremediation and stabilisation Environmental Permit, ref. EAWML/83671. 29 MMP Rev 4(7/2/2018) 31 revised cut/ fill balance 30 soil descriptions and lab testing, from stockpiles 37 HR Blackwell drawing, 11/5/18 'dig areas for Conway Gravel'. (plan showing the location which was dug and the excavated material was stockpiled in SP111.) 39 email from FM Conway confirming stockpile 111 is still in place
13a. I confirm that I have reviewed the following correspondence / documentation relating to the development and how that relates to the use of materials from:	a) The Local Authority, b) Environment Agency / NRW, c) Other relevant environmental regulatory bodies associated with the development, e.g. Defra, Natural England
13b. Please reference the correspondence with the Local Authority.	ref 8 London Borough of Hillingdon Decision Notice PDU/2310/06 relating to application 54814/APP/2009/430 ref 9 Planning approval relating to Condition 19 Ref: 54814/APP/2015/4215, James Rodger (LBH_ to Emma Beardmore (St James) 17/10/2016 ref 33 LA correspondence with LB Ealing CLO- James Potter, agreement to use of MMP in principal subject to details- subsequent agreement to use of proposed materials-email chain ending 7/6/18
13c. Please reference the correspondence with the EA / NRW.	ref 23 email from EA(Keith Spence -EA to Robin Slade -CGL 26/7/17- accepting remediation methodology and use of MMP ref 34-EA email from Keith Spence confirming no objection for EA waste team, 3/5/18
13d. Please reference the correspondence with other relevant regulatory bodies	ref 20-Canal & River Trust – letter Toby Pearce (C&WT) to Rikki Lamb Berkeley Homes (Southall Waterside) , 19/6/17 Acceptance of Temporary Stockpiling of Material letter
14a. I have reviewed the planning consent including planning conditions	54814/APP/2009/430
14b. I have reviewed correspondence concerning the planning consent regarding the development from	a) The Local Authority , b) Environment Agency / NRW
14c. Please list correspondence reviewed in 15.	ref 9 Planning approval relating to Condition 19 Ref: 54814/APP/2015/4215, James Rodger (LBH_ to Emma Beardmore (St James) 17/10/2016 ref 23-email from EA(Keith Spence -EA to Robin Slade -CGL 26/7/17- accepting remediation methodology and use of MMP

15. If planning consent is not required please explain why	n/a
16. I confirm that the MMP contains the information required:-	The risk assessment assesses human health and environmental risks in relation to the proposed uses of all the materials in the MMP. The risk assessment concludes that the objectives of preventing harm to human health and pollution of the environment will be met if materials are used in the proposed manner., The Local Authority, the Environment Agency / Natural Resources Wales and other relevant environmental regulatory bodies have not objected to the proposed development / land remediation on the basis that the use of any material is likely to cause harm to human health or pollution of the environment. [This confirmation should be given regardless of whether planning consent is required for the activity. Also see paragraph 3.37 of the CoP.], The EA/NRW have not objected to the reuse of materials on the grounds that it a.) constitutes a waste management operation or b.) has had a previous application for an environmental permit for waste recovery refused (on the grounds that the project represents waste disposal)., The project or phase to which this Declaration applies has not yet commenced; this is not a retrospective application of the DoW CoP., The project does not involve land-spreading / agricultural re-profiling.