

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Buckingham Group Contracting Limited

Gateway South Coventry
Off Bubbenhall Road
Baginton
Coventry
CV3 4HX

Variation application number

EPR/HB3209GC/V002

Permit number

EPR/HB3209GC

Gateway South Coventry

Permit number EPR/HB3209GC

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

As part of this variation and consolidation permit the deposit of hazardous waste for the recovery aspect of this operation has been added as a listed activity as well as a liming treatment activity to manage moisture content within the bund during construction. These listed activities are installation activities.

This variation covers changes in the waste acceptance criteria to be applied, for which appropriate groundwater risk assessment modelling has been carried out, and the addition of the hazardous waste codes 170503*, 190304*, 190306*, 191211* and non-hazardous code 191212.

The variation risk assessment modelling has incorporated more site specific information to allow the waste acceptance criteria to be revised. The variation has also incorporated groundwater compliance limits agreed under pre-operational condition 3, for the boreholes installed under pre-operational condition 2 and the addition of surface water monitoring locations at the inflow and outflow locations of the carrier drain approved under pre-operational condition 5.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/HB3209GC/A001	Duly made 03/12/2019	Application for a deposit for recovery and treatment permit.
Further information received	17/01/2020	Updated Dust and Emissions Management Plan received in response to Schedule 5 Notice sent on 06/01/2020.
Further information received	18/01/2020	Updated Odour Management Plan received in response to Schedule 5 Notice sent on 06/01/2020.
Further information received	20/01/2020	Updated documents received in response to Schedule 5 Notice sent on 06/01/2020: - Final level contour plans; Geo-technical Design Reports.
Further information received	21/01/2020	Updated documents received in response to Schedule 5 Notice sent on 06/01/2020: - Remediation Method Statement; Detailed Quantitative Risk Assessment
Permit determined EPR/HB3209GC	24/01/2020	Permit issued to Buckingham Group Contracting Limited.

Status log of the permit		
Description	Date	Comments
Application EPR/HB3209GC/V002 (variation and consolidation)	Duly made 28/05/2020	Variation to update the waste acceptance criteria and to add additional hazardous and non- hazardous waste codes. Application to vary and update the permit to modern conditions.
Variation determined and consolidation issued EPR/HB3209GC	28/04/2021	Varied and consolidated permit issued in modern format

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/HB3209GC

Issued to

Buckingham Group Contracting Limited (“the operator”)

whose registered office is

**Blackpit Farm
Stowe
Buckingham
MK18 5LJ**

company registration number 2181671

to operate a regulated facility at

**Gateway South Coventry
Off Bubbenhall Road
Baginton
Coventry
CV3 4HX**

to the extent set out in the schedules.

The notice shall take effect from 28/04/2021.

Name	Date
Alan Whitley	28/04/2021

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions were added as a result of the application made by the operator:

Condition 1.2.1 in relation to energy efficiency

Condition 1.3.1 regarding the efficient use of raw materials

Condition 1.4 Avoidance, recovery and disposal of wastes produced by the activities

Condition 2.3.4 Monitoring and recording of waste activities

Condition 2.4.1 regarding hazardous waste storage and treatment.

Condition 2.6.4 for wastes accepted for treatment in accordance with waste operation A6 and table S2.2.

The following conditions were varied as a result of the application made by the operator:

Condition 2.6.1 (a) amended to remove reference to table S2.2 and add reference to table S2.4.

Schedule 1 Table S1.1 amended to add 3 installation activities and amend the limits and references to the waste tables.

Schedule 1 Table S1.2, 'Operating Techniques', as referred to by condition 2.3.1 - updated to add new operating techniques

Schedule 2 Table S2.2 as referred to by condition 2.6.1(a) - addition of the hazardous waste codes 170503*, 170903*, 190304*, 190306*, 191211* as well as the addition of non-hazardous waste code 191212.

Schedule 3 Table S3.1 Groundwater – emission limits and monitoring requirements, as referred to by condition 3.5.1 – table updated to include monitoring points and emission limits

Table S3.3 Surface water – other monitoring requirements, as referred to by condition 3.5.1 – new monitoring points added

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/HB3209GC

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/HB3209GC/V002 authorising,

Buckingham Group Contracting Limited (“the operator”),

whose registered office is

Blackpit Farm

Stowe

Buckingham

MK18 5LJ

company registration number 2181671

to operate an installation and waste operations at

Gateway South Coventry

Off Bubbenhall Road

Baginton

Coventry

CV3 4HX

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Alan Whitley	28/04/2021

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR3), the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR3), the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1, table S1.1 (the 'activities').
- 2.1.2 For the following activity referenced in schedule 1, table S1.1 (AR2) waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ('plan') specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.

2.4 Hazardous waste storage and treatment

- 2.4.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

2.6 Waste acceptance

2.6.1 Waste shall only be accepted for deposit if:

- (a) it is of a type and quantity listed in schedule 2, table S2.2;
- (b) it has been identified as a suitable waste in the approved waste recovery plan;
- (c) its chemical, physical and biological characteristics make it suitable for its intended use on the site; and
- (d) it fulfils the approved waste acceptance criteria; and
- (e) all the approved waste acceptance procedures have been completed; and
- (f) it conforms to the description in the documentation supplied by the producer and holder; and
- (g) it is not waste consisting solely or mainly of dusts, powders or loose fibres; and
- (h) it is not waste in liquid form.

2.6.2 The operator shall:

- (a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the site and waste at the point of deposit; and
- (b) be satisfied that the waste conforms to the requirements of condition 2.6.1.

2.6.3 The total quantity of waste that shall be deposited under the permit shall be limited by the final levels shown on the final levels contour plan referenced in schedule 1 table S1.2.

2.6.4 For the following activity referenced in schedule 1, table S1.1 (AR3 and AR5) waste shall only be accepted for treatment if:

- (a) it is of a type and quantity listed in schedule 2, table(s) S2.2; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.7 Site Engineering

2.7.1 (a) No construction of site engineering in the area for waste deposit shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

(b) The operator shall review the construction proposals every 6 months.

2.7.2 The construction of site engineering in the area for waste deposit shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or all the approved waste acceptance procedures have been completed; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.7.3 The operator shall prepare a CQA Validation Report to cover every 6 month period of construction of the area for deposit. The operator shall submit the CQA validation report to the Environment Agency within 4 weeks of the completion of the works.

2.7.4 No waste shall be recovered in the area for waste deposit until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.

2.7.5 No construction of site infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

- 2.7.6 The construction of the site infrastructure shall take place only in accordance with the approved construction proposals unless:
- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
 - (b) a change has otherwise been agreed in writing by the Environment Agency.
- 2.7.7 The operator shall submit a CQA Validation Report within 4 weeks following the construction of the site infrastructure.
- 2.7.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.7.4 and 2.7.5 do not apply and the relevant site infrastructure may be constructed, provided that the construction proposals are submitted to the Environment Agency as soon as practicable.
- 2.7.9 For the purposes of conditions 2.7.1, 2.7.4 and 2.7.6, the Environment Agency shall be deemed to be satisfied where it has not, within the period of 4 weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:
- (a) confirmed whether or not it is satisfied; or
 - (b) informed the operator that it requires further information.
- 2.7.10 Where the Environment Agency has required further information under condition 2.7.9(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:
- (a) confirmed whether or not it is satisfied; or
 - (b) informed the operator that it requires further information.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 The limits given in schedule 3 shall not be exceeded.
- 3.1.2 The operator shall prevent the input of any hazardous substances from the activities into groundwater.
- 3.1.3 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:
- (a) between nine and six months prior to the sixth anniversary of the granting of the permit, and
 - (b) between nine and six months prior to every subsequent six year anniversary of the granting of the permit.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) Groundwater specified in table S3.1;
- (b) Ground gas specified in table S3.2; and
- (c) Surface water specified in table S3.3.

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

- 3.5.3 The operator shall undertake a topographical survey of the site referenced to ordnance datum that shall be used to produce a plan of a scale adequate to show the surveyed features of the site:
- (a) prior to commencement of the recovery activity; and
 - (b) on completion of the recovery activity to show final waste levels.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made or, in the case of the following records, until permit surrender:
 - (i) off-site environmental effects;
 - (ii) matters which affect the condition of the land and groundwater;
 - (iii) waste types and quantities;
 - (iv) the results of groundwater monitoring;
 - (v) the results of ground gas monitoring; and
 - (vi) the results of surface water monitoring
- 4.1.2 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery, origin and the identity of the carrier and producer of any waste that is received for recovery. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.
- 4.1.3 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) the annual production/treatment set out in schedule 4, table S4.2;
 - (c) the performance parameters set out in schedule 4 table S4.3;

- (d) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall submit the topographical survey plans required by condition 3.5.3 (a) and (b) to the Environment Agency within one month of the completion of the survey.

4.3 Notifications

4.3.1 In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

- (a) inform the Environment Agency,
- (b) take the measures necessary to limit the environmental consequences of such an incident or accident, and
- (c) take the measures necessary to prevent further possible incidents or accidents;

4.3.2 In the event of a breach of any permit condition the operator must immediately—

- (a) inform the Environment Agency, and
- (b) take the measures necessary to ensure that compliance is restored within the shortest possible time.

4.3.3 In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.4 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.5 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.6 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

4.3.7 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

- 4.3.8 The operator shall notify the Environment Agency in writing:
- (a) at least 14 days before the commencement of the recovery activity;
 - (b) within 14 days of completion of the recovery activity.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made 'immediately', in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	<p>Section 5.3 Part A(1)(a)(vi) Recycling or reclamation of inorganic materials other than metals or metal compounds.</p>	<p>Deposit for recovery of hazardous waste for the purposes of construction of a bund.</p> <p>R3: Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p> <p>R5: Recycling/ reclamation of other inorganic compounds</p>	<p>From receipt of hazardous waste to emplacement in the bund with other suitable non-hazardous wastes for the purposes of construction.</p> <p>All hazardous waste deposited must meet the criteria specified in the detailed quantitative risk assessment (DQRA).</p> <p>Treatment is limited to manual sorting and manual separation of hazardous waste.</p> <p>The bund shall be constructed of separate layers of co-emplaced hazardous and non-hazardous waste under installation activity AR1 and waste operation AR4.</p> <p>There shall be no mechanical mixing or blending of the hazardous and non-hazardous layers.</p> <p>No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.</p>
AR2	<p>Section 5.6 Part A(1)(a) Temporary storage of hazardous waste.</p>	<p>Storage of hazardous waste prior to deposit.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p>	<p>From receipt of hazardous waste to their secure storage prior to emplacement in the bund for the purposes of construction.</p> <p>Storage of wastes shall be limited to 6 months.</p> <p>No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.</p>

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR3	Section 5.3 Part A(1)(a)(ii) Physico-chemical treatment	Physico-chemical treatment of wastes to reduce the moisture content of the waste deposited in the bund using product quicklime and product cement. R3: Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) R5: Recycling/ reclamation of other inorganic compounds	Treatment shall be limited only to those hazardous wastes deposited in accordance with activity AR1 and for the purposes of construction, restoration, reclamation or improvement of land only. No waste types shall be submitted to this activity other than those hazardous wastes deposited in accordance with activity AR1.

Waste Operations		
Activity reference	Description of activities for waste operations	Limits of activities
AR4	Deposit for recovery of non-hazardous waste for the purposes of construction of a bund. R3: Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) R5: Recycling/ reclamation of other inorganic compounds Storage of waste prior to deposit for recovery. R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt and storage of non-hazardous waste to emplacement in the bund with other suitable hazardous wastes for the purposes of construction. All non-hazardous waste deposited must meet the criteria specified in the detailed quantitative risk assessment (DQRA). Treatment is limited to manual sorting and manual separation of non-hazardous waste. The bund shall be constructed of separate layers of co-emplaced non-hazardous waste and hazardous waste under waste operation AR4 and installation activity AR1. There shall be no mechanical mixing or blending of the non-hazardous and hazardous layers.

Waste Operations		
Activity reference	Description of activities for waste operations	Limits of activities
		<p>No waste types shall be submitted to this activity other than those non-hazardous wastes specified in Schedule 2, Table S2.2.</p> <p>Wastes shall be securely stored prior to deposit for the purposes of construction work, restoration, reclamation or improvement of land.</p> <p>Storage of wastes shall be limited to 6 months.</p>
AR5	<p>Non-hazardous physical and chemical treatment facility</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p> <p>R5: Recycling/reclamation of other inorganic compounds</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p>	<p>Physical treatment of non-hazardous wastes that are specified in Table S2.2 including only manual picking and mechanical screening to produce material for recovery on site.</p> <p>Physico-chemical treatment of non-hazardous wastes that are specified in Table S2.2 limited to solidification only by the addition of hydraulic binders, quicklime and cement for the purposes of construction work and/or restoration, reclamation or improvement of land.</p> <p>Secure storage of wastes listed in Table S2.2</p>
AR6	<p>Storage of waste for the purposes of covering and finishing of the bund once the deposit is complete.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>Covering and finishing of the bund once the deposit is complete.</p> <p>R10: Land treatment resulting in benefit to agriculture or ecological improvement</p>	<p>Use of waste to create / treat a final growth layer.</p> <p>Wastes listed in Table S2.3 may only be recovered in the final 500mm layer of the scheme.</p> <p>Secure storage of wastes listed in Table S2.3 shall be limited to 3 years.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Approved waste recovery plan document (reference GSC-HYD-XX-ZZ-RP-GE-0004 Version 1 dated 04/07/19) in response to section 1c of Part B4 of the application form.	08/07/2019
Schedule 5 response	Dust & Emission Management Plan Reference V001	17/01/2020
Schedule 5 response	Odour Management Plan BGC-T19043-OMP001	18/01/2020
Schedule 5 response	Final levels contour plans provided in ESSD Drawing package 4 (D-ESSD4) (GSC-HYD-XX-ZZ-RP-GE-0006-S0-P04.01)	20/01/2020
Schedule 5 response	Waste acceptance criteria provided in Appendix H of the Remediation Method Statement ((GSC-HYD-XX-ZZ-RP-GE-0005-S4-P11 RMS) and developed in the DQRA (Coventry Gateway DQRA 19 Jan 2020), and report submitted for Pre-operational condition 4. Superseded by Variation Application RMS & DQRA as received 21.08.20	21/01/2020
Schedule 5 response	Environmental monitoring plan provided in Appendix E and Appendix F of the Remediation Method Statement (GSC-HYD-XX-ZZ-RP-GE-0005-S4-P11 RMS), and groundwater compliance limits to be agreed under pre-operational condition 3.	21/01/2020
Schedule 5 response	Geotechnical Design Reports for the Landscape bund (GSC-HYD-DP-RP-GE-4005-S4-P4_GDR_Landscape Bund) and the sports pitches (GSC-HYD-DP-RP-GE-4004-S4-P4_GDR_Sports Pitches), and revised designs to be agreed under pre-operational condition 5.	20/01/2020
Variation Application	Waste acceptance criteria provided in Appendix H of the Remediation Method Statement ((GSC-HYD-XX-ZZ-RP-GE-0005-S4-P13 RMS) and developed in the DQRA (GWSC-ROU-ZZ-XX-RP-Y-0002-v3 August 2020).	21/08/2020
Variation Application	GSC Geotechnical Improvement Document covering the liming activity AR3 – Ref 080421 MIC GSC Geotechnical Improvement of Hazardous Material Rev 05	08/04/2021

Table S1.3 Pre-operational measures	
Reference	Pre-operational measures
1	<p>Prior to the use of any of the wastes listed in Table S2.3, the operator shall provide the Environment Agency with evidence that the waste analysis is less than 12 month old.</p> <p>Where the waste analysis is greater than 12 months old, unless agreed in writing by the Environment Agency, the operator must re-analyse the waste and submit the results to the Environment Agency to confirm that the waste will provide the benefits originally approved.</p> <p>Wastes listed in tables S2.3 that have not been analysed within the past 12 months shall not be used without the prior written agreement of the Environment Agency.</p>
2	<p>Install groundwater monitoring wells: MW-D015, MW-D017, MW-D009, MW-D010, MW-D011, MW-D012, MW-D013, MW-D014 in line with Appendix E of the Remediation Method Statement (document dated 20 January 2020). - COMPLETED</p>
3	<p>Propose compliance limits for the installed groundwater monitoring wells and obtain the Environment Agency's written approval to them. COMPLETED</p>
4	<p>Submit a risk assessment report and obtain the Environment Agency's written approval of proposed waste acceptance criteria for selenium, boron, chloride, sulphate, phenol and manganese, where these differ from those provided in the Remediation Method Statement (document dated 20 January 2020). COMPLETED</p>
5	<p>Submit and obtain the Environment Agency's written approval for revised design plans for DQRA zones 2 and 3, that raise the base of the landscape bund by 0.8 m, and designs for retrospective drainage measures to ensure that 0.5 m of unsaturated zone is provided long term as detailed in the Geotechnical Design Report for the Landscape Bund P4 (document dated 08 January 2020). COMPLETED</p>
6	<p>Submit a written report to the Environment Agency for technical assessment and approval detailing the final design for the retaining elements of the landscape bund and obtain the Environment Agency's written approval to the plan. COMPLETED</p>
7	<p>Provide a detailed management system for the excavation of the waste in the permitted landfill area to the Environment Agency for technical assessment and obtain the Environment Agency's written approval to the plan. This will need to show how excavated waste will be stored in an appropriate location, with appropriate containment.</p> <p>The overall management system will also need to show how it will prevent (or where that is not possible, minimise) odour and noise pollution.</p>
8	<p>Prior to the commencement of R10 activities referenced in Schedule 1, Table S1.1 the operator shall submit a benefit statement for approval by the Environment Agency. Where the operator only wishes to place waste material to a depth of less than or equal to 500mm then this pre-operational measure will not apply.</p>

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
-	-

Maximum quantity	The total quantity of waste to be accepted at the site shall not exceed 3,500,000 m ³ .
Waste code	Description
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing hazardous substances
17 05 04	soil and stones (excluding topsoil and peat)
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing hazardous substances.
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 03	stabilised/solidified wastes
19 03 04*	wastes marked as hazardous, partly stabilised other than 19 03 08
19 03 05	stabilised wastes other than those mentioned in 19 03 04 (stabilised waste produced from treatment of on-site wastes, sludges from treatment of urban waste water only)
19 03 06*	wastes marked as hazardous, solidified
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 08	wastes from waste water treatment plants not otherwise specified
19 08 05	sludges from treatment of urban waste water
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances (consisting of soils and stones only)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes containing non-hazardous substances consisting of soils and stones only.
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those containing dangerous substances

Table S2.2 Permitted waste types and quantities for use of waste in deposit for recovery (activities AR1 and AR4), storage of waste prior to deposit for recovery (activities AR2 and AR4), and treatment of wastes to reduce the moisture content of the waste deposited in the bund (activities AR3 and AR5).

Maximum quantity	The total quantity of waste to be accepted at the site shall not exceed 3,500,000 m ³ .
Waste code	Description
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 04	sludge from soil remediation

Table S2.3 Permitted waste types and quantities for use in land treatment (activity AR6)	
Maximum quantity	The total quantity of waste to be accepted at the site for covering and finishing of the bund shall not exceed 50,000 m³.
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 05	soils (excluding excavated soils from contaminated sites), stones and dredgings
17 05 04	soil and stones including chalk other than those mentioned in 17 05 03
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Schedule 3 – Emissions and monitoring

Table S3.1 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	Parameter	Limit (including unit) Note 1	Reference Period	Monitoring frequency	Monitoring standard or method
All available monitoring boreholes as detailed in RMS Appendix E and F	Groundwater level	No limit (m AOD).	Spot Sample	Monthly for minimum of 2 years	In accordance with; BS ISO 5667-11:2009, BS 6068-6.11:2009
Monitoring boreholes: MW-D015, MW-D017, MW-D009, MW-D010, MW-D011, MW-D012, MW-D013, MW-D014	Ammoniacal nitrogen	MW-D009 – 5.0 mg/l	Spot Sample	Quarterly for minimum of 2 years	
		All other boreholes – 0.9 mg/l			
All available monitoring boreholes as detailed in RMS Appendix E and F	Arsenic	MW-D013, MW-D014, – 0.065 mg/l			
		All other boreholes – 0.005 mg/l			
	Cadmium	0.002 mg/l			
	Chromium	0.01 mg/l			
	Copper	0.027 mg/l			
	Iron	MW-D009 – 1.1 mg/l			
		All other boreholes – 1 mg/l			
	Lead	0.005 mg/l			
	Mercury	0.0005 mg/l			
	Nickel	0.015 mg/l			
	Zinc	0.038 mg/l			
	Benzene	0.0005 mg/l			
	Toluene	0.074 mg/l			
	Ethylbenzene	0.15 mg/l			
	Xylene	0.03 mg/l			
	Naphthalene	0.002 mg/l			
	Fluoranthene	0.00005 mg/l			
	Benzo(a)pyrene	0.00017 mg/l			
	Selenium	0.010 mg/l			
	Boron	2 mg/l			
	Chloride	250 mg/l			
	Sulphate	MW-D010 – 264 mg/l			
		All other boreholes – 250 mg/l			
	Phenol	0.0077 mg/l			
	Manganese	MW-D009, MW-D010 – 5 mg/l			

		All other boreholes – 1.5 mg/l			
	pH, dissolved carbon, dissolved methane, dissolved oxygen, speciated PAH, speciated TPH, electrical conductivity, redox potential, temperature	No limits			
All available monitoring boreholes as detailed in RMS Appendix E and F	As other boreholes	No limits.	Spot Sample	Quarterly as available.	

Note 1 – Emission limits agreed as per Schedule 1 Table 1.3 pre operational condition 3 for substances detailed in Appendix I of the Remediation Method Statement.

Table S3.2 Ground gas - monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
All available monitoring boreholes as detailed in RMS Appendix E and F	Methane	Monthly	CIRIA C665	Record whether the ground is: waterlogged frozen snow covered
	Carbon dioxide			
	Oxygen			
	Atmospheric Pressure			
	Differential Pressure			
	Flow			

Table S3.3 Surface water – other monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
All monitoring locations as detailed in RMS Appendix E and F (SW1-SW8) and inflow and outflow of carrier drain as agreed under pre-operational condition 5.	Ammoniacal nitrogen, Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Mercury, Nickel, Zinc, Benzene, Toluene, Ethylbenzene, Xylene, Naphthalene, Fluoranthene, Benzo(a)pyrene, Selenium, Boron, Chloride, Sulphate, Phenol, Manganese, pH, dissolved carbon, dissolved methane, dissolved oxygen, speciated PAH, speciated TPH, electrical conductivity, redox potential, temperature, calcium, hardness, dissolved organic carbon	Quarterly	In accordance with; BS ISO 5667-11:2009, BS 6068-6.11:2009	

Schedule 4 – Reporting

Parameter	Reporting period	Period ends
Groundwater monitoring Parameters as required by schedule 3, table S3.2	Every 3 months	31 March, 30 June, 30 September, 31 December
Ground gas monitoring Parameters as required by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Other surface water monitoring Parameters as required by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December

Parameter	Units
Amount of waste deposited for recovery	m ³

Parameter	Frequency of assessment	Unit
Energy used	Annually	MWh of electricity or natural gas
Raw materials used	Annually	Tonnes
Water usage	Annually	m ³

Media/parameter	Reporting format	Date of form
Surface water	Form Water 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Groundwater	Form Groundwater 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Ground gas	Form Gas 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Water usage	Water Usage 1, or other form as agreed in writing by the Environment Agency	DD/MM/YY
Energy usage	Energy Usage 1, or other form as agreed in writing by the Environment Agency	DD/MM/YY
Other performance parameters (annual production and raw materials)	Performance 1, or other form as agreed in writing by the Environment Agency	DD/MM/YY
Topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	-

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any incident or accident which significantly affects or may significantly affect the environment	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	
Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

‘accident’ means an accident that may result in pollution.

‘Annex I’ means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

‘Annex II’ means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

‘application’ means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

‘authorised officer’ means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

‘Background concentration’ means such concentration of that substance as is present in:

- For emissions to surface water, the surface water quality up-gradient of the site; or
- For emissions to groundwater, the groundwater quality up-gradient of the site; or
- For emissions of ground gas, the ground or air outside the site and not attributable to the site.

‘Construction Proposals’ means written information, at a level of detail appropriate to the complexity and pollution risk, on the design, specifications of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the site or new phase of the site.

‘CQA Validation Report’ means the final ‘as built’ construction and engineering details of the area of the site for deposit or of the Site Infrastructure. It must provide a comprehensive record of the construction and must include, where relevant:

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- ‘As-built’ plans and sections of the works;
- Copies of the site engineer’s daily records;
- Records of any problems or non-compliances and the solution applied;
- Any other site specific information considered relevant to proving the integrity of the engineering of the site or new Phase of the site or Site Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

‘ecological improvement’ means providing, maintaining or improving the soils ability to provide a growing medium including for growth of vegetation on landscaping and for recreational and amenity uses.

‘emissions to land’ includes emissions to groundwater.

‘emissions of substances not controlled by emission limits’ means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

‘groundwater’ means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

'Hazardous waste' has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

'List of Wastes' means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

'inert waste' means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater.

'No impact' means that the change made to the construction process will not affect the agreed design criteria, specification or performance in a way that has a negative effect.

'quarter' means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

'R' means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

'Site infrastructure' means any specified element of the:

- permanent capping;
- surface water drainage systems;
- groundwater monitoring boreholes;
- ground gas monitoring boreholes;
- ground gas management systems;

within the site.

"Waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

'Waste Framework Directive' or 'WFD' means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

'year' means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table S2.1 and table S2.2 for those tables, they have the meaning given below:

"hazardous substance" means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

"Hazardous property" has the meaning in Annex III of the Waste Framework Directive.

"heavy metal" means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

"PCBs" means

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane

- any mixture containing any of the above mentioned substances in a total of more than 0.005% by weight.

“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances.

“stabilisation” means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste.

“solidification” means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste.

“partly stabilised wastes” means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

Schedule 7 – Site Plan



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