Maw Green Landfill Site

APPEAL PURSUANT TO REGULATION 31 OF THE ENVIROMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS 2016

REGARDING MAW GREEN SOIL TREATMENT FACILITY AT MAW GREEN LANDFILL SITE

ESSENTIAL SUPPORTING DOCUMENTS

PERMIT REFERENCE: EPR/BS7722ID/V010

ON BEHALF OF 3C WASTE LTD

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ESSENTIAL SUPPORTING DOCUMENTS

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DOCUMENT 1.1

EMAIL: EA TO APPELLANT'S AGENT - ENVIRONMENTAL PERMIT ISSUED, ATTACHING NOTICE OF VARIATION AND COVERING LETTER

Tom Roberts

From: Tom Roberts
Sent: 16 November 2023 10:38
To: Tom Roberts
Subject: FW: Environmental Permit EPR/BS7722ID/V010 issued
Attachments: Application Variation Issue Letter to Registered Office - 05102023.pdf; Application Variation Notice Issued - 05102023.pdf

Tom Roberts
My Pronouns Are He/Him
Trainee Solicitor
Planning
T:03450305652

From: IPS_admin <IPS_admin@environment-agency.gov.uk>
Sent: Friday, October 6, 2023 9:00 AM
To: Andy Stocks <AndyStocks@caulmert.com>
Cc: vicente.orts@fccenvironment.co.uk
Subject: FW: Environmental Permit EPR/BS7722ID/V010 issued

Dear Andy Stocks,

Please find the attached documents for the above recently issued permit.

Kind Regards,

Jack Smith
Permitting Support Advisor- Water Quality, National Permitting Service
Environment Agency | NPS Sheffield, Quadrant 2, 99 Parkway Avenue, Sheffield, S9 4WG
ips_admin@environment-agency.gov.uk
Tel: 02030251158

DOCUMENT 1.2
LETTER: EA TO APPELLANT - ISSUE OF AN ENVIRONMENT AGENCY INITIATED VARIATION

To the Director of:
3C Waste Limited
Steven Longdon
3 Sidings Court
White Rose Way
Doncaster
England
DN4 5NU

Our ref: EPR/BS7722ID/V010

Date: 05 October 2023

Dear Sir

Issue of an Environment Agency Initiated Variation of your permit

Permit reference: EPR/BS7722ID
Applicant: 3C Waste Limited
Facility: Maw Green Landfill Site

We've decided to vary your permit. We're satisfied that operations can continue in accordance with the variation without harm to the environment or human health.

The variation takes effect from 05/10/2023. I enclose a notice showing the changes we've made.

Please keep this in a safe place with your other permit records.

This letter contains web links to other documents. If you aren't able to access these phone our Customer Contact Centre for help on 03708 506 506.

If you're not familiar with our guidance on how to comply with your permit please look at the following guides:

www.gov.uk/guidance/develop-a-management-system-environmental-permits

www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit

www.gov.uk/guidance/legal-operator-and-competence-requirements-environmental-permits

Please look at the table below and note any of the information or actions that apply to your permit.

If…	then...
the variation means you're now carrying out a waste operation or activity and need to submit quarterly waste returns on waste movements **Note** This does not apply to permits that only have stand alone water discharge or groundwater activities.	you can get the forms you need from our website https://www.gov.uk/government/collections/national-operator-waste-returns If you do not have web access phone our Customer Contact Centre
you need to submit other returns	send these to your area office. Speak to your area officer to check local arrangements.
your variation has added an installation to your permit for the first time	we've enclosed the pollution inventory letter, notice and fact sheet

Rights of appeal

If you're not happy with any permit condition that has been imposed by the variation you may appeal to the Secretary of State. You must make your appeal no later than two months after the date of the notice.

Further information on making an appeal and the forms you will need are available from the Planning Inspectorate website.

You will need to provide the documents listed below to the Secretary of State at the Planning Inspectorate:

Environment Team, The Planning Inspectorate, 3A Eagle Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN

Email: ETC@planninginspectorate.gov.uk

Helpline: 0303 444 5000

The documents are:

- a statement of the grounds of appeal
- a copy of any relevant application
- a copy of any relevant environmental permit
- a copy of any relevant correspondence between the appellant and the regulator
- a copy of any decision or notice which is the subject matter of the appeal and
- a statement indicating whether you wish the appeal to be in the form of a hearing or dealt with by way of written representations.

At the same time you must send us a copy of the notice and documents to;

Centralised Services Team – Appeals, Environment Agency, National Permitting Service, Quadrant 2, Parkway Business Park, Sheffield, S9 4WF

Email : Appeals_NPS@environment-agency.gov.uk

You may withdraw an appeal by writing to the Secretary of State and sending a copy of that notification to us.

If you have any questions about this permit please phone our Customer Contact Centre on 03708 506 506. They will put you in touch with a local regulatory officer.

Yours sincerely

Eleanor Blackeby
Principal Permitting Team Leader

DOCUMENT 1.3
NOTICE OF VARIATION AND CONSOLIDATION WITH INTRODUCTORY NOTE, EPR/BS7722ID/V010

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

3C Waste Limited

Maw Green Landfill Site
Maw Green Road
Coppenhall
Crewe
Cheshire
CW1 5NG

Variation application number

EPR/BS7722ID/V010

Permit number

EPR/BS7722ID

Maw Green Landfill Site
Permit number EPR/BS7722ID

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.

The Environment Agency have varied this permit to correct errors in the issued permit and insert the relevant conditions, standards and limits for the sector.

Amendments include:

- Table S1.1 is amended to vary activity AR7 from a Section 5.3 Part A(1)(a)(ii) to a Section 5.3 Part A(1)(a)(vi) activity;
- Table S1.1 is amended to vary activity AR6 to include restrictions on the storage of hazardous waste;
- Table S1.1 is amended to include appropriate limits for the processing of asbestos impacted waste types;
- Add condition 2.4 to insert improvement condition;
- Amend error in condition 2.7.3;
- Condition 3.5.1 to add ambient air monitoring;
- Table S1.2 is amended to update operating techniques;
- Table S1.3 is amended to add improvement condition 5 for asbestos monitoring and sampling;
- Table S1.4 is amended to add preoperational condition 4 for asbestos processing enclosure and abatement;
- Table S2.4 is amended to vary waste types to add waste code 17 05 04 and add restrictions on waste types containing asbestos;
- Table S3.2 is amended to add emissions limits to the asbestos screener air extraction system;
- Table S3.14 has been added to include Ambient Air Monitoring requirements;
- Table S4.1 is amended to add ambient air monitoring reporting;
- Table S4.4 is amended to add reporting forms for Ambient Air and Air Monitoring;
- Site layout plan is amended to include the asbestos impacted waste treatment area.

The installation operates as follows.

This site undertakes the landfilling of non-hazardous wastes and will be subject to restoration.

In addition, there are a number of waste treatment activities within the boundary of the landfill. This includes a Soil Treatment Facility (STF) located within the boundary, this undertakes the sorting and separation of asbestos from contaminated soils along with biological treatment activities taking leachate and hazardous and non-hazardous wastes.

Screening of asbestos impacted soils will be enclosed and abated to minimise emissions from the process. The STF will accept and treat up to 50,000 tonnes per annum of hazardous waste (including the asbestos impacted soils). Once treated the wastes will be tested for suitability for use in the wider landfill restoration. Soils that do not meet the reuse criteria will be sent offsite for disposal.

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/BS7722ID/A001	09/10/2003	Received
Request for information	17/06/2004	Response received 19/07/2004
Request for information	23/06/2004	Response received 06/07/2004
Request for information	06/07/2004	Response received 20/07/2004
Request for information	25/08/2004	Response received 06/10/2004 and 11/10/2004
Request for information	30/12/2004	Response received 14/01/2005 and 27/01/2005
Permit determined EPR/BS7722ID	15/02/2005	
Variation notice UP3232LQ determined (EPR/BS7722ID/V002)	17/03/2005	
Application for Permit variation (EPR/BS7722ID/V003)	10/10/2007	Application received
Variation notice FP3931XK determined (EPR/BS7722ID/V003)	30/05/2008	
Environment Agency variation determined (EPR/BS7722ID/V005)	14/05/2013	Agency variation to implement changes introduced by IED
Environment Agency Landfill Sector Review Permit reviewed Variation notice determined EPR/BS7722ID/V006	15/02/2017	Permit varied and consolidated permit issued in the modern format
Application EPR/BS7722ID/V007	Duly made 11/07/2019	Application to vary Permit to include soil treatment facility and associated Activities on site.
Request for information in Schedule 5 Notice	23/08/2019	Response received 23/10/2019
Request for information in Schedule 5 Notice	22/11/2019	Responses received13/12/2019 and 10/01/2020
Request for information by email	20/01/2020	Response received 12/02/2020
Variation determined EPR/BS7722ID/V007	18/03/2020	Varied permit issued.
Application EPR/BS7722ID/V008 (variation and consolidation)	Duly made 27/09/2022	Application to vary and update the permit. Increasing the treatment capacity for hazardous soils at the Soil Treatment Facility. Operator registered office change of address incorporated as administrative change.
Variation determined and consolidation issued EPR/BS7722ID	25/01/2023	Varied and consolidated permit issued in modern format.

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/BS7722ID/V009 (variation and consolidation)	Duly Made 13/04/2023	Application to add an additional listed activity for the treatment and storage of soils contaminated with asbestos at the Soil Treatment Facility (STF), add associated waste codes and increase hazardous storage capacity at any one time.
Variation determination and consolidation issued EPR/BS7722ID	20/07/2023	Varied and consolidated permit issued.
Variation determined and consolidation issued EPR/BS7722ID/V010 Billing Reference BS7722ID	05/10/2023	Environment Agency initiated variation. Varied and consolidated permit issued.

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 has varied:

Permit number

EPR/BS7722ID

Issued to

3C Waste Limited ("the operator")

whose registered office is

3 Sidings Court
White Rose Way
Doncaster
DN4 5NU

company registration number 02632581

to operate a regulated facility at

Maw Green Landfill Site
Maw Green Road
Coppenhall
Crewe
Cheshire
CW1 5NG

to the extent set out in the schedules.

The notice shall take effect from 05/10/2023

Name	Date
Principal Permitting Team Leader	**05/10/2023**

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions were varied as a result of an Environment Agency initiated variation:

Conditions	Reason
Condition 2.4.1 and 2.4.2	Added as improvement condition inserted in table S1.3.
Condition 2.7.3	Amended to confirm condition applies to AR1 only.
Condition 3.5.1	Amended to add reference to ambient air monitoring.
Condition 2.6.8, 2.6.9, 2.6.10	Amended to update condition referencing.
Table S1.1 as referenced by condition 2.1.1	Amended to vary activity AR7 from a Section 5.3 Part A(1)(a)(ii) to a Section 5.3 Part A(1)(a)(vi) activity. Amended to vary activity AR6 to including restrictions on the storage of hazardous waste. Amended to include appropriate limits for the processing of asbestos impacted waste types.
Table S1.2 as referenced by condition 2.3.1	Amended to excluded references to mechanical screener which is not enclosed and remove operating techniques which contradict appropriate measures for the sector.
Table S1.3 as referenced by condition 2.4.1	Amended to add improvement condition 5 monitoring for asbestos monitoring and sampling.
Table S1.4 as referenced by condition 2.5.1	Amended to add preoperational condition 4 for asbestos processing enclosure and abatement.
Table S2.4 as referenced by condition 2.7.4	Amended to vary waste types to add waste code 17 05 04 and add restrictions on waste types containing asbestos.
Table S3.2 as referenced by condition 3.1.2	Amended to add emission limits to asbestos screener air extraction system.
Table S3.14 as referenced by condition 3.5.1	Added to include ambient air monitoring requirements.
Table S4.1 as referenced by condition 4.2.4	Amended to add ambient air monitoring reporting.
Table S4.4 as referenced by condition 4.2.3 and 4.2.4	Amended to add reporting forms for ambient air monitoring.
Schedule 7 – site layout plan	Amended to include the asbestos impacted waste treatment area.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BS7722ID

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BS7722ID/V010 authorising,

3C Waste Limited ("the operator"),

whose registered office is

3 Sidings Court
White Rose Way
Doncaster
DN4 5NU

company registration number 02632581

to operate an installation at

Maw Green Landfill Site
Maw Green Road
Coppenhall
Crewe
Cheshire
CW1 5NG

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

Name	Date
Principal Permitting Team Leader	**05/10/2023**

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 Finance

1.2.1 The financial provision for meeting the obligations under this permit shall be as set out in the Deed of Performance dated 17 October 2007 between the Waste Recycling Group Limited (now known as FCC Environment (UK) Limited) and the Environment Agency as varied by a Deed of Variation dated 15 October 2010 (as varied by further Deeds of Variation from time to time). The operator shall accordingly ensure that the Permit is and remains throughout its subsistence a Permit to which the Deed relates and the operator shall produce evidence of such provision whenever required by the Environment Agency.

1.2.2 The operator shall ensure that the charges it makes for the disposal of waste in the landfill cover all of the following:

(a) the costs of setting up and operating the landfill;

(b) the costs of the financial provision required by condition 1.2.1; and

(c) the estimated costs for the closure and aftercare of the landfill.

1.3 Energy efficiency

1.3.1 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) implement any appropriate measures identified by a review.

1.4 Efficient use of raw materials

1.4.1 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.

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

1.5.1 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

1.5.2 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 activities referenced in schedule 1, table S1.1 (AR3 to AR8 and AR16) 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 blue 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 S2.5 shall conform to the specifications set out in that table.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.5 Pre-operational conditions

2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

2.6 Landfill Engineering

2.6.1 No construction of any new cell of the landfill shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

2.6.2 Where the operator proposes to construct any new cell other than the first cell, but proposes no change from the design of the most recently approved cell which could have any impact on the performance of any element of the design, no construction of the new cell shall commence until the operator has submitted a cell layout drawing and the Environment Agency has confirmed that it is satisfied with the cell layout drawing.

2.6.3 The construction of a new cell 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.

2.6.4 No disposal of waste shall take place in a new cell until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.

2.6.5 No construction of landfill 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.

2.6.6 The construction of the landfill 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.

2.6.7 The operator shall submit a CQA Validation Report within four weeks of the completion of the construction of the relevant landfill infrastructure or other time period agreed in writing with the Environment Agency.

2.6.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.6.5 and 2.6.6 do not apply and the relevant landfill infrastructure may be constructed, provided that the construction proposals are submitted to the Environment Agency as soon as practicable.

2.6.9 For the purposes of conditions 2.6.1, 2.6.2, 2.6.4 and 2.6.5, 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 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.

2.6.10 Where the Environment Agency has required further information under condition 2.6.9(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.

2.7 Waste acceptance

2.7.1 For the following activities referenced in Schedule 1, Table S1.1 (AR1), wastes shall only be accepted for disposal if:

(a) they are listed in schedule 2, Table S2.1, and

(b) they are non-hazardous waste, and

(c) they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400 mm), and

(d) they are not shredded used tyres, and

(e) they are not liquid waste (including waste waters but excluding sludge), and

(f) they are not chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown, and

(g) all the relevant waste acceptance procedures have been completed, and

(h) they fulfil the relevant waste acceptance criteria, and

(i) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria, and

(j) they are wastes which have been treated, except for: inert wastes for which treatment is not technically feasible; or it is waste other than inert waste and treatment would not reduce its quantity or the hazards which it poses to human health or the environment, and

(k) they are wastes with a code beginning with 07 05 and 16 03, they shall exclude waste medicinal products and pharmaceutically active waste materials arising from their manufacture.

2.7.2 Wastes shall only be accepted for restoration where:

(a) they are listed in schedule 2, table S2.2 and

(b) they are accepted in accordance with a restoration plan approved in writing by the Environment Agency.

2.7.3 For the following activities referenced in Schedule 1, Table S1.1 (AR1) the operator shall:

(1) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and

(2) be satisfied that the waste conforms to the requirements of condition 2.6.1.

2.7.4 For the following activities referenced in schedule 1, Table S1.1 (AR3 – AR8 and AR16) waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2, Tables S2.3a and S2.3b and S2.4

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.7.5 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.

2.7.6 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.

2.7.7 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing reference 1351-01-08 Final Restoration Plan.

2.7.8 The quantity of waste that is deposited or recovered in the landfill in any year shall not exceed the limits in schedule 1 table S1.5.

2.7.9 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery and, where practicable, origin of any waste that is received for disposal or recovery and of the identity of the producer, or in the case of municipal waste and multiple collection vehicles, of the collector of such waste. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

2.7.10 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.

2.7.11 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:

(1) the nature of the process producing the waste;

(2) the composition of the waste;

(3) the handling requirements of the waste;

(4) the hazardous property associated with the waste, if applicable; and

(5) the waste code of the waste.

2.7.12 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.8 Leachate levels

2.8.1 The limits for the level of leachate listed in schedule 3 table S3.1 shall not be exceeded.

2.9 Closure and aftercare

2.9.1 The operator shall maintain a closure and aftercare management plan.

2.10 Landfill gas management

2.10.1 The operator shall take appropriate measures, including, but not limited to, those specified in any approved landfill gas management plan, to:

(a) collect landfill gas; and

(b) control the migration of landfill gas.

2.10.2 The operator shall use the collected landfill gas to produce energy. If the collected landfill gas cannot be used to produce energy, the operator shall use appropriate measures to flare or treat the gas in accordance with an approved landfill gas management plan.

2.10.3 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a revised landfill gas management plan;

(b) implement the revised landfill gas management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 The limits in Schedule 3 shall not be exceeded.

3.1.2 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.2, S3.3 and S3.4.

3.1.3 The limits given in Table S3.2 shall not be exceeded, save that compliance with an emission limit in that table shall include incorporation of the uncertainty allowance stated in Environment Agency guidance LFTGN 05 and LFTGN 08.

3.1.4 The operator shall prevent the input of any hazardous substances from the activities into groundwater.

3.1.5 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 years after the fourth anniversary of the granting of the permit.

3.1.6 For the following activities referenced in schedule 1, table S1.1 (AR3 to AR8 and AR16) periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on systematic appraisal of the risk of contamination.

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.

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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 and any other actions specified in the following tables in schedule 3 to this permit:

(a) Leachate specified in tables S3.1 and S3.11;

(b) Point source emissions specified in tables S3.2, S3.3 and S3.4;

(c) Groundwater specified in tables S3.5 and S3.9;

(d) Landfill gas specified in tables S3.6, S3.8 and S3.10;

(e) Surface water specified in table S3.12;

(f) Particulate matter specified in table S3.7;

(g) Ambient air monitoring specified in table S3.14.

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 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:

(a) annually, and

(b) prior to the disposal of waste in any new cell or new development area of the landfill, and

(c) following closure of the landfill or part of the landfill.

3.5.5 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 to S3.13 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution hazard or annoyance from pests;

(b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.7.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;

(b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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) the results of groundwater monitoring;

(ii) sub-surface landfill gas monitoring;

(iii) leachate levels, quality and quantities;

(iv) landfill gas generation and collection;

(v) waste types and quantities;

(vi) the specification and as built drawings of the basal, sidewall and capping engineering systems.

for the following activities referenced in schedule 1, table S1.1 (AR3 to AR8 and AR16):

(vii) off-site environmental effects; and

(viii) matters which affect the condition of the land and groundwater.

4.1.2 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 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 For the following activities referenced in schedule 1, Table S1.1 (AR1 and AR2), a report or reports on the performance of the activities over the previous year ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency, with the exception of 4.2.2(c) that must be provided by the end of February each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;

(b) the energy consumed at the site, reported in the format set out in schedule 4 table S4.3;

(c) the annual production/treatment set out in schedule 4 table S4.2;

(d) the topographical surveys required by condition 3.5.3 other than those submitted as part of a CQA validation report;

(e) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;

(f) an assessment of the settlement behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;

(g) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey;

(h) a plan(s) ('the monitoring and extraction point plan – MEPP') showing the locations of existing and any new leachate and landfill gas extraction and all monitoring points.

4.2.3 For the following activities referenced in schedule 1, table S1.1 (AR3 to AR8 and A16) a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31st January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;

(b) the annual production/treatment data set out in schedule 4 table S4.2; and

(c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.4 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) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.5 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.

4.2.6 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

(a) 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—

(i) inform the Environment Agency,

(ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and

(iii) take the measures necessary to prevent further possible incidents or accidents.

(b) in the event of a breach of any permit condition the operator must immediately—

(i) inform the Environment Agency, and

(ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

(c) 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.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 For the following activities referenced in schedule 1, table S1.1 (AR3 to AR8 and AR16) 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.

4.3.4 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.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 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.

4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

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	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
AR1	D5 –Specially engineered landfill; R5 - the recycling or reclamation of inorganic material and R10 – Land treatment resulting in benefit to agriculture or ecology	Section 5.2 Part A(1) (a), The disposal of waste in a landfill.	Landfill for non-hazardous waste and landfill restoration.	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.7, as an integral part of landfilling.
AR2	D8 – Biological treatment of waste	Section 5.4, Part A(1)(a)(i), Biological treatment of non-hazardous waste.	Treatment of leachate in a facility with a capacity of >50 tonnes/day.	Leachate arising from the landfill.
AR3	D8 – Biological treatment of waste and R5 - the recycling or reclamation of inorganic material	Section 5.3 Part A(1)(a)(ii)	Bioremediation process for hazardous waste.	A maximum treatment capacity of 38,000 tonnes at any one time. Hazardous waste types and quantities as specified in table S2.3b.
AR4	D8 – Biological treatment of waste and R5 - the recycling or reclamation of inorganic material	Section 5.4 Part A(1)(b)(i), Biological treatment of non-hazardous waste.	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.	A maximum treatment capacity of 38,000 tonnes at any one time. Non-hazardous waste types and quantities as specified in table S2.3b.

Table S1.1 activities				
AR5	D8 – Biological treatment of waste and R5 - the recycling or reclamation of inorganic material	Section 5.3 Part A(1)(a)(ii)	Screening to remove oversize material.	A maximum treatment capacity of 38,000 tonnes at any one time. Hazardous waste types and quantities as specified in table S2.3a.
AR6	R13 - Storage of waste pending any of the operations numbered R1 to R12	Section 5.6 Part A(1)(a)	Temporary storage of hazardous waste.	A maximum of 38,000 tonnes at any one time on site for wastes due to undergo treatment as per Activities AR3, AR4, AR5 or AR7. All storage shall take place on an impermeable surface with a sealed drainage system. No more than 38,000 tonnes of hazardous waste shall be stored in aggregate. No more than 150 tonnes of hazardous asbestos impacted wastes for activity AR7 shall be stored at any time. Soil impacted with asbestos shall be stored inside a building in a way that minimises asbestos fibre emissions such as spraying and sheeting. Hazardous waste types and quantities as specified in table S2.3a, S2.3b and S2.4.

AR7	R5 - the recycling or reclamation of inorganic material	Section 5.3 Part A(1)(a)(vi) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	Recovery of soils impacted with identifiable pieces of bonded asbestos cement by separation.	From treatment of soils impacted with identifiable pieces of bonded asbestos cement, by handpicking of asbestos cement only, or by 3-way screener into oversize, medium size and silt-sized fractions prior to handpicking of asbestos cement from the medium fraction, to storage of recovered soils and separated bonded asbestos cement. Screening and handpicking shall take place in a building on an impermeable surface with a sealed drainage system. The screener shall be enclosed. Handpicking shall take place in a dedicated enclosed picking line. No more than 100 tonnes per day of soils impacted with identifiable pieces of bonded asbestos cement shall be treated (in aggregate). The screening and handpicking of asbestos impacted wastes shall not increase the asbestos fibre load in the waste. Storage of screened waste not impacted with asbestos shall be stored outside in bays or in a building. Screened soil impacted with asbestos shall be stored inside a building in a way that minimises asbestos fibre emissions such as spraying and sheeting. Separated bonded asbestos fragments shall be bagged whilst handpicking is in progress. Once handpicked asbestos shall be stored double bagged in sealed, closed and locked containers. Treated waste shall be stored for no longer than 6 months prior to transfer off-site or to the landfill as cover. No more than 10 tonnes of picked asbestos shall be stored on site. No more than 1000 tonnes of treated soils shall be stored on site. Non-hazardous treated soils shall be kept separate from hazardous soils. Waste types (soil wastes only) and quantities as specified in schedule 2, table S2.4.

Table S1.1 activities				
AR8	R5 - the recycling or reclamation of inorganic material	Section 5.4 Part A (1)(a)(ii) Physico-chemical treatment of non-hazardous waste with a capacity exceeding 50 tonnes per day.	Screening of non-hazardous waste to remove oversized material for recovery.	Non-hazardous waste following treatment on site by Activity AR4. Non-hazardous waste types and quantities as specified in table S2.3b.
Directly Associated Activities				
AR9	R1 – use principally as a fuel to generate energy		Pre-treatment and utilisation of landfill gas for energy recovery in an appliance with a rated thermal input < 50MW.	Treatment and utilisation of landfill gas arising from the landfill.
AR10	N/A		Temporary storage of waste (leachate).	Leachate arising from the landfill.
AR11	N/A		Flaring of landfill gas for disposal in an appliance.	Landfill gas arising from the landfill.
AR12	D6 – release to water body except seas/ oceans		Discharges of site drainage from the landfill.	From surface water management system to point of entry to controlled waters.
AR13	N/A		Fuel Storage.	Storage of diesel for use in mobile plant at Soil Treatment Facility.
AR14	N/A		Water Storage.	Collection and storage of process water.
AR15	N/A		Pipework between the leachate treatment plant and public sewerage system.	From the point of discharge from the leachate treatment plant to the point where the pipework leaves the land under the control of the operator.
AR16	R13 – Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)		Storage of waste.	Temporary storage of non-hazardous waste prior to treatment on site.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The response to questions 1.2, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Form, excluding the following sections: 2.2.4 to 2.2.6, 2.3.32, 2.3.33, 2.3.34, 2.3.35, 2.3.39, 2.3.43, 2.3.50 to 2.3.54, 2.3.68, 2.3.69, 2.3.71, 2.3.72 and 2.3.78	09/10/2003
SLR letter and supporting documents regarding requests for information dated 17/06/2004.	All Parts	19/07/2004
SLR letter and supporting documents regarding requests for information dated 06/07/2004.	All Parts	20/07/2004
SLR letter and supporting documents regarding requests for information dated 25/08/2004.	All Parts	11/10/2004
SLR e-mail and supporting documents regarding revised waste list.	All Parts	14/01/2005
SLR e-mail and supporting documents All parts 14/01/2005 and 27/01/2005 regarding requests for information dated 30/12/2004.	All Parts	28/02/2006
Correspondence dated 27/02/2006 re: 27/02/2006 re: Improvement condition 1.4.1.1	All Parts	28/02/2006
Correspondence dated 03/04/2006 re: Improvement condition 1.4.1.2	All Parts	03/04/2006
Correspondence dated 01/03/2006 re: Improvement condition 1.4.1.3	All Parts	06/03/2006
Correspondence dated 15/02/2006, (ref: 404- 0197-00178) re: Improvement condition 1.4.1.5	All Parts	16/02/2006
Correspondence dated 02/2006 (ref 404-0197-00178), CQA plan for downstream monitoring wells)	All Parts	02/2006
Correspondence dated 06/04/2006 (ref:402.0197.00423) re: Improvement condition 1.4.1.7	All Parts	12/04/2006
Correspondence dated 13/04/2006 (ref: 404.0197.00178) Re: improvement condition 1.4.1.9	All Parts	18/04/2006
Correspondence dated 15/03/2005 (ref: 4D-197-178) re improvement condition 1.4.1.12	All Parts	21/05/2005

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Correspondence 'Maw Green Leachate Extraction Review' re improvement condition 1.4.1.13	All parts	06/2006
Revised monitoring location plan (drawing no. ESID 14, dated August 2007)	All parts	22/01/2008
Monitoring reduction letter Ref ALM/MG/EAL53	All Parts	22/01/2014
FCC letter ref MG/LC2.2AR/ 20140829	All Parts	29/08/2014
FCC Document E mail from FCC 29 Jan 2016Attached updated tables for Doc ref: ALM/MG/EAL53	All Parts	29/01/2015
Landfill Restoration Plan (referenced report 10228-R07 and dated May 2017)	All Parts	15/05/2017
Application	Application Forms (All Parts) ESID Amendment Site Condition Report (referenced 3695-CAU-XX-XX-RP-V-0305.A0-C2 and dated March 2019) Soil Treatment Facility Amenity and Accident Plan (referenced 3695-CAU-XX-XX-RP-V-0302.A0-C2 and dated March 2019)	01/04/2019
Response to Schedule 5 Notice (1) dated 23/08/2019	Soil Treatment Facility Dust Management Plan (reference 3695-CAU-XX-XX-RP-V-0307-A0-C1 and dated October 2019) Soil Treatment Facility Operating Techniques (reference 3695-CAU-XX-XX-RP-V-0303 and dated October 2019) Response includes clarification on area drainage, clarification on waste codes and biofilter/air quality monitoring details.	02/10/2019
Response to Schedule 5 Notice (2) follow up request dated 22/11/2019 and 02/01/2020	STC Soil Characterisation Procedure (referenced WI-003) and dated 26/11/2019) Response includes further detail on waste code acceptance, biofilter and air quality monitoring.	13/12/2019
	Soil Treatment Facility Odour Management Plan (reference 3695-CAU-XX-XX-RP-V-0308-	10/01/2020

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
	A0-C3 OMP Combined and dated December 2019)	
Response to request for more information dated 20/01/2020	Drawings Leachate Pipeline Route (ref. 3695-CAU-XX-XX-DR-V-1802 P1) and Proposed Layout Plan (ref. 3695-CAU-XX-XX-DR-V-1801 P3) detailing sewer connections to site and proposed monitoring locations respectively.	12/02/2020
Response to Improvement Condition 4	H1 Assessment (referenced 5193-CAU-XX-XX-RP-V-0308.A0.C1 Final and dated November 2021)	08/11/2021
Application	Application Forms (All Parts) Updated Supporting Document (reference 5193-CAU-XX-XX-RP-V-0300.A0.C1 and dated December 2021) Updated Amenity and Accident Plan (reference 5193-CAU-XX-XX-RP-V-0301-A0.C1 and dated December 2021) Addendum to ESID Report (referenced 5193-CAU-XX-XX-RP-V-0302-A0.C1 and dated December 2021) Updated Operating Techniques Document (referenced 5193-CAU-XX-XX-RP-V-0306.A0.C1 and dated December 2021) Updated BAT Review (referenced 5193-CAU-XX-XX-RP-V-0307.A0.C1 and dated December 2021)	15/12/2021
Application EPR/BS7722ID/V009	Documents received in response to Section 3a of form Part C3: Treatment process & BAT review - reference 10012023, excluding all references to mechanical screener that is not enclosed. • Dust & Emissions Management Plan (Document Ref: 5193-CAU-XX-XX-RP-V-0313.A0.C1), excluding all references to mechanical screener that is not enclosed. • Environmental Setting and Installation Design (ESID) - Addendum 2022 (Document Ref: 5193-CAU-XX-XX-RP-V-0309.A0.C1), excluding all reference to mechanical screener that is not enclosed. Amenity & Accidents Risk Assessment (Document Ref: 5193-CAU-XX-XX-RP-	10/01/2023

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
	V-0310.A0.C1), excluding all references to mechanical screener that is not enclosed. Activities & Operating Techniques Report (Document Ref: 5193-CAU-XX-XX-RP-V-0311.A0.C1), excluding all references to mechanical screener that is not enclosed	
Description - Chemical waste: appropriate measures for permitted facilities Version published 18 November 2020	Parts: All parts of the appropriate measures guidance shall apply.	05/10/2023

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
4	(b) The operator shall submit to the Environment Agency in writing for approval, a report detailing monthly chemical analysis monitoring results of collected waters from the Soil Treatment Facility (STF) at the point of discharge from the STF. The report should contain details of comparison of results from the chemical analysis to existing discharge consent limits and the Environment Agency's H1 Guidance.	Complete
5	The operator shall provide a report on the monitoring undertaken as part of the sampling of the incoming waste and the separated wastes streams, from the operation of the asbestos screening process over 4 months of operation, for approval by the Environment Agency. The sampling report shall: • detail the method(s) used to sample and analyse the treated waste streams for asbestos fibres; • demonstrate a high percentile level of confidence in the treatment process taking account of the amount of waste treated per batch and the number of samples required to adequately sample each waste stream, both initially and on an ongoing basis; • demonstrate that additional asbestos fibre contamination is not being created by the screening process. • recommend any additional measures to be undertaken to ensure compliance with the permit conditions. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the plan. The operator shall implement the additional measures as approved, and from the date stipulated by, the Environment Agency.	08/04/2024

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational Measures**
1	Deposit of wastes in any area of the Permitted installation where waste deposit commences after the issue of the permit	As part of any construction proposals required by condition 2.5.1 the operator shall include a design for leachate collection infrastructure, which includes details of the leachate collection layer, drainage pipework, collection systems and drilling targets.
2	Deposit of waste over previously completed areas of phase 1	A leachate drainage layer shall be incorporated into the design of the internal slope between phase 1 and future phases. The design specification of this layer shall be approved in accordance with condition 2.5.1.
3	Engineering of any new cell	As part of any construction proposals required by condition 2.5.1, the operator shall submit a report investigating the existence of sand horizons beneath the cell base. The report shall detail the thickness of any encountered sand horizon, the presence of groundwater including the piezometric head and shall also include an assessment into the possibility of basal heave and any necessary preventative action required for the cell, together with any required amendments to CQA procedures for engineering at the site. If in the preparation of the report, extra intrusive site investigation is undertaken, the report shall contain all relevant borehole logs and descriptions.
4	Operation of the mechanical screener for treatment of asbestos impacted wastes	Prior to the use of the mechanical screener for the pre-screening of asbestos contaminated soils under activity reference AR7 a report shall be submitted for written approval detailing the following aspects: • Evidence to demonstrate that the mechanical screener is fully enclosed and all dust emissions from the screening operation are directed to an active abatement system with a HEPA filter or other suitable design. • Details of the proposed commissioning, operational and maintenance procedures associated with the mechanical screener and active abatement system to be implemented on site. • Details of monitoring checks, audits and emergency procedures to be implemented on site to ensure both the mechanical screener and active abatement system are fully operational and working as designed. No mechanical pre-screening of asbestos contaminated soils under activity reference AR3A shall commence unless the Environment Agency has given prior approval under this condition.

Table S1.5 Annual waste input limits	
Category	**Limit Tonnes/ Year**
Non-hazardous waste	450,000
Inert waste	450,000
Waste for restoration	75,000

Schedule 2 – List of permitted wastes

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 01	**wastes from mineral excavation**
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	**wastes from physical and chemical processing of metalliferous minerals**
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 10
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 10	dusty and powdery wastes other than those mentioned in 01 04 07
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	**drilling muds and other drilling wastes**
01 05 04	freshwater drilling muds and wastes
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 05	**wastes from the dairy products industry**
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06	**wastes from the baking and confectionery industry**
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 06 03	sludges from on-site effluent treatment
02 07	**wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 01	**wastes from wood processing and the production of panels and furniture**
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 01	waste bark and wood
03 03 02	green liquor sludge (from recovery of cooking liquor)
03 03 05	de-inking sludges from paper recycling

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 09	lime mud waste
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	**Wastes from the leather, fur and textile industries**
04 01	**wastes from the leather and fur industry**
04 01 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	**wastes from the textile industry**
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (for example grease, wax)
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 01 17	bitumen
05 06	**wastes from the pyrolytic treatment of coal**
05 06 04	waste from cooling columns
05 07	**wastes from natural gas purification and transportation**
05 07 02	wastes containing sulphur
06	**Wastes from inorganic chemical processes**
06 03	**wastes from the MFSU of salts and their solutions and metallic oxides**
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 05	**sludges from on-site effluent treatment**

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 06	**wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes**
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 09	**wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes**
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	**wastes from the manufacture of inorganic pigments and opacificiers**
06 11 01	calcium-based reaction wastes from titanium dioxide production
06 13	**wastes from inorganic chemical processes not otherwise specified**
06 13 03	carbon black
07	**Wastes from organic chemical processes**
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 17	waste containing silicones other than those mentioned in 07 02 16
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	**wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 14	solid wastes other than those mentioned in 07 05 13
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
08	**Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks**
08 01	**wastes from MFSU and removal of paint and varnish**
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 02	**wastes from MFSU of other coatings (including ceramic materials)**
08 02 01	waste coating powders
08 02 02	aqueous sludges containing ceramic materials
08 03	**wastes from MFSU of printing inks**
08 03 07	aqueous sludges containing ink
08 03 13	waste ink other than those mentioned in 08 03 12
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 18	waste printing toner other than those mentioned in 08 03 17
08 04	**wastes from MFSU of adhesives and sealants (including water proofing products)**
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
09	**Wastes from the photographic industry**
09 01	**wastes from the photographic industry**
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	**Wastes from thermal processes**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 02	**wastes from the iron and steel industry**
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	**wastes from aluminium thermal metallurgy**
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	**wastes from lead thermal metallurgy**
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	**wastes from zinc thermal metallurgy**
10 05 01	slags from primary and secondary production
10 05 04	other particulates and dust
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	**wastes from copper thermal metallurgy**
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 04	other particulates and dust
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 04	particulates and dust
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	**wastes from casting of ferrous pieces**
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	**wastes from casting of non-ferrous pieces**
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	**wastes from manufacture of glass and glass products**
10 11 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy**
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)**
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	**wastes from non-ferrous hydrometallurgical processes**
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	**wastes from hot galvanising processes**
11 05 01	hard zinc
11 05 02	zinc ash
12	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	**Wastes not otherwise specified in the list**
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 03	end-of-life tyres
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
16 03	**off-specification batches and unused products**
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 08	**spent catalysts**
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
16 11	**waste linings and refractories**
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	**wood, glass and plastic**
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	**metals (including their alloys)**
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	**insulation materials and asbestos-containing construction materials**
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 09	**other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	**Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)**
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
18 02	**wastes from research, diagnosis, treatment or prevention of disease involving animals**
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06	chemicals other than those mentioned in 18 02 05
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 01	**wastes from incineration or pyrolysis of waste**
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 03	**stabilised/solidified wastes**
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 07	solidified wastes other than those mentioned in 19 03 06
19 04	**vitrified waste and wastes from vitrification**
19 04 01	vitrified waste
19 05	**wastes from aerobic treatment of solid wastes**
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
19 05 03	off-specification compost
19 06	**wastes from anaerobic treatment of waste**
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 10	**wastes from shredding of metal-containing wastes**
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 11	**wastes from oil regeneration**
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 02	**garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
20 03	**other municipal wastes**
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning
20 03 07	bulky waste

Table S2.2 Permitted waste types for restoration	
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
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
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 03	wastes from pulp, paper and cardboard production and processing
03 03 05	de-inking sludges from paper recycling
03 03 09	lime mud waste
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 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
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 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost
19 08	wastes from waste water treatment plants not otherwise specified
19 08 05	sludges from treatment of urban waste water
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 02	sludges from water clarification
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	minerals (for example sand, stones)
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 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

Table S2.3a Permitted waste types for Physico-Chemical Treatment (Activity A5 in Table S1.1) at Soil Treatment Facility	
Maximum Quantity	**Annual throughput shall not exceed 50,000 tonnes for activities AR3, AR4, AR5, AR6, AR7, AR8, AR16**
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 09	waste sand and clays
01 05	**Drilling muds and other wastes**
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing hazardous substances
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 05*	oil spills
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**
13 05	**Oil/water separator contents**
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
17	**Construction and demolitions wastes (including excavated soil from contaminated sites)**
17 02	**Wood, glass and plastic**
17 02 01	wood
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 other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing hazardous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing hazardous substances
17 05 08	track ballast other than those mentioned in 17 05 07
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 02	**Wastes from physico/chemical treatment treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 05*	sludges from physico/chemical treatment containing hazardous substances – wastes suitable for biological treatment only
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05 – wastes suitable for biological treatment only
19 05	**wastes from aerobic treatment of solid wastes**

Table S2.3a Permitted waste types for Physico-Chemical Treatment (Activity A5 in Table S1.1) at Soil Treatment Facility	
Maximum Quantity	**Annual throughput shall not exceed 50,000 tonnes for activities AR3, AR4, AR5, AR6, AR7, AR8, AR16**
Waste code	**Description**
19 05 03	off-specification compost
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 02	waste from desanding
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 07	wood other than those mentioned in 19 12 06
19 13	**Wastes from soil and groundwater remediation**
19 13 01*	solid wastes from soil remediation containing hazardous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**Separately collected fractions (except 15 01)**
20 01 38	wood other than that mentioned in 20 01 37
20 02	**Garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	**Other municipal wastes**
20 03 03	street cleaning residues

Table S2.3b Permitted waste types for Biological Treatment (Activity A3/A4 in Table S1.1) at Soil Treatment Facility	
Maximum Quantity	**Annual throughput shall not exceed 50,000 tonnes for activities AR3, AR4, AR5, AR6, AR7, AR8, AR16**
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 09	waste sand and clays
01 05	**Drilling muds and other wastes**
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing hazardous substances
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 05*	oil spills
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**
13 05	**Oil/water separator contents**
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
17	**Construction and demolitions wastes (including excavated soil from contaminated sites)**
17 02	**Wood, glass and plastic**
17 02 01	wood
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 other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing hazardous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing hazardous substances
17 05 08	track ballast other than those mentioned in 17 05 07
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 02	**Wastes from physico/chemical treatment treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 05*	sludges from physico/chemical treatment containing hazardous substances – wastes suitable for biological treatment only
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05 – wastes suitable for biological treatment only
19 05	**wastes from aerobic treatment of solid wastes**

Table S2.3b Permitted waste types for Biological Treatment (Activity A3/A4 in Table S1.1) at Soil Treatment Facility	
Maximum Quantity	**Annual throughput shall not exceed 50,000 tonnes for activities AR3, AR4, AR5, AR6, AR7, AR8, AR16**
Waste code	**Description**
19 05 03	off-specification compost
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 02	waste from desanding
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 07	wood other than those mentioned in 19 12 06
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
19 13	**Wastes from soil and groundwater remediation**
19 13 01*	solid wastes from soil remediation containing hazardous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**Separately collected fractions (except 15 01)**
20 01 38	wood other than that mentioned in 20 01 37
20 02	**Garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 03	**Other municipal wastes**
20 03 03	street cleaning residues

Table S2.4 Permitted waste types and quantities for screening and handpicking, and storage of soils impacted with bonded asbestos cement (AR6, AR7)	
Maximum quantity	**Annual throughput shall not exceed 50,000 tonnes for activities AR3, AR4, AR5, AR6, AR7, AR8, AR16**
Waste code	**Description**
Exclusions	**Wastes having any of the following characteristics shall not be accepted:** **Asbestos in unbound fibrous form (free chrysotile fibrous asbestos in the soil must be <0.1% w/w. Other forms or mixed forms of fibrous asbestos in the soil must be <0.01% w/w.)**
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITE**
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 03* and 17 06 05*	soil and stones containing hazardous substances which are impacted with identifiable pieces of bonded asbestos (any particle of a size that can be identified as potentially being asbestos by a competent person, if examined by the naked eye)
17 05 04 and 17 06 05*	soil and stones other than those mentioned in 17 05 03 which are impacted with identifiable pieces of bonded asbestos (any particle of a size that can be identified as potentially being asbestos by a competent person, if examined by the naked eye)

Table S2.5 Raw materials and fuels	
Raw materials and fuel description	**Specification**
NPK fertilizers	50 tonnes storage maximum at any one time

Schedule 3 – Emissions and monitoring

Table S3.1 Leachate level limits and monitoring requirements			
Monitoring point reference/Description	**Limit**	**Monitoring frequency**	**Monitoring method**
Phase 1: Two leachate monitoring points in addition to the collection sump for each hydraulically separate cell unless otherwise agreed in writing with the Agency.	3 m above cell base	Monthly	In accordance with Environment Agency document LFTGN02 (February 2003) 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water' or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Phase 2: Two leachate monitoring points in addition to the collection sump for each hydraulically separate cell unless otherwise agreed in writing with the Agency.	6 m above cell base		

Table S3.2 Point source emissions to air – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (including unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
Engines 1-5 Landfill gas engine on Plan ESID4	Oxides of Nitrogen	Gas utilisation plant	650 mg/m^3	Hourly mean	Annually	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	CO		1500 mg/m^3			
	Total VOCs		1750 mg/m^3			
A1: Flare on plan 116-1-3026/A dated 27/02/2006	Oxides of Nitrogen	Landfill Gas Flares	150 mg/m^3	Hourly mean	Annually	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency. Monitoring is unnecessary where the flare is active for <10% of the year.
	CO		50 mg/m^3			
	Total VOCs		10 mg/m^3			

Table S3.2 Point source emissions to air – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (including unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
Biofilter Monitoring Point as shown on plan 3695-CAU-XX-XX-DR-V-1801	Ammonia	Biofilter at Soil Treatment Facility	20 mg/m^3	Hourly mean	Every six months	As agreed in writing with the Environment Agency.
	TVOCs		40 mg/m^3			
	Hydrogen Sulphide		No Limit			
Asbestos screener emissions point (to be confirmed by pre-operational condition PO7)	Asbestos fibres	Air extraction system stack	0.1 fibre/ml	Hourly average	Monthly (Note 1, Note 2)	ISO 10397: 1993
	Particulate matter		5 mg/m^3	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months (Note 2)	BS EN 13284-1
Note 1: May be reduced to a quarterly frequency after 12 monthly monitoring events with the written agreement of the Environment Agency. Note 2: To the extent possible, the measurements shall be carried out at the highest expected emission state under normal operating conditions.						

Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (incl unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
W1 On Plan ESID14 dated	Suspended Solids	Site drainage from the site surface water drainage system	75 mg/l	Spot Sample	Monthly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent
	Oil or grease		No visible discharge	Spot Sample	Monthly	
	pH		>6 and <9	Spot Sample	Monthly	

Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (incl unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
August 2007	Volume		750 m^3/day	24 hours	Monthly	guidance as may be agreed in writing with the Environment Agency
	Flow rate		20 l/s	Instantaneous	Monthly	
	Conductivity		No limit set	Spot Sample	Monthly	
	Ammoniacal Nitrogen		No limit set	Spot Sample	Monthly	
	Chloride		No limit set	Spot Sample	Monthly	
	DO		No limit set	Spot Sample	Monthly	
	Sulphate		No limit set	Spot Sample	Quarterly	
	Alkalinity (as $CaCO_{3)}$		No limit set	Spot Sample	Quarterly	
	COD		No limit set	Spot Sample	Quarterly	
	TON		No limit set	Spot Sample	Quarterly	
	Na		No limit set	Spot Sample	Quarterly	
	K		No limit set	Spot Sample	Quarterly	
	Ca		No limit set	Spot Sample	Quarterly	
	Mg		No limit set	Spot Sample	Quarterly	
	Cr		No limit set	Spot Sample	Quarterly	

Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (incl unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
	Cd		No limit set	Spot Sample	Quarterly	
	Mn		No limit set	Spot Sample	Quarterly	
	Fe		No limit set	Spot Sample	Quarterly	
	Cu		No limit set	Spot Sample	Quarterly	
	Ni		No limit set	Spot Sample	Quarterly	
	Zn		No limit set	Spot Sample	Quarterly	
	Pb		No limit set	Spot Sample	Quarterly	
	Hg		No limit set	Spot Sample	Quarterly	
	List 1 substances identified in leachate, unless otherwise agreed in writing with the Environment Agency		No limit set	Spot Sample	Annually	

Table S3.4 Point source emissions to sewer, effluent treatment plant or by tankering or other transfer off-site – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (including unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
Treated Process Water Monitoring Point as shown on Plan 3695-CAU-XX-XX-DR-V-1801	No parameters	Soil Treatment Facility	No limits	-	-	As agreed in writing with the Environment Agency

Table S3.5 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
GW5.01 as detailed on drawing number 124E232 dated February 2013	Ammoniacal Nitrogen	1.41 mg/l[1]	Spot Sample	Monthly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency
	Chloride	225 mg/l[1]		Monthly	
	Mecoprop	0.04 µg/l[1]		Quarterly	
	Xylene	3.0 µg/l[1]		Quarterly	
	Trichlorobenzene	0.01 µg/l[1]		Quarterly	
GW08 as detailed on drawing number 124E232 dated February 2013	Ammoniacal Nitrogen	1.80 mg/l		Monthly	
	Chloride	410 mg/l		Monthly	
	Mecoprop	0.04 µg/l		Quarterly	
	Xylene	3.0 µg/l		Quarterly	
	Trichlorobenzene	0.01 µg/l		Quarterly	
1. Unless otherwise agreed in writing by the Environment Agency					

Table S3.6 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Limit (including units)**	**Monitoring frequency**	**Monitoring standard or method**
BH1, BH2, BH5-BH18, BH22-BH35 as detailed on drawing no. 124E232 dated February 2013	Methane	1% v/v	Monthly	As per LFTGN03 (Sept 2004) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: waterlogged frozen snow covered
	Carbon Dioxide	1.5% v/v		
	Oxygen	No limit		
	Atmospheric pressure	No limit		
	Differential Pressure	No limit		
BH3, BH3.01, BH3.02, BH4.00, BH4.01 as detailed on drawing no. 124E232 dated February 2013	Methane	1% v/v		
	Carbon Dioxide	2% v/v		
	Oxygen	No limit		
	Atmospheric pressure	No limit		
	Differential Pressure	No limit		
BH4.02 as detailed on drawing no. 124E232 dated February 2013	Methane	1% v/v		
	Carbon Dioxide	11.5% v/v		
	Oxygen	No limit		
	Atmospheric pressure	No limit		
	Differential Pressure	No limit		
BH36, BH37, BH38.1, BH39.1, BH40.1, BH41-BH44 as detailed on drawing no. 124E232 dated February 2013	Methane	1% v/v		
	Oxygen	No limit		
	Atmospheric pressure	No limit		
	Differential Pressure	No limit		
BH36 and BH37	Carbon Dioxide	1.5% v/v		
BH38.1	Carbon Dioxide	2.6% v/v		
BH39.1	Carbon Dioxide	5.5% v/v		

Table S3.6 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Limit (including units)**	**Monitoring frequency**	**Monitoring standard or method**
BH40.1	Carbon Dioxide	3.3% v/v	Monthly	As per LFTGN03 (Sept 2004) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: waterlogged frozen snow covered
BH41	Carbon Dioxide	3.0% v/v		
BH42	Carbon Dioxide	2.7% v/v		
BH43	Carbon Dioxide	2.2% v/v		
BH44	Carbon Dioxide	2.3% v/v		

Table S3.7 Particulate matter in ambient air - monitoring requirements					
Monitoring Point Ref. /Description	**Parameter**	**Limit**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
Dust monitoring points as detailed on drawing no.ESID14, dated August 2007	Deposited dust	200 mg/m^2/day	24 hours	Monthly	
	Suspended particulate PM10	None set	In accordance with correspondence ref: 402.0197.00423 dated 06/04/2006	In accordance with correspondence ref: 402.0197.00423 dated 06/04/2006	

Table S3.8 Landfill gas emissions from capped surfaces for cells that have accepted non-hazardous biodegradable waste – monitoring requirements			
Monitoring point Ref. /description	**Parameter**	**Monitoring frequency**	**Monitoring Standard or method**
Permanently capped zone	Methane concentration	Every 12 months	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.8 Landfill gas emissions from capped surfaces for cells that have accepted non-hazardous biodegradable waste – monitoring requirements			
Monitoring point Ref. /description	**Parameter**	**Monitoring frequency**	**Monitoring Standard or method**
Temporarily capped zone	Methane concentration	Every 12 months	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Whole site	Total methane emission	As agreed with the Environment Agency	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Uncapped areas	Methane concentration	Every 12 months	As agreed with the Environment Agency based on the wording of revised LFTGN 07 or landfill sector guidance or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.9 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Up gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances	Annually for first six years of operation	
Down or cross gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency After the initial 6 year monitoring period for hazardous substances, if the results of quarterly or annual monitoring suggest an increase in contamination, the operator shall also undertake a full leachate hazardous substances screen.
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances detected in leachate	Annually for first six years of operation then every two years	
MEPP	Base of monitoring point (mAoD)	Annually	

Table S3.10 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
In waste gas monitoring boreholes or sealed leachate wells or sacrificial gas extraction system	Methane Carbon Dioxide Oxygen Carbon Monoxide Differential pressure Atmospheric pressure	Monthly until gas extraction commences	Calibrated handheld monitoring instrument	For cells or phases which have no active gas extraction. Gas extraction system shall be installed and extraction commenced once monitoring shows onset of methane production in waste at a rate that can be sustainably extracted. Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring.
	Hydrogen sulphide	Quarterly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (V3, March 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	For cells or phases which have no active gas extraction. Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring. Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans

Table S3.10 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Gas collection system at well control valve, manifolds (if applicable) and strategic points on gas system	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Gas flow rate or suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Monthly or at such other frequency as may be agreed in writing with the Environment Agency.	Calibrated handheld monitoring instrument	Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken. Where the concentration of carbon monoxide exceeds 100ppm then further investigation shall be undertake Record the ambient air temperature and whether the ground is: waterlogged frozen snow covered
Gas collection system at well control valve	Hydrogen sulphide	Six monthly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (v3, March 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans

Table S3.10 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Output to flare or LFG Utilisation Compound	Trace gas	Annually	Trace gas analysis in accordance with LFTGN04 (v3, March 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency [or a trace gas characterisation method agreed with the Environment Agency].	The concentration of trace gas components shall be assessed against the assumptions made in the Landfill gas risk assessment and dispersion modelling.
Output to flare or LFG Utilisation Compound	Methane Carbon Dioxide Oxygen Gas flow rate Suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Weekly		Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken.

Table S3.10 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Flare 1 shown on Plan 3026/A dated 27/02/2006	Temperature	As per LFTGN05 (v2, March 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency.	
Gas engines 1-5, post turbo	NOx and CO	Quarterly	In accordance with Appendix C of LFTGN08, (v2, 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	Where monitoring using hand-held, electrochemical equipment indicates an exceedance of the emissions standards specified in Table S3.2, these shall be used as action levels and the operator shall investigate the cause and take appropriate measures to reduce emissions.

Table S3.11 Leachate – other monitoring requirements				
Monitoring point reference or description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Operational Cells or Phases **(Any cell or phases that do not have a final engineered cap agreed in accordance with condition 2.6)**			At leachate compliance point as listed in table S3.1.	
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency	None
MEPP	Hazardous substances	Annually		None
MEPP	Depth to base (mAoD)	Annually		None
Non Operational Cells or Phases **(Any cell or phases that have a final engineered cap agreed in accordance with condition 2.6)**				
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese	Annually		
MEPP	Hazardous substances	Once every four years		None
MEPP	Depth to base (mAoD)	Annually		

Table S3.12 Surface water – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
MEPP	Ammoniacal nitrogen Chloride Suspended Solids Visual Oil and Grease pH electrical conductivity	Monthly	Spot sample	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency

Table S3.13 Process monitoring requirements				
Monitoring Point	**Substance or parameter**	**Monitoring frequency**	**Monitoring method**	**Other specifications**
Biofilter Monitoring Point as shown on Plan 3695-CAU-XX-XX-DR-V-1801	Moisture content, flow rate, nutrient levels, contaminant elimination	As required	As required	Biofilter should be checked and maintained to ensure appropriate temperature and moisture content on a daily basis. Monitoring equipment shall be available on-site and used as required.

Table S3.14 Ambient air monitoring requirements					
Location or description of point of measurement	**Parameter**	**Limit**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Outside air testing when asbestos contaminated soils are being received, handled and moved within the site (points to be confirmed by pre-operational condition PO7)	Asbestos fibres	0.01 fibres/ml. Where total fibre concentration exceeds 0.01 fibres/ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of asbestos fibres present.	During receipt, handling and movement of asbestos contaminated soil within the site. 1 hour at 8 l/min or other agreed period in writing.	In line with M17 monitoring guidance. While asbestos contaminated soils are being received, handled and moved within the site. • Pumped sampling • 1 m above ground level • Flow rate = 8 litres/minute • Minimum sample volume = 480 litres • Filter pore size = 0.8-1.2 µm • Asbestos fibre limit of detection = 0.001 fibres/ml.	-

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data		
Parameter	**Reporting period**	**Period ends**
Leachate and/ or groundwater level As specified by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Point source emission to air As specified by schedule 3, table S3.2	Every 12 months	31 December
Point source emission to water (other than sewer) As specified by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Point source emission to sewer As specified by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December
Emission to groundwater As specified by schedule 3, table S3.5	Every 3 months	31 March, 30 June, 30 September, 31 December
Landfill gas in external monitoring boreholes As specified by schedule 3, table S3.6	Every 3 months	31 March, 30 June, 30 September, 31 December
Particulate matter in ambient air. As required by schedule 3, table S3.7	Every 6 months	30 June, 31 December
Emission of landfill gas from capped surfaces As specified by schedule 3, table S3.8	Every 12 months	31 December
Other groundwater monitoring As specified by schedule 3, table S3.9	Every 3 months	31 March, 30 June, 30 September, 31 December
Other Landfill gas monitoring As specified by schedule 3, table S3.10	Every 3 months	31 March, 30 June, 30 September, 31 December
Trace gas monitoring	Every 12 months	31 December
Other leachate monitoring As specified by schedule 3, table S3.11	Every 12 months	31 December
Other surface water monitoring As specified by schedule 3, table S3.12	Every 12 months	31 December

Table S4.1 Reporting of monitoring data		
Parameter	**Reporting period**	**Period ends**
Process monitoring requirements As specified by Schedule 3, table S3.13	As agreed with the Environment Agency	31 December
Meteorological data Landfill Directive, annex III, section 2	Every 12 months	31 December
Ambient air monitoring Parameters as required by condition 3.5.	Every 12 months	31 December

* - where the reporting period is 12 months, you may submit this information as part of the 'annual report' required by condition 4.2.2.

Table S4.2 Annual production/treatment	
Leachate: Disposed of off site; Disposed of to any onsite effluent treatment plant; Recirculated into the waste mass. Accepted from offsite for treatment at any onsite effluent treatment plant.	Cubic metres/year
Landfill gas: combustion in flares; combustion in gas engines; Other methods of gas utilisation. Average methane content entering the landfill gas utilisation or treatment compound (based on the annual average of Table S3.9 monitoring) Methane generation rate (50%ile from a representative model)	Normalised cubic metres/year % methane v/v m3 /hr

Table S4.3 Performance Parameters			
Parameter	**Frequency of assessment**	**Annual total**	**Unit**
Energy used (including for leachate treatment)	Annually		MWh of electricity or natural gas

Table S4.4 Reporting Forms		
Media/parameter	**Reporting Format**	**Date of Form**
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	02/02/17
Air	Form Air 1 or other reporting format to be agreed in writing with the Environment Agency	Version 1, 08/03/2021
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	02/02/17
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	02/02/17
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	02/02/17
Particulate matter	Form Particulate 1 or other reporting format to be agreed in writing with the Environment Agency	02/02/17
Waste Return	Waste Return Form RATS2E	02/02/17
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	02/02/17
Ambient air monitoring	Ambient Air Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

This page outlines 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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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 supplied 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.

“annually” means once every year.

“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 sewer, the surface water quality up-gradient of the sewage treatment works discharge; or
- For emissions of landfill gas, the ground or air outside the site and not attributable to the site.

(3) “Cell layout drawing” means: A drawing or drawings of the proposed new cell that illustrate(s) in sufficient detail:

(i) the location of the new cell on the site;

(ii) the proposed level (Above Ordnance Datum) of the base of the excavation;

(iii) the proposed finished levels of all containment and leachate drainage layers;

(iv) the positions of leachate management infrastructure; and

(v) the positions of landfill gas infrastructure (if appropriate).

(4) A detailed written explanation of any minor design changes from the most recently approved cell that result from the new cell layout. This would include, for example:

(i) changes to slope length and gradient within the cell;

(ii) new leachate or landfill gas infrastructure construction design;

(iii) slope stability issues such as new basal excavation level; and/or

(iv) depth of waste.

“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 New Cell or Landfill Infrastructure.

“CQA Validation Report” means the final “as built” construction and engineering details of the New Cell or of the Landfill 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 New Cell or Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

“emissions to land” includes emissions to groundwater.

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

“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.

“exceeded” means that a value is above a permitted limit, or where a range of values or a minimum value is set as a permitted limit it means a value outside that range or below the minimum value, whichever is applicable.

‘Hazardous property’ has the meaning in Annex lll of the Waste Framework Directive.

“Hazardous substances” as defined by the Environmental Permitting (England and Wales) Regulations 2010, SI 2010 No.675, schedule 22 and listed in our Hydrogeological risk assessment guidance, annex J to our H1 risk assessment guidance.

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

“Landfill Infrastructure” means any specified element of the:

- permanent capping;
- temporary capping (i.e. engineered temporary caps not cover materials);
- leachate abstraction systems;
- leachate transfer, treatment and storage systems;
- surface water drainage systems;
- leachate monitoring wells;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;
- landfill gas management systems;
- lining within the installation.

within the site.

“Liquids” means any liquid other than leachate within the engineered landfill containment system.

“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.

“LFTGN 05” means Environment Agency Guidance for monitoring enclosed landfill gas flares.

“LFTGN 07” means Environment Agency Guidance on monitoring landfill gas surface emissions.

“LFTGN 08” means Environment Agency Guidance for monitoring landfill gas engines.

“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.

"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.

“Medicinal product” means any medicine licensed by the Medicines and Healthcare products Regulatory Agency (MHRA) or their predecessors under the Medicines Act 1968, section 130.

“MEPP” Monitoring and extraction point plan, required by condition 4.2.2(h) to specify extraction points and routine monitoring locations.

“M2” means Environment Agency Guidance Monitoring of stack emissions to air.

“New Cell” means any new cell, part of a cell or other similar new area of the site where waste deposit is to commence after issue of this permit and can comprise:

- groundwater under-drainage system;
- permanent geophysical leak location system;
- leak detection layer;
- sub-grade;
- barriers;
- liners;
- leachate collection system;
- leachate abstraction system;
- separation bund/layer;
- cell or area surface water drainage system;
- side wall subgrade and containment systems;

for the New Cell.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“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.

“Pests” means Birds, Vermin and Insects.

“Previous year” means the 12 month period preceding the month the annual report is submitted in.

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

“Relevant waste acceptance procedures” means the procedure for the acceptance of waste at landfills and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

“Relevant waste acceptance criteria” means the waste acceptance criteria and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

“Review of the Hydrogeological Risk Assessment” means a written review of the hydrogeological risk assessment included in the Application, together with any other parts of the Application that addressed the requirements of the EP Regulations. The review shall assess whether the activities of disposal or tipping for the purpose of disposal of waste authorised by the permit continue to meet the requirements of the EP Regulations.

‘Sustainably extracted’ means where suction can be applied to the extraction wells such that a flow rate of landfill gas, with a methane content capable of either being combusted, or treated by bio-oxidation, can be extracted without increasing the risk of air ingress to the waste or inducing aerobic degradation within the waste.

‘Waste code’ - See ‘List of Wastes’.

“WFD” means Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste [and repealing certain Directives] – the Waste Framework Directive.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means the standards included in Environment Agency Guidance for Monitoring Enclosed Landfill Gas Flares LFTGN 05 or Guidance for Monitoring Landfill Gas Engine Emissions LFTGN 08.

Where the following terms appear in the waste code list in Tables S2.1 or S2.2 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;

‘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;

‘polychlorinated biphenyls and polychlorinated terphenyls’ (‘PCBs’) means PCBs as defined in Article 2(a) of Council Directive 96/59/EC’.
Article 2(a) says that ‘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 boundary plan

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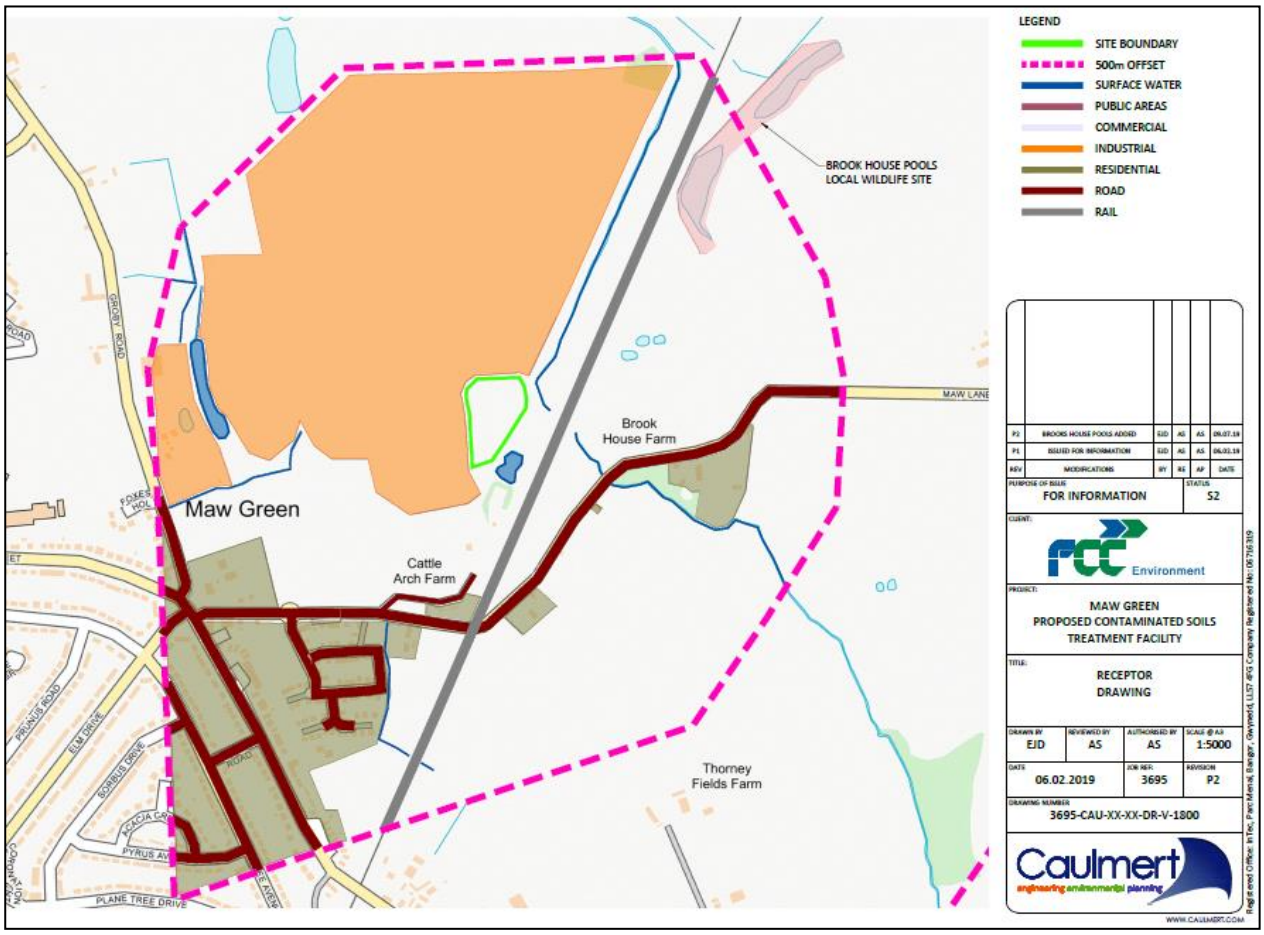
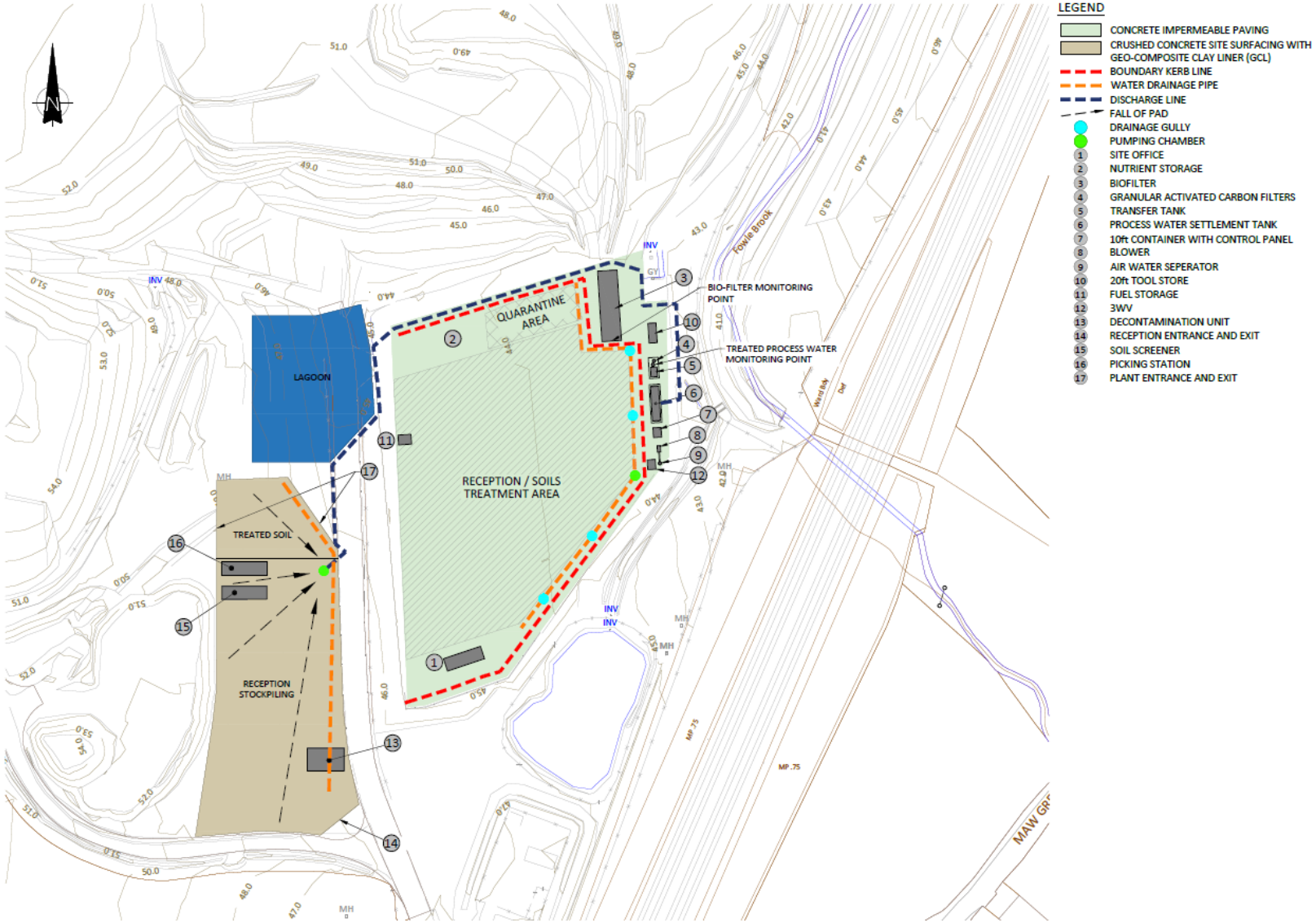


Site layout plan



END OF PERMIT

Ambient Air Monitoring Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Ambient Air Monitoring Form: version 1, 08/03/2021

Reporting of monitoring ambient air for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Monitoring point	Substance / parameter	Compliance limit	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
[e.g. P1]	*[e.g. PM_{10} suspended particulate matter]*	*[e.g. 50 µg/m^3]*	*[24 hour average]*	*[e.g. BS EN 12341:2014]*	*[State result]*	*[State relevant dates and time periods]*	*[State uncertainty if not 95% confidence interval]*

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.

Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Emissions to Air Reporting Form

Permit number: *[EPR/AB1234CB]* **Operator:** *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]* **Emissions to Air Reporting Form: version 1, 08/03/2021**

Reporting of emissions to air for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
[e.g. A1]	*[e.g. Oxides of nitrogen (NO and NO_2 expressed as NO_2)]*	*[e.g. 200 mg/m^3]*	*[e.g. daily average]*	*[e.g. BS EN 14181]*	*[State result]*	*[State relevant dates and time periods]*	*[State uncertainty if not 95% confidence interval]*

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
[4] Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

DOCUMENT 1.4
EMAIL: APPELLANT'S CONSULTANT TO EA – REQUEST FOR DECISION DOCUMENT

Tom Roberts

From: Andy Stocks <AndyStocks@caulmert.com>
Sent: 10 October 2023 10:43
To: IPS_admin
Subject: RE: Environmental Permit EPR/BS7722ID/V010 issued

Morning Jack

Could you please provide the decision document relating to this Variation.

Thanks

Andy

Andy Stocks	Caulmert Limited
Director of Environment	Mobile: 07818 623158
AndyStocks@caulmert.com	Direct: 01773 305 041
www.caulmert.com	Phone: 01773 749132

Nottingham Office • Strelley Hall, Main Street • Strelley, Nottingham • NG8 6PE • United Kingdom

From: IPS_admin <IPS_admin@environment-agency.gov.uk>
Sent: Friday, October 6, 2023 9:00 AM
To: Andy Stocks <AndyStocks@caulmert.com>
Cc: vicente.orts@fccenvironment.co.uk
Subject: FW: Environmental Permit EPR/BS7722ID/V010 issued

Dear Andy Stocks,

Please find the attached documents for the above recently issued permit.

Kind Regards,

Jack Smith
Permitting Support Advisor- Water Quality, National Permitting Service
Environment Agency | NPS Sheffield, Quadrant 2, 99 Parkway Avenue, Sheffield, S9 4WG
ips_admin@environment-agency.gov.uk
Tel: 02030251158

DOCUMENT 1.5
EMAIL: EA TO APPELLANT'S CONSULTANT – DECISION DOCUMENT

Tom Roberts

From: IPS_admin <IPS_admin@environment-agency.gov.uk>
Sent: 10 October 2023 11:02
To: Andy Stocks
Subject: RE: Environmental Permit EPR/BS7722ID/V010 issued
Attachments: Application Variation Decision Document - 05102023.pdf

Dear Andy,

Please find the Decision Document for permit EPR/BS7722ID/V010 attached to this email.

Kind regards,

Jack Smith
Permitting Support Advisor- Water Quality, National Permitting Service
Environment Agency | NPS Sheffield, Quadrant 2, 99 Parkway Avenue, Sheffield, S9 4WG
ips_admin@environment-agency.gov.uk
Tel: 02030251158

From: Andy Stocks <AndyStocks@caulmert.com>
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To: IPS_admin <IPS_admin@environment-agency.gov.uk>
Subject: RE: Environmental Permit EPR/BS7722ID/V010 issued

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Could you please provide the decision document relating to this Variation.

Thanks

Andy

Andy Stocks	Caulmert Limited
Director of Environment	Mobile: 07818 623158
AndyStocks@caulmert.com	Direct: 01773 305 041
www.caulmert.com	Phone: 01773 749132

Nottingham Office • Strelley Hall, Main Street • Strelley, Nottingham • NG8 6PE • United Kingdom

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Sent: Friday, October 6, 2023 9:00 AM
To: Andy Stocks <AndyStocks@caulmert.com>
Cc: vicente.orts@fccenvironment.co.uk
Subject: FW: Environmental Permit EPR/BS7722ID/V010 issued

Dear Andy Stocks,

Please find the attached documents for the above recently issued permit.

Kind Regards,

Jack Smith
Permitting Support Advisor- Water Quality, National Permitting Service
Environment Agency | NPS Sheffield, Quadrant 2, 99 Parkway Avenue, Sheffield, S9 4WG
ips_admin@environment-agency.gov.uk
Tel: 02030251158

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DOCUMENT 1.6
DECISION DOCUMENT – ENVIRONMENT AGENCY INITIATED VARIATION, EPR/BS7722ID/V010

Permitting Decisions- Environment Agency Initiated Variation

We have decided to issue an Environment Agency initiated variation for Maw Green Landfill Site operated by 3C Waste Limited.

The variation number is EPR/BS7722ID/V010.

The variation is for the amendment of permit conditions and limits to reflect appropriate standards for the operation of onsite activities involving the treatment of asbestos impacted soils.

The variation corrects activity types, waste types, storage and processing restrictions, emissions points, limits and monitoring requirements and the site layout plan.

The screening and handpicking activities are permitted subject to approval by the Environment Agency ("Agency") via improvement condition (IC 5) and Pre-Operational Condition (PO4). This is to demonstrate appropriate measures are being applied, including monitoring of the effectiveness of removal by the treatment processes and adequate enclosure and abatement controls are used during the screening operation to prevent and minimise emissions of asbestos fibres.

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure that the appropriate level of environmental protection is provided.

Purpose of this document

This decision document provides a record of the decision making process. It:

- explains how the Environment Agency initiated variation has been determined;
- summarises the decision making process in the decision considerations section to show how the main relevant factors have been taken into account;
- highlights key issues in the determination.

Read the permitting decisions in conjunction with the environmental permit and the variation notice.

Key issues of the decision

Environment Agency initiated variation

We recently issued a permit variation (EPR/BS7722ID/V009). On ensuring consistency of standards across the sector for the treatment of asbestos impacted soils, it has been determined that the permit variation (EPR/BS7722ID/V009) was issued incorrectly. The correct standards expected for the sector were not applied in the operating techniques, outlined in the application or implemented through the permit conditions.

We have therefore varied and updated the permit to include the relevant conditions, exclude specific operating techniques and insert appropriate limits for those activities which involve the treatment of soil impacted with asbestos. This is to ensure the operation reflects appropriate standards for the sector.

Key aspects which led to this decision

The mechanical screening process proposed by the operator may agitate the asbestos containing waste and result in the generation of asbestos fibres. We consider that to carry out this process effectively without endangering human health or without negatively impacting the environment, the screener must be fully enclosed and the air within the enclosure (potentially contaminated with asbestos fibres) must be treated via an abatement system prior to release. It is also a requirement of our Chemical Waste appropriate measures guidance (Nov 2020) to minimise fugitive emissions to air. Treatment of the air to remove particulates and asbestos fibres is typically done using a High Efficiency Particulate Air (“HEPA”) filter. HEPA filters are a commonly available technique to control asbestos fibre emissions and are used at other sites as part of best available techniques (BAT) for emissions control. We have therefore included a Pre-Operational Condition on the screening operation (PO4 in table S1.4) for the operator to demonstrate they have fully enclosed the mechanical screener and that all air is being suitably treated prior to operation of the screener.

In addition, we have also included an Improvement Condition (IC5 in table S1.3). This requires the operator to provide a report on the monitoring undertaken as part of the sampling of the incoming waste and the separated wastes streams, from the operation of the asbestos screening process over 4 months of operation. The intention is to require the operator to demonstrate that the mechanical screening process is working as intended in separating the bonded asbestos waste fraction in the hand-pickable stream, that the asbestos screening itself is not creating additional asbestos fibre contamination, and that the residual waste streams are suitably low in asbestos contamination to allow reuse without endangering human health or without harming the environment.

We have also included a restriction in the permit table S1.1 so that soils impacted with asbestos are stored inside a building in such a way that minimises emissions, such as using water sprays to dampen waste and sheeting of stockpiles, to prevent fugitive emissions.

The operator's proposals for handpicking included an enclosed picking station where operatives in personal protective equipment handpick bonded asbestos fragments from the segregated soil fraction. Spray rails for damping down would be used on the input conveyers to the picking station to suppress dust and asbestos fibres. This process is considered to meet our appropriate measures.

The handpicked bonded asbestos fragments are then appropriately double bagged and transferred to sealed, lockable containers, generally a skip, for onward disposal to landfill. This is in accordance with our appropriate measures for handling asbestos waste for transfer and disposal.

Decision Considerations

Confidential information

A claim for commercial or industrial confidentiality has not been made.

The decision was taken in accordance with our guidance on confidentiality.

Identifying confidential information

We have not identified information provided as part of the application that we consider to be confidential.

The decision was taken in accordance with our guidance on confidentiality.

The regulated facility

We considered the extent and nature of the facility at the site in accordance with:

- RGN2 'Understanding the meaning of regulated facility'.
- Appendix 2 of RGN2 'Defining the scope of the installation'.
- Appendix 1 of RGN 2 'Interpretation of Schedule 1'.

The existing site comprises of a:

- Landfill for non-hazardous waste.
- Waste installation storage and treatment activities.
  And
- Waste operations.

This variation amends an activity from a Section 5.3 Part A(1)(a)(ii) to a Section 5.3 Part A(1)(a)(vi) activity.

The extent of the facility is defined in the site plan and in the permit. The activities are defined in table S1.1 of the permit.

Nature conservation, landscape, heritage and protected species and habitat designations

We have checked the location of the application to assess if it is within the screening distances, we consider relevant for impacts on nature conservation, landscape, heritage and protected species and habitat designations. The application is within our screening distances for these designations.

We have assessed the application and its potential to affect sites of nature conservation, landscape, heritage and protected species and habitat designations identified in the nature conservation screening report as part of the permitting process.

We consider that the application will not affect any site of nature conservation, landscape and heritage, and/or protected species or habitats identified.

We have not consulted Natural England

The decision was taken in accordance with our guidance.

Operating techniques

The operating techniques that the applicant must use are specified in S1.2 in the environmental permit. This includes adding a requirement to comply with the standards of our chemical waste: appropriate measures guidance.

Changes to the permit conditions

We have varied the permit as stated in the variation notice. This is to allow the treatment of asbestos impacted soils via pre-screening and hand picking, in accordance with Chemical Waste Appropriate Measures Guidance as set out in the key issues section. As well as the conditions/requirements set out in the sections below, our variation includes the necessary changes to make the permit enforceable, such as including European Waste Codes (“EWC”) for the asbestos wastes, monitoring, reporting and other consequential amendments. A full list of changed conditions is set out in the variation notice.

Improvement programme

We have included an Improvement Programme. This is covered in the Key Issues section.

Emission limits

Emission Limit Values (“ELV's”) based on Best Available Techniques (“BAT”), have been added for the following substances:

- Particulate matter (dust) = 5 mg/m3 (BAT-AEL requirement)
- Asbestos fibres = 0.1 f/ml (Environment Agency requirement)

We made these decisions in accordance with Chemical Waste Appropriate Measures and the Waste Treatment Best Available Techniques Conclusions (“BATCs”).

Monitoring

We have decided that monitoring should be added for the following parameters, using the methods detailed and to the frequencies specified:

- Particulate matter (dust) = 6 monthly (BAT-AEL requirement).
- Asbestos fibres = monthly, with the possibility to fall to quarterly with our written agreement (Environment Agency requirement).

Methods as specified in table S3.2 of the permit.

These monitoring requirements have been included in order to check compliance with the emission limits stated above.

We made these decisions in accordance with Chemical Waste Appropriate Measures and the Waste Treatment Best Available Techniques Conclusions (“BATCs”).

Based on the information in the application we are not satisfied that the operator’s techniques, personnel and equipment have either Monitoring Emissions to Air, Land and Water (“MCERTS certification”) or MCERTS accreditation as appropriate.

We have applied the requirements and expect the operator to meet MCERTS standards as appropriate.

Reporting

We have added reporting in the permit for the following parameters:

- Particulate matter (dust)
- Asbestos fibres

These are included under the requirement to report the requirements of the monitoring under tables S3.2 and S3.14.

We made these decisions in accordance with Chemical Waste Appropriate Measures and the Waste Treatment Best Available Techniques Conclusions.

Growth Duty

We have considered our duty to have regard to the desirability of promoting economic growth set out in section 108(1) of the Deregulation Act 2015 and the guidance issued under section 100 of that Act in deciding whether to grant the variation of this permit.

Paragraph 1.3 of the guidance says:

“The primary role of regulators, in delivering regulation, is to achieve the regulatory outcomes for which they are responsible. For a number of regulators, these regulatory outcomes include an explicit reference to development or growth. The growth duty establishes economic growth as a factor that all specified regulators should have regard to, alongside the delivery of the protections set out in the relevant legislation.”

We have addressed the legislative requirements and environmental standards to be set for this operation in the body of the decision document above. The guidance is clear at paragraph 1.5 that the growth duty does not legitimise non-compliance and its purpose is not to achieve or pursue economic growth at the expense of necessary protections.

We consider the requirements and standards we have set in this permit are reasonable and necessary to avoid a risk of an unacceptable level of pollution. This also promotes growth amongst legitimate operators because the standards applied to the operator are consistent across businesses in this sector and have been set to achieve the required legislative standards.

DOCUMENT 2.1
EMAIL: APPLICATION SUBMITTED TO ENVIRONMENT AGENCY

Andy Stocks

From: Samantha Hayden
Sent: 10 January 2023 11:29
To: PSC Land
Cc: Jon Owens; kellie-marie.burston@fccenvironment.co.uk; Andy Stocks
Subject: Permit Variation Application - Maw Green Landfill Soils Treatment Facility - EPR/BS7722ID
Attachments: 5193-CAU-XX-XX-CO-V-9101.A0.C1 Submission Letter.pdf; Part A.pdf; Part B3.pdf; Part C2.pdf; Part F1.pdf; 5193-CAU-XX-XX-RP-V-0309.A0.C1 ESID final.pdf; 5193-CAU-XX-XX-RP-V-0310.A0.C1 ARA final.pdf; 5193-CAU-XX-XX-RP-V-0311.A0.C1 Op Tech final.pdf

Good morning,

On behalf of 3C Waste Limited, please find attached a permit variation application for Maw Green Landfill - Soils Treatment Facility.

Attached to this email are the following application documents:

- Submission cover letter
- Application forms Part A, B3, C2 and F1
- Environmental Setting & Installation Design – Addendum
- Amenity & Accidents Risk Assessment
- Activities & Operating Techniques Report

Due to their large file sizes, please find the following documents by clicking on the secure links below:

- Supporting Document: https://acrobat.adobe.com/link/track?uri=urn:aaid:scds:US:4ffc249e-72ef-3f34-aa45-ce085c9c6b86
- Treatment Process Description & BAT Review: https://acrobat.adobe.com/link/track?uri=urn:aaid:scds:US:56363069-138a-3ec9-8586-fe15e4eb9607
- Dust & Emissions Management Plan: https://acrobat.adobe.com/link/track?uri=urn:aaid:scds:US:63952d56-b974-3a98-809a-9b9dde8c49fb

A BACs transfer for the total application fee of **£18,021** has been made to the Environment Agency using payment ref. **PSCAPPMAWG5193**.

If you have any questions regarding this application, please do not hesitate to contact me.

Kind regards,
Samantha Hayden

Caulmert
engineering environmental planning

Samantha Hayden | Caulmert Limited
Environmental Consultant
Mobile: 07960 410 776
samanthahayden@caulmert.com
Telephone: 01773 305 047
www.caulmert.com

Nottingham Office • Strelley Hall • Main Street, Strelley, Nottingham • NG8 6PE • United Kingdom

DOCUMENT 2.2

LETTER: APPELLANT'S AGENT TO EA - ENVIRONMENTAL PERMIT VARIATION APPLICATION – MAW GREEN

Strelley Hall, Main Street, Strelley, Nottingham, NG8 6PE
Tel: 01773 749 132
Email: andystocks@caulmert.com
Web: www.caulmert.com

The Environment Agency
Permitting Support Centre
Quadrant 2
99 Parkway Avenue
Parkway Business Park
Sheffield
S9 4WF

Our ref: 5193-CAU-XX-XX-CO-V-9101.A0.C1

Date: Tuesday, 10 January 2023

By e-mail

Dear Sir/Madam,

Re: Environmental Permit Variation Application – Maw Green

On behalf of our client, 3C Waste Limited (a wholly owned subsidiary of FCC Environment (UK) Limited), please find attached a permit variation application to vary the existing Maw Green Landfill Permit ref. EPR/BS7722ID, to add a Section 5.3A(1)(a)(ii) activity. This is to include for the treatment of hazardous soils containing asbestos in a new area at the existing Soils Treatment Facility at Maw Green Landfill, in Crewe, Cheshire.

A total BACS payment for the amount of **£18,021** has been made to the Environment Agency using payment reference: **PSCAPPMAWG5193** (see Part F1 form for working out of fee).

I trust the application is in order but please contact me if you need any further information or have any queries regarding this.

Yours Sincerely,

A. Stocks

Andy Stocks
Director of Environment
On behalf of Caulmert Limited

DOCUMENT 2.3
ENVIRONMENTAL PERMIT APPLICATION
FORM – PART A

Application for an environmental permit Part A – About you

You will need to fill in this part A if you are applying for a new permit, applying to change an existing permit or surrender your permit, or want to transfer an existing permit to yourself. Please check that this is the latest version of the form available from our website.

You can apply online for Waste standard rules environmental permits, bespoke waste permits and bespoke Medium combustion plant permits

Apply online for an environmental permit.

Please read through this form and the guidance notes that came with it.

The form can be:

1) **saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes.**
2) **printed off and filled in by hand. Please write clearly in the answer spaces.**

Note: if you believe including information on a public register would not be in the interests of national security you must enclose a letter telling us that you have told the Secretary of State. We will not include the information in the public register unless directed otherwise.

It will take less than one hour to fill in this part of the application form.

Where you see the term 'document reference' on the form, give the document references and send the documents with the application form when you've completed it.

Contents

1 About you
2 Applications from an individual
3 Applications from an organisation of individuals or charity
4 Applications from public bodies
5 Applications from companies or corporate bodies
6 Your address
7 Contact details
8 How to contact us
9 Where to send your application
Appendix 1 – Date of birth information for installation and waste activities (applications for a new permit or transferring a permit) only

1 About you

Are you applying as an individual, an organisation of individuals (for example, a partnership), a company (this includes Limited Liability Partnerships) or a public body?

An individual	Now go to section 2 and if you are applying for a new permit or transferring a permit for an installation or waste activity please also fill in Appendix 1
An organisation of individuals (for example, a partnership)	Now go to section 3 and if you are applying for a new permit or transferring a permit for an installation or waste activity please also fill in Appendix 1
A public body	Now go to section 4
A registered company or other corporate body	Now go to section 5 and if you are applying for a new permit or transferring a permit for an installation or waste activity please also fill in Appendix 1

2 Applications from an individual

2a Please give us the following details

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Now go to section 6

3 Applications from an organisation of individuals or charity

3a Type of organisation

For example, a charity, a partnership, a group of individuals or a club

3b Details of the organisation or charity

If you are an organisation of individuals, please give the details of the main representative below. If relevant, provide details of other members (please include their title Mr, Mrs and so on) on a separate sheet and tell us the document reference you have given this sheet

Contact name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Now go to question 3c or section 6

3c Details of charity

Full name of charity

This should be the full name of the legal entity not any trading name.

3d Company registration number

If you are registered with Companies House please tell us your registration number

3e Charity Commission number

If you are registered with the Charity Commission please tell us your registration number

Now go to section 6

4 Applications from public bodies

4a Type of public body

For example, NHS trust, local authority, English county council

4b Name of the public body

4c Please give us the following details of the executive

An officer of the public body authorised to sign on your behalf

Name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Position

Now go to section 6

5 Applications from companies or corporate bodies

5a Name of the company

3C Waste Limited

5b Company registration number

02632581

Date of registration (DD/MM/YYYY)

25/07/1991

If you are applying as a corporate organisation that is not a limited company, please provide evidence of your status and tell us below the reference you have given the document containing this evidence.

Document reference

5 Applications from companies or corporate bodies, continued

5c Please give details of the directors

If relevant, provide details of other directors and company secretary, if there is one, on a separate sheet and tell us the reference you have given this sheet.

Document reference: See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

Details of company secretary (if relevant) and director/s

Title (Mr, Mrs, Miss and so on)

First name

Last name

Title (Mr, Mrs, Miss and so on)

First name

Last name

Now go to section 6

6 Your address

6a Your main (registered office) address

For companies this is the address on record at Companies House.

Contact name

Title (Mr, Mrs, Miss and so on): Mr

First name: Vicente Federico

Last name: Orts-Llopis

Address: 3 Sidings Court
White Rose Way
Doncaster
England

Postcode: DN4 5NU

Contact numbers, including the area code

Phone: 01604 826 380

Fax

Mobile

Email: vicente.orts@fccenvironment.co.uk

For an organisation of individuals every partner needs to give us their details, including their title Mr, Mrs and so on. So, if necessary, continue on a separate sheet and tell us below the reference you have given the sheet.

Document reference

6b Main UK business address (if different from above)

Contact name

Title (Mr, Mrs, Miss and so on)

First name: As Q6a above.

Last name

Address

Postcode

6 Your address, continued

Contact numbers, including the area code

Phone

Fax

Mobile

Email

Now go to section 7

7 Contact details

7a Who can we contact about your application?

It will help us if there is someone we can contact if we have any questions about your application. The person you name should have the authority to act on your behalf.

Please add a second contact on a separate sheet if this person is not always available.

Document reference of this separate sheet

This can be someone acting as a consultant or an 'agent' for you.

Contact name

Title (Mr, Mrs, Miss and so on) Mr

First name Andy

Last name Stocks

Address Caulmert Limited
Strelley Hall
Main Street, Strelley
Nottingham

Postcode NG8 6PE

Contact numbers, including the area code

Phone 01773 305 041

Fax

Mobile 07818 623 158

Email andystocks@caulmert.com

7b Who can we contact about your operation (if different from question 7a)?

Contact name

Title (Mr, Mrs, Miss and so on) Ms

First name Kellie-Marie

Last name Burston

Address 3C Waste Limited
3 Sidings Court
White Rose Way
Doncaster, England

Postcode DN4 5NU

Contact numbers, including the area code

Phone

Fax

Mobile 07876 003268

Email kellie-marie.burston@fccenvironment.co.uk

7 Contact details, continued

7c Who can we contact about your billing or invoice?

Note: Please provide the name and address that all invoices should be sent to for your subsistence fees.

As in question 7a

As in question 7b

Please give details below if different from question 7a or 7b.

Contact name

Title (Mr, Mrs, Miss and so on)	
First name	Finance Department
Last name	
Address	6 Sidings Court
	White Rose Way
	Doncaster
	England
Postcode	DN4 5NU

Contact numbers, including the area code

Phone	01302 30 30 30
Fax	
Mobile	
Email	

8 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422 549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it. More information on how to do this is available at: www.gov.uk/government/organisations/environment-agency/about/complaints-procedure.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

9 Where to send your application

For how many copies to send see the guidance note on part A.

For water discharges by email to PSC-WaterQuality@environment-agency.gov.uk

For waste and installations by email to PSC@environment-agency.gov.uk

For flood risk activity permits send 1 copy only to enquiries@environment-agency.gov.uk or to the local Environment Agency office for where the work is proposed to be carried out.

Or

Permitting Support, NPS Sheffield
Quadrant 2
99 Parkway Avenue
Parkway Business Park
Sheffield
S9 4WF

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form?

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you

For Environment Agency use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No

Yes

Amount received

£

Appendix 1 – Date of birth information for installation and waste activities (applications for a new permit or transferring a permit) only

Date of birth information in this appendix will not be put onto our Public Register

Are you applying as an individual, an organisation of individuals (for example, a partnership) or a company (this includes Limited Liability Partnerships)?

An individual	Now go to 2
An organisation of individuals (for example, a partnership)	Now go to 3
A registered company or other corporate body	Now go to 4

2 Applications from an individual

Please give us the following details

Name

Date of birth (DD/MM/YY)

3 Applications from an organisation of individuals or charity

Details of the organisation or charity

If you are an organisation of individuals, please give the date of birth details of the main representative below. If relevant, provide details of other members on a separate sheet and tell us the document reference you have given this sheet.

Name

Date of birth (DD/MM/YY)

Document reference

4 Applications from companies or corporate bodies

Name of the company: 3C Waste Limited

Please give the date of birth details for all directors and company secretary if there is one. If relevant, provide those details of other directors on a separate sheet and tell us the document reference you have given this sheet.

Details of company secretary (if relevant) and director/s

Name

Date of birth (DD/MM/YY)

Name

Date of birth (DD/MM/YY)

Name

Date of birth (DD/MM/YY)

Document reference: See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

DOCUMENT 2.4
ENVIRONMENTAL PERMIT APPLICATION
FORM – PART B3

Application for an environmental permit
Part B3 – New bespoke installation permit

If you are applying for a new bespoke permit for an installation, fill in this part of the form, together with parts A, B2 and F1.

Please check that this is the latest version of the form available from our website.

Please read through this form and the guidance notes that go with it.

If you are applying for a permit for an intensive farm do not use this form, but complete application form part B3.5 instead.

The form can be:

1) saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes.
2) printed off and filled in by hand. Please write clearly in the answer spaces.

It will take less than three hours to fill in this part of the application form.

Contents

1 What activities are you applying for?
2 Point source emissions to air, water and land
3 Operating techniques
4 Monitoring
5 Environmental impact assessment
6 Resource efficiency and climate change
8 How to contact us
Appendix 1 – Specific questions for the combustion sector
Appendix 2 – Specific questions for the chemical sector
Appendix 3 – Specific questions for the waste incineration sector
Appendix 4 – Specific questions for the landfill sector and recovery of hazardous waste on land activities

1 What activities are you applying for?

Fill in Table 1a below with details of all the activities listed in schedule 1 or other references (see note 1) of the Environmental Permitting Regulations (EPR) and all directly associated activities (DAAs) (in separate rows), that you propose to carry out at the installation.

Fill in a separate table for each installation you are applying for. Use a separate sheet if you have a long list and send it to us with your application form. Tell us below the reference you have given the document.

Document reference	See Op Tech Rpt ref. 5193-CAU-XX-XX-RP-V-0311

1 What activities are you applying for?, continued

Table 1a – Types of activities

Schedule 1 listed activities						
Installation name	Schedule 1 or other references (See note 1)	Description of the activity (See note 2)	Activity capacity (See note 3)	Annex I (D codes) and Annex II (R codes) and descriptions	Hazardous waste treatment capacity (if this applies) (See note 3)	Non-hazardous waste treatment capacity (if this applies) (See note 3)
If there are not enough rows, send a separate document and give the document reference number here	Put your main activity first			For installations that take waste only	For installations that take waste only	For installations that take waste only
See Act & Op Tech Report ref.						
5193-CAU-XX-XX-RP-V-0311						

Directly associated activities (See note 4) Also note: if the DAA is a Medium Combustion Plant or Specified Generator (MCP/SG) please also fill in part B2.5, (see https://www.gov.uk/government/publications/application-for-an-environmental-permit-part-b25-new-bespoke-medium-combustion-plant-and-specified-generator-permit)		
Name of DAA If there are not enough rows, send a separate document and give the document reference number here	Description of the DAA (please identify the schedule 1 activity it serves)	
For installations that take waste (See note 5 below)	Total storage capacity	
	Annual throughput (tonnes each year)	

1 What activities are you applying for?, continued

Notes

1. Quote the section number, part A1 or A2 or B, then paragraph and sub-paragraph number as shown in EPR part 2 of schedule 1, schedule 13 and 14 for Local Authority regulated activities, or schedule 25/25B for Medium Combustion Plant or Specified Generators.
2. Use the description from the relevant schedule of the regulations. Include any extra detail that you think would help to accurately describe what you want to do.
3. By 'capacity', we mean:

- the total incineration capacity (tonnes every hour) for waste incinerators
- the total landfill capacity (cubic metres) for landfills
- the total capacity (cubic metres) for the recovery of hazardous waste on land
- the total treatment capacity (tonnes each day) for waste treatment operations
- the total storage capacity (tonnes) for waste storage operations
- the processing and production capacity for manufacturing operations, or
- the thermal input capacity for combustion activities

Fill each listed activity as a separate line and give an accurate description of any other activities associated with your schedule 1 activities. You cannot have Directly Associated Activities (DAAs) as part of a mobile plant application. If the DAA is a Medium Combustion Plant or Specified Generator (MCP/SG) please fill in the table in appendix 1 question 13.

By 'total storage capacity', we mean the maximum amount of waste, in tonnes, you store on the site at any one time.

Types of waste accepted

For those installations that take waste, for each line in Table 1a (including DAAs), fill in a separate document to list those wastes you will accept on to the site for that activity. Give the List of Wastes catalogue code and description (see https://www.gov.uk/government/publications/waste-classification-technical-guidance).

If you need to exclude waste from your activity or facility by restricting the description, quantity, physical nature, hazardous properties, composition or characteristic of the waste, include these in the document. Send it to us with your application form.

Please provide the reference for each document.

You can use Table 1b as a template.

If you want to accept any waste with a code ending in 99, you must provide more information and a full description of the waste in the document, (for example, detailing the source, nature and composition of the waste). Where you only want to receive specific wastes within a waste code you can provide further details of the waste you want to receive. Where a waste is dual coded you should use both codes for the waste.

Document reference of this extra information: See Op Tech Rpt ref. 5193-CAU-XX-XX-RP-V-0311

1 What activities are you applying for?, continued

Table 1b – Template example – types of waste accepted and restrictions

Waste code	Description of the waste
Example	Example
02 01 08*	Agrochemical waste containing hazardous substances
18 01 03*	Infectious clinical waste, not contaminated with chemicals or medicines – human healthcare (may contain sharps) for alternative treatment
17 05 03*/17 06 05*	Non-hazardous soil from construction or demolition contaminated with fragments of asbestos cement sheet

1c Recovery of hazardous waste on land

Are you applying for a waste recovery activity involving the permanent deposit of inorganic hazardous waste on land for construction or land reclamation?

No ☒ Now go to question 2

Yes ☐

Have you written a waste recovery plan (WRP) that shows that you will use waste to perform the same function as non waste materials you would have used?

No You must write a WRP to support your application.

Yes

Have we advised you during pre-application discussions that we believe the activity is waste recovery?

No

Yes

Have there been any changes to your proposal since the discussions?

No

Yes

Please send us a copy of your current waste recovery plan that complies with our guidance at https://www.gov.uk/government/publications/deposit-for-recovery-operators-environmental-permits/waste-recovery-plans-and-deposit-for-recovery-permits. You need to highlight any changes you may have made since your pre-application discussions.

Document reference

Please note that there is an additional charge for the assessment or re assessment of a waste recovery plan that must be submitted as part of this application. For the charge see https://www.gov.uk/government/publications/environmental-permitting-charges-guidance/environmental-permitting-charges-guidance

2 Point source emissions to air, water and land

Fill in Table 2 below with details of the point source emissions that result from the operating techniques at each of your installations.

Fill in one table for each installation, continuing on a separate sheet if necessary.

Table 2 – Emissions (releases)

Installation name	Maw Green Landfill Soils Treatment Facility			
Point source emissions to air				
Emission point reference and location	Source	Parameter	Quantity	Unit
See Act & Op Tech Report				
Point source emissions to water (other than sewers)				
Emission point reference and location	Source	Parameter	Quantity	Unit
See Act & Op Tech Report				
Point source emissions to sewers, effluent treatment plants or other transfers off site				
Emission point reference and location	Source	Parameter	Quantity	Unit
See Act & Op Tech Report				
Point source emissions to land				
Emission point reference and location	Source	Parameter	Quantity	Unit
See Act & Op Tech Report				

You will also need to complete application form part B6 if your installation includes a point source emission(s) to:

- water
- groundwater or
- sewer

Supporting information

3 Operating techniques

3a Technical standards

Fill in Table 3a for each activity at the installation you refer to in Table 1a above and list the 'Best Available Techniques' you are planning to use. If you use the standards set out in the relevant BAT conclusion(s), BAT reference document(s) (BREF) and/or technical guidance(s) (TGN) there is no need to justify using them within your documents in Table 3a.

For Part A(2) activities refer to https://www.gov.uk/government/collections/integrated-pollution-prevention-and-control-sector-guidance-notes and for Part B and Schedule 14 activities see https://www.gov.uk/government/collections/local-air-pollution-prevention-and-control-lappc-process-guidance-notes

You must justify your decisions in a separate document if:

- there is no technical standard
- the technical guidance provides a choice of standards, or
- you plan to use another standard

This justification could include a reference to the Environmental Risk Assessment provided in part B2 (General bespoke permit) of the application form.

For each of the activities listed in Table 1a, the documents in Table 3a should summarise:

- the operations undertaken
- the measures you will use to control the emissions from your process, as identified in your risk assessment or the relevant BAT conclusions, BREF or technical guidance
- how you will meet other standards set out in the relevant BAT conclusions document, BREF or technical guidance

Table 3 – Technical standards

Fill in a separate table for each activity at the installation.

Installation name	Maw Green Landfill Soils Treatment Facility	
Description of the schedule 1 activity or directly associated activity	Best available technique (BATC, BREF or TGN reference) (see footnote below)	Document reference (if appropriate)

* Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

In all cases, describe the type of facility or operation you are applying for and provide site infrastructure plans, location plans and process flow diagrams or block diagrams to help describe the operations and processes undertaken. Give the document references you use for each plan, diagram and description.

Document reference: See Op Tech Rpt ref. 5193-CAU-XX-XX-RP-V-0311

3b General requirements

Fill in a separate Table 4 for each installation.

Table 4 – General requirements

Name of the installation	Maw Green Soils Treatment Facility
If the technical guidance or your risk assessment shows that emissions of substances not controlled by emission limits are an important issue, send us your plan for managing them	Document reference or references See Act & Op Tech Report
Where the technical guidance or your risk assessment shows that odours are an important issue, send us your odour management plan	Document reference or references See Act & Op Tech Report
If the technical guidance or your risk assessment shows that noise or vibration are important issues, send us your noise or vibration management plan (or both)	Document reference or references See Act & Op Tech Report

For guidance on risk assessments for your environmental permit see https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit

3c Types and amounts of raw materials

Fill in Table 5 for all schedule 1 activities. Fill in a separate table for each installation.

Table 5 – Types and amounts of raw materials

Name of the installation		Maw Green Landfill Soils Treatment Facility		
Capacity (See note 1 below)				
Schedule 1 activity	Description of raw material and composition	Maximum amount (tonnes) (See note 2 below)	Annual throughput (tonnes each year)	Description of the use of the raw material including any main hazards (include safety data sheets)

Notes

1 By 'capacity', we mean the total storage capacity (tonnes) or total treatment capacity (tonnes each day).

2 By 'maximum amount', we mean the maximum amount of raw materials on the site at any one time.

Use a separate sheet if you have a long list of raw materials, and send it to us with your application form. Please also provide the reference of this extra sheet.

Document reference: See Op Tech Rpt ref. 5193-CAU-XX-XX-RP-V-0311

3d Information for specific sectors

For some of the sectors, we need more information to be able to set appropriate conditions in the permit. This is as well as the information you may provide in sections 5, 6 and 7. For those activities listed below, you must answer the questions in the related document.

Table 6 – Questions for specific sectors

Sector	Appendix
Combustion	See the questions in appendix 1
Chemicals	See the questions in appendix 2
Incinerating waste	See the questions in appendix 3
Landfill and recovery of hazardous waste on land	See the questions in appendix 4

General information

4 Monitoring

4a Describe the measures you use for monitoring emissions by referring to each emission point in Table 2 above

You should also describe any environmental monitoring. Tell us:

- how often you use these measures
- the methods you use
- the procedures you follow to assess the measures

Document reference: See Op Tech Rpt ref. 5193-CAU-XX-XX-RP-V-0311

4b Point source emissions to air only

4b1 Has the sampling location been designed to meet BS EN 15259 clause 6.2 and 6.3?

No ☐

Yes ☐

4b2 Are the sample ports large enough for monitoring equipment and positioned in accordance with section 6 and appendix A of BS EN 15259?

No ☐

Yes ☐

4b3 Is access adjacent to the ports large enough to provide sufficient working area, support and clearance for a sample team to work safely with their equipment throughout the duration of the test?

No ☐

Yes ☐

4b4 Are the sample location(s) at least 5 HD from the stack exit

No ☐

Yes ☐

4b5 Are the sample location(s) at least 2 HD upstream from any bend or obstruction?

No ☐

Yes ☐

4b6 Are the sample location(s) at least 5 HD downstream from any bend or obstruction?

No ☐

Yes ☐

4b7 Does the sample plane have a constant cross sectional area?

No ☐

Yes ☐

4b8 If horizontal, is the duct square or rectangular (unless it is less than or equal to 0.35 m in diameter)

No ☐

Yes ☐

4b9 If you have answered 'No' to any of the questions 4b1 to 4b8 above, provide an assessment to how the standards in BS EN 15259 will be met.

Document reference of the assessment

5 Environmental impact assessment

5a Have your proposals been the subject of an environmental impact assessment under Council Directive 85/337/EEC of 27 June 1985 [Environmental Impact Assessment] (EIA)?

No ☒ Now go to question 6

Yes ☐ Please provide a copy of the environmental statement and, if the procedure has been completed:

- a copy of the planning permission
- the committee report and decision on the EIA

Document reference of the copy

6 Resource efficiency and climate change

If the site is a landfill or a recovery of hazardous waste on land activity, you only need to fill in this section if the application includes gas engines.

6a Describe the basic measures for improving how energy efficient your activities are

Document reference of the description N/A

6b Provide a breakdown of any changes to the energy your activities use up and create

Document reference of the description N/A

6c Have you entered into, or will you enter into, a climate change levy agreement?

No ☐ Describe the specific measures you use for improving your energy efficiency

Document reference of the description

Yes ☐ Please give the date you entered (or the date you expect to enter) into the agreement (DD/MM/YYYY)

Please also provide documents that prove you are taking part in the agreement.

Document reference of the proof N/A

6d Explain and justify the raw and other materials, other substances and water that you will use

Document reference of the justification N/A

6e Describe how you avoid producing waste in line with Council Directive 2008/98/EC on waste

If you produce waste, describe how you recover it. If it is technically and financially impossible to recover the waste, describe how you dispose of it while avoiding or reducing any effect it has on the environment.

Document reference of the description N/A

7 Installations that include a combustion plant (excluding waste incinerators)

7a List all your combustion plant at the site and provide thermal input and operating hours for each

Document reference N/A

7b Do any of your combustion plants have a net rated thermal input of 1 or more MW and is not an excluded MCP?

No ☐ Go to 7c

Yes ☐ Please fill in the table in appendix 1 question 13

7c Is the aggregated net thermal input of your combustion plant more than 20 MW?

No ☐

Yes ☐ Please go to appendix 1 question 11

8 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422 549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: https://www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form?

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please ☐

No thank you ☐

Crystal Mark 19107
Clarity approved by Plain English Campaign

For Environment Agency use only

Date received (DD/MM/YYYY)

Payment received?

No ☐

Yes ☐ Amount received

£

Our reference number

Plain English Campaign's Crystal Mark does not apply to appendices 1 to 4.

Appendix 1 – Specific questions for the combustion sector

1 Identify the type of fuel burned in your combustion units (including when your units are started up, shut down and run as normal). If your units are dual fuelled (that is, use two types of fuel), list both the fuels you use

Fill in a separate table for each installation.

Installation reference			
Type of fuel	When run as normal	When started up	When shut down
Coal	☐	☐	☐
Gas oil	☐	☐	☐
Heavy fuel oil	☐	☐	☐
Natural gas	☐	☐	☐
WID waste	☐	☐	☐
Biomass (see notes 1 and 2 below)	☐	☐	☐
Biomass (see notes 1 and 2 below)	☐	☐	☐
Biomass (see notes 1 and 2 below)	☐	☐	☐
Biomass (see notes 1 and 2 below)	☐	☐	☐
Biomass (see notes 1 and 2 below)	☐	☐	☐
Landfill gas	☐	☐	☐
Other	☐	☐	☐

Notes

1. Not covered by Industrial Emissions Directive 2010/75/EU.
2. 'Biomass' is referred to The Renewables Obligation Order 2002 (https://www.legislation.gov.uk/uksi/2002/914/contents/made)

Give extra information if it helps to explain the fuel you use.

Document reference

Appendix 1 – Specific questions for the combustion sector, continued

2 Give the composition range of any fuels you are currently allowed to burn in your combustion plant

Fill in a separate table for each installation, continuing on a separate sheet if necessary

Fuel use and analysis					
Installation reference					
Parameter	Unit	Fuel 1	Fuel 2	Fuel 3	Fuel 4
Maximum percentage of gross thermal input	%				
Moisture	%				
Ash	% wt/wt dry				
Sulphur	% wt/wt dry				
Chlorine	% wt/wt dry				
Arsenic	% wt/wt dry				
Cadmium	% wt/wt dry				
Carbon	% wt/wt dry				
Chromium	% wt/wt dry				
Copper	% wt/wt dry				
Hydrogen	% wt/wt dry				
Lead	% wt/wt dry				
Mercury	% wt/wt dry				
Nickel	% wt/wt dry				
Nitrogen	% wt/wt dry				
Oxygen	% wt/wt dry				
Vanadium	mg/kg dry				
Zinc	mg/kg dry				
Net calorific value	MJ/kg				

Appendix 1 – Specific questions for the combustion sector, continued

3 If NOx factors are necessary for reporting purposes (that is, if you do not need to monitor emissions), please provide the factors associated with burning the relevant fuels

Fill in a separate table for each installation.

Installation reference	
Fuel	NOx factor (kgt^{-1})
Fuel 1	
Fuel 2	
Fuel 3	
Fuel 4	

Note: kgt^{-1} means kilograms of nitrogen oxides released for each tonne of fuel burned.

4 Will your combustion plant be subject to Chapter III of the Industrial Emissions Directive 2010/75/EU?

No ☐ Now fill in application form part F

Yes ☐

5 What is your plant?

an existing one ☐ A plant licensed before 1 July 1987

a new one ☐ A plant licensed on or after 1 July 1987 but before 27 November 2002, or a plant for which an application was made before 27 November 2002 and which was put into operation before 27 November 2003

a new-new one ☐ A plant for which an application was made on or after 27 November 2002

6 If you run more than one type of plant or a number of the same type of plant on your installation, please list them in the table below

Fill in a separate table for each installation.

Installation reference	
Type of plant	Number within installation
Existing	
New	
New-new	
Gas turbine (group A)	
Gas turbine (group B)	

Appendix 1 – Specific questions for the combustion sector, continued

7 If you run an existing plant, have you submitted a declaration for the 'limited life derogation' set out in Article 33 of Chapter III of the Industrial Emissions Directive?

No ☐ Now go to question 9

Yes ☐

8 Have you subsequently withdrawn your declaration?

No ☐

Yes ☐

9 List the existing large combustion plants (LCPs) which have annual mass allowances under the National Emission Reduction Plan (NERP), and those with emission limit values (ELVs) under the LCPD

Installation reference	
LCPs under NERP	LCPs with ELVs

10 Do you meet the monitoring requirements of Chapter III of the Industrial Emissions Directive?

No ☐

Yes ☐ Document reference

11 Have you carried out a cost–benefit assessment (CBA) of opportunities for cogeneration (combined heat and power) or district heating under Article 14 of the Energy Efficiency Directive?

No ☐ Please provide supporting evidence of why a CBA is not required (for example, an agreement from us)

Document reference of this evidence

Yes ☐ Please submit a copy of your CBA

Document reference of the CBA

Appendix 1 – Specific questions for the combustion sector, continued

12 Does your installation need to be combined heat and power-ready (CHP-ready)?

No ☐ Please provide supporting evidence of why a CHP-ready assessment is not required (for example, an agreement from us)

Document reference of this evidence

Yes ☐ Please provide a copy of your CHP-ready assessment

Document reference of the CHP-ready assessment

13 Information to be provided by the operator to the competent authority for each Medium Combustion Plant as identified in Annex I of Medium Combustion Plant Directive (EU/2015/2193)

MCP specific identifier*	
12-digit grid reference or latitude/longitude	
Rated thermal input (MW) of the MCP	
Type of MCP (diesel engine, gas turbine, other engine or other MCP)	
Type of fuels used: gas oil (diesel), natural gas, gaseous fuels other than natural gas, landfill gas	
Date when the new MCP was first put into operation	
Sector of activity of the MCP or the facility in which it is applied (NACE code)	
Expected number of annual operating hours of the MCP and average load in use	

Where the option of exemption under Article 6(8) is used the operator (as identified on Form A) should sign a declaration here that the MCP will not be operated more than the number of hours referred to in this paragraph	

* identifier – the MCP must be traceable via a serial number or other unique identifier, name plate, manufacturer and or model

NACE code means Nomenclature of Economic Activities and is the European statistical classification of economic activities (http://www.export.gov.il/files/EEN/ListNACEcodes.pdf).

To find out the 12-digit grid reference you can search on the UK Grid Reference Finder website at https://gridreferencefinder.com/

Appendix 2 – Specific questions for the chemical sector

1 Please provide a technical description of your activities

- The description should be enough to allow us to understand:
- the process
- the main plant and equipment used for each process
- all reactions, including significant side reactions (that is, the chemistry of the process)
- the material mass flows (including by products and side streams) and the temperatures and pressures in major vessels
- the all emission control systems (both hardware and management systems), for situations which could involve releasing a significant amount of emissions – particularly the main reactions and how they are controlled
- a comparison of the indicative BATs and benchmark emission levels standards: technical guidance notes (TGNs) (see https://www.gov.uk/government/collections/technical-guidance-for-regulated-industry-sectors-environmental-permitting); additional guidance 'The production of large volume organic chemicals' (EPR 4.01); 'Speciality organic chemicals sector' (EPR 4.02); 'Inorganic chemicals sector' (EPR 4.03); and best available techniques reference documents (BREFs) for the chemical sector

Document reference

2 If you are applying for a multi-purpose plant, do you have a multi-product protocol in place to control the changes?

No ☐

Yes ☐ Provide a copy of your protocol to accompany this application

Document reference

3 Does Chapter V of the Industrial Emissions Directive (IED) apply to your activities?

No ☐

Yes ☐ Fill in the following

3a List the activities which are controlled under the IED

Installation reference	
Activities	

3b Describe how the list of activities in question 3a above meets the requirements of the IED

Document reference

Appendix 3 – Specific questions for the waste incineration sector

If you are proposing to accept clinical waste, please complete your answer to question 3a 'Technical standards' with reference to relevant parts of our healthcare waste appropriate measures guidance (see https://www.gov.uk/guidance/healthcare-waste-appropriate-measures-for-permitted-facilities)

1a Do you run incineration plants as defined by Chapter IV of the Industrial Emissions Directive (IED)?

No ☐ You do not need to answer any other questions in this appendix

Yes ☐ IED applies

1b Are you subject to IED as

An incinerator? ☐

A co-incinerator? ☐

2 Do any of the installations contain more than one incineration line?

No ☐ Now go to question 4

Yes ☐

3 How many incineration lines are there within each installation?

Fill in a separate table for each installation.

Installation reference		
Number of incineration lines within the installation		
Reference identifiers for each line		

You must provide the information we ask for in questions 4, 5 and 6 below in separate documents. The information must at least include all the details set out in section 2 ('Key Issues') of S5.01 'Incineration of waste: additional guidance' (under the sub heading 'European legislation and your application for an EP Permit'). See https://www.gov.uk/government/collections/technical-guidance-for-regulated-industry-sectors-environmental-permitting.

You must answer questions 7 to 13 on the form below.

4 Describe how the plant is designed, equipped and will be run to make sure it meets the requirements of IED, taking into account the categories of waste which will be incinerated

Document reference

5 Describe how the heat created during the incineration and co-incineration process is recovered as far as possible (for example, through combined heat and power, creating process steam or district heating)

Document reference

Appendix 3 – Specific questions for the waste incineration sector, continued

6 Describe how you will limit the amount and harmful effects of residues and describe how they will be recycled where this is appropriate

Document reference

For each line identified in question 3, answer questions 7 to 13 below

Question 3 identifier, if necessary

7 Do you want to take advantage of the Article 45 (1)(f) allowance (see below) if the particulates, CO or TOC continuous emission monitors (CEM) fail?

No ☐

Yes ☐ This allows 'abnormal operation' of the incineration plant under certain circumstances when the CEM for releases to air have failed. Annex VI, Part 3(2) sets maximum half hourly average release levels for particulates (150 mg/m3), CO (normal ELV) and TOC (normal ELV) during abnormal operation.

Describe the other system you use to show you keep to the requirements of Article 13(4) (for example, using another CEM, providing a portable CEM to insert if the main CEM fails, and so on).

8 Do you want to replace continuous HF emission monitoring with periodic hydrogen fluoride (HF) emission monitoring by relying on continuous hydrogen chloride (HCl) monitoring as allowed by IED Annex VI, Part 6 (2.3)?

Under this you do not have to continuously monitor emissions for hydrogen fluoride if you control hydrogen chloride and keep it to a level below the HCl ELVs.

No ☐

Yes ☐ Please give your reasons for doing this

Appendix 3 – Specific questions for the waste incineration sector, continued

9 Do you want to replace continuous water vapour monitoring with pre-analysis drying of exhaust gas samples, as allowed by IED Annex VI, Part 6 (2.4)?

Under this you do not have to continuously monitor the amount of water vapour in the air released if the sampled exhaust gas is dried before the emissions are analysed.

No ☐

Yes ☐ Please give your reasons for doing this

10 Do you want to replace continuous hydrogen chloride (HCl) emission monitoring with periodic HCl emission monitoring, as allowed by IED Annex VI, Part 6 (2.5), first paragraph?

Under this you do not have to continuously monitor emissions for hydrogen chloride if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No ☐

Yes ☐ Please give your reasons for doing this

Appendix 3 – Specific questions for the waste incineration sector, continued

11 Do you want to replace continuous HF emission monitoring with periodic HF emission monitoring, as allowed by IED Annex VI, Part 6 (2.5), first paragraph?

Under this you do not have to continuously monitor emissions for hydrogen fluoride if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No ☐

Yes ☐ Please give your reasons for doing this

12 Do you want to replace continuous SO2 emission monitoring with periodic sulphur dioxide (SO2) emission monitoring, as allowed by IED Annex VI, Part 6 (2.5), first paragraph?

Under this you do not have to continuously monitor emissions for sulphur dioxide if you can prove that the emissions from this pollutant will never be higher than the ELVs allowed.

No ☐

Yes ☐ Please give your reasons for doing this

Appendix 3 – Specific questions for the waste incineration sector, continued

13 If your plant uses fluidised bed technology, do you want to apply for a derogation of the CO WID ELV to a maximum of 100 mg/m³ as an hourly average, as allowed by IED Annex VI, Part 3?

No ☐

Does not apply ☐

Yes ☐ Please give your reasons for doing this

14 Have you carried out a cost–benefit assessment (CBA) of opportunities for cogeneration (combined heat and power) or district heating under Article 14 of the Energy Efficiency Directive?

No ☐ Please provide supporting evidence of why a CBA is not required (for example, an agreement from us)

Document reference of this evidence

Yes ☐ Please submit a copy of your CBA

Document reference of the CBA

15 Does your installation need to be combined heat and power-ready (CHP-ready)?

No ☐ Please provide supporting evidence of why a CHP-ready assessment is not required (for example, an agreement from us)

Document reference of this evidence

Yes ☐ Please provide a copy of your CHP-ready assessment

Document reference of the CHP-ready assessment

Appendix 4 – Specific questions for the landfill sector and recovery of hazardous waste on land activities

1. For the landfill sector, provide your Environmental Setting and Installation Design (ESID) report and any other risk assessments to control emissions.

For recovery of hazardous waste on land activities, provide your Environmental Setting and Site Design (ESSD) report and any other risk assessments to control emissions

Document reference: ESID Addendum 5193-CAU-XX-XX-RP-V-0309

2. For recovery of hazardous waste on land activities, provide your Waste Acceptance Procedures (including Waste Acceptance Criteria)

Document reference: N/A

Refer to our guidance at

https://www.gov.uk/government/publications/deposit-for-recovery-operators-environmental-permits/waste-acceptance-procedures-for-deposit-for-recovery

3. Provide your hydrogeological risk assessment (HRA) for the site

Document reference: N/A

4. Provide your outline engineering plan for the site

Document reference: N/A

5. Provide your stability risk assessment (SRA) for the site

Document reference: N/A

6. Provide your landfill gas risk assessment (LFGRA) for the site

Document reference: N/A

We have developed guidance on these assessments and their reports which can be found at https://www.gov.uk/government/collections/environmental-permitting-landfill-sector-technical-guidance

7. For recovery of hazardous waste on land activities, have you completed a monitoring plan for the site?

No ☐ Please refer to the section of your ESSD that explains why this is unnecessary for your site

Document reference of this evidence

Yes ☐ Document reference

Appendix 4 – Specific questions for the landfill sector and recovery of hazardous waste on land activities, continued

8. Have you completed a proposed plan for closing the site and your procedures for looking after the site once it has closed?

No ☐ If you have answered 'no' for recovery of hazardous waste on land activities, refer to the section of your ESSD that explains why this is unnecessary for your site

Document reference of this evidence

Yes ☐ For landfill you must provide a closure and aftercare plan

Document reference

DOCUMENT 2.5
ENVIRONMENTAL PERMIT APPLICATION
FORM – PART C2

Application for an environmental permit
Part C2 – General – varying a bespoke permit

Environment Agency

Fill in this part of the form, together with part A and the relevant parts of C3 to C7 and part F1 or F2, if you are applying to vary (change) the conditions or any other part of the permit. Please check that this is the latest version of the form available from our website.

You only need to give us details in this application for the parts of the permit that will be affected (for example, if you are adding a new facility or changing existing ones).

Waste operation changing to installation or vice versa?

If your changes mean that a waste operation becomes an installation (or vice versa) you also need to fill in either part C3 (waste to installation) or part C4 (installation to waste).

You do not need to resend any information from your original permit application if it is not affected by your proposed changes.

Please read through this form and the guidance notes that came with it.

The form can be:

1) saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes.
2) printed off and filled in by hand. Please write clearly in the answer spaces.

It will take less than two hours to fill in this part of the application form.

Contents

1 About the permit
2 About your proposed changes
3 Your ability as an operator
4 Consultation
5 Supporting information
6 Environmental risk assessment
7 How to contact us
Appendix 1 – Low impact installation checklist
Appendix 2 – Date of birth information for Relevant offences and/or Technical ability questions only

1 About the permit

Note: If you are applying to convert your existing permit to a standard permit or add a standard facility you need to fill out form C1.

1a Discussions before your application

If you have had discussions with us before your application, give us the permit reference or details on a separate sheet. Tell us below the reference you have given this extra sheet.

Permit or document reference: N/A

1b Permit number

What is the permit number that this application relates to? EPR/BS7722ID

1c Site details

What is the name, address and postcode of the site?

Site name: Maw Green Landfill Site

Address: Maw Green Road, Coppenhall, Crewe, Cheshire

Postcode: CW1 5NG

2 About your proposed changes

2a Type of variation

What type of variation are you applying for?

Minor technical

Normal variation I

Substantial

2 About your proposed changes, continued

2b Changes or additions to existing activities

Please give us brief details in the box below. More detailed information can be given in Table 1 below.

See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

Fill in Table 1 with details of all the proposed changes to current activities. In the final column of the table, give us the document reference for the proposed changes and send them to us with your filled in application form.

Fill in a separate table for each activity you are applying to vary or add. Use a separate sheet if you have a long list and send it to us with your application form. Tell us below the reference you have given this document.

Document reference: See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

You only need to fill in one table for your mining waste operations.

2c Consolidating (combining) or updating existing permits

If your proposed change is to modernise (update) your permit, now answer 2c1; otherwise go to 2d.

If your proposed change is to consolidate (combine) a number of permits, now answer 2c2; otherwise go to 2d.

Note: In both cases we may require additional information from you about, for example, your management system. Therefore we would always advise you to talk to us before you submit any application to modernise or consolidate permits.

2c1 Do you want to have a modern style permit?

No I

Yes

2c2 Identify all the permits you want to consolidate (combine) by listing the permit numbers in Table 2 below

Table 2 – Permit numbers

2d Treating batteries

2d Are you proposing to treat batteries?

No I

Yes Tell us how you will do this and send us a copy of your explanation and tell us below the reference you have given this explanation

Document reference for the explanation

2e Ship recycling

2e1 Is your activity covered by the Ship Recycling Regulations 2015? (See the guidance notes on part C2.)

No I

Yes Tell us how you will do this. Please send us a copy of your explanation and your facility recycling plan, and tell us below the reference numbers you have given these documents

Document reference for the explanation

Document reference for the facility recycling plan

2e2 Is this a renewal of an existing authorisation covered by the Ship Recycling Regulations 2015?

No I

Yes Tell us the expiry date of your existing authorisation (DD/MM/YYYY)

2 About your proposed changes, continued

Table 1 – Changes to existing activities

Fill in Table 1 with details of all the proposed changes to current activities. In the final column of the table, give us the document reference for the proposed changes and send them to us with your filled in application form.

Name	Installation schedule 1 references	Description of the installation activity	Description of waste operation	Description of the mining waste operations	Description of water discharge activity	Description of groundwater activity	Proposed changes document reference
i.e. name of installation, waste operation, mining waste operation, water discharge activity or groundwater activity							
Example – effluent unique name					Example – treated sewage effluent		
If you do not have enough room, go to the line below or send a separate document and give us the document reference here							
See Supporting Doc							

2 About your proposed changes, continued

2f Low impact installations (installations only)

2f1 Will any changes mean that any of the regulated facilities will become low impact installations?

No I Now go to section 3

Yes If yes, tell us how you meet the conditions for a low impact installation (see the guidance notes on part C2 – Appendix 1)

Document reference

Tick the box to confirm you have filled in the low impact installation checklist in appendix 1 for each regulated facility ☐

3 Your ability as an operator

If you are applying to add waste installations or waste operations to a permit that has not previously had them, you need to fill in all of section 3.

If you are applying to consolidate (combine) two or more permits or have an updated permit you must fill in question 3d.

This section does not apply for applications to surrender a permit.

3a Relevant offences

Installations and waste operations only (see the guidance notes on part C2).

3a1 Have you, or any other relevant person, been convicted of any relevant offence?

No I Now go to question 3b

Yes Please give details below

Name of the relevant person

Title (Mr, Mrs, Miss and so on)

First name

Last name

Position held at the time of the offence

Name of the court where the case was dealt with

Date of the conviction (DD/MM/YY)

Offence and penalty set

Date any appeal against the conviction will be heard (DD/MM/YYYY)

If necessary, use a separate sheet to give us details of other relevant offences and tell us below the reference number you have given the extra sheet.

Document reference

Now go to question 3b

Please also complete the details in Appendix 2.

3b Technical ability

Specified waste management activities and waste operations only (see the guidance notes on part C1).

Please indicate which of the two schemes you are using to demonstrate you are technically competent to operate your facility and the evidence you have enclosed to demonstrate this.

ESA/EU skills

I have enclosed a copy of the current Competence Management System certificate I

CIWM/WAMITAB scheme

Please select **one** of the following:

- I have enclosed a copy of:
  - the relevant qualification certificate/s I

  or
  - evidence of deemed competence

  or

3 Your ability as an operator, continued

- Environment Agency assessment

or

- evidence of nominated manager status under the transitional provisions for previously exempt activities

and, if deemed competent or Agency-assessed, or if there is evidence of a nominated manager, or if the original qualification is over two years old:

I have enclosed a copy of the relevant current continuing competence certificate/s

For each technically competent manager please give the following information. If necessary, use a separate sheet to give us these details and tell us below the document reference you have given the extra sheet.

Title (Mr, Mrs, Miss and so on)

First name

Last name

Phone

Mobile

Email

Please provide the environmental permit number/s and site address for **all** other waste activities that the proposed technically competent manager provides technical competence for, including permits held by other operators. Continue on a separate sheet as required.

Permit number	Site address	Postcode

Document reference: See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

Now go to question 3c

Please also complete the details in Appendix 2.

3c Finances

Installations, waste operations and mining waste operations only (see the guidance notes on part C2).

Please note that if you knowingly or carelessly make a statement that is false or misleading to help you get an environmental permit (for yourself or anyone else), you may be committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

Do you or any relevant person or a company in which you were a relevant person have current or past bankruptcy or insolvency proceedings against you?

No

Yes Please give details below, including the required set-up costs (including infrastructure), maintenance and clean up costs for the proposed facility against which a credit check may be assessed

We may want to contact a credit reference agency for a report about your business's finances.

3 Your ability as an operator, continued

Landfill, Category A mining waste facilities and mining waste facilities for hazardous waste only

How do you plan to make financial provision (to operate a landfill or a mining waste facility you need to show us that you are financially capable of meeting the obligations of closure and aftercare)?

Renewable bonds

Cash deposits with the Environment Agency

Other – provide comprehensive details

Document reference

Provide a cost profile and expenditure plan of your estimated costs throughout the aftercare period of your site.

Document plan reference

Now go to question 3d

3d Management systems

You must have an effective, written management system in place that identifies and reduces the risk of pollution. You may show this by using a certified scheme or your own system.

Your permit requires you (as the operator) to ensure that you manage and operate your activities in accordance with a written management system.

You need to be able to explain what happens at each site and which parts of the overall management system apply. For example, at some sites you may need to show you are carrying out additional measures to prevent pollution because they are nearer to sensitive locations than others.

You can find guidance on management systems on our website at www.gov.uk/government/organisations/environment-agency.

Tick this box to confirm that you have read the guidance and that your management system will meet our requirements I

What management system will you provide for your regulated facility?

ISO 14001 I

BS 8555 (Phases 1–5)

Acorn

Green dragon

Own management system

Please make sure you send us a summary of your management system with your application.

Document reference/s See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

4 Consultation

Fill in 4a to 4c for installations and waste operations and 4d for installations only.

Could the waste operation or installation involve releasing any substance into any of the following?

4a A sewer managed by a sewerage undertaker?

No

Yes I Please name the sewerage undertaker United Utilities

4b A harbour managed by a harbour authority?

No I

Yes Please name the harbour authority

4c Directly into relevant territorial waters or coastal waters within the sea fisheries district of a local fisheries committee?

No I

Yes Please name the fisheries committee

4 Consultation, continued

4d Is the installation on a site for which:

4d1 a nuclear site licence is needed under section 1 of the Nuclear Installations Act 1965?

No I

Yes

4d2 a policy document for preventing major accidents is needed under regulation 5 of the Control of Major Accident Hazards Regulations 2015, or a safety report is needed under regulation 7 of those Regulations?

No I

Yes

5 Supporting information

5a Provide a plan or plans for the site

See the guidance notes on part C2 for what needs to be marked on the plan.

Clearly mark the site boundary or discharge point, or both. Also include site drainage plans, site layout plans, and plant design drawings/process flow diagrams (as required). (See the guidance notes on part C2.)

Document reference/s of the plans: See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

5b Do any of the variations you plan to make need extra land to be included in the permit?

No I

Yes Please provide a site report for the extra land

Document report reference/s

5c Provide a non-technical summary of your application

Document reference of the summary: See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

5d Risk of fire from sites storing combustible waste

Are you applying for an activity that includes the storage of combustible wastes?

(This applies to all activities excluding standalone water and groundwater discharges.)

No I Go to question 5f

Yes Go to question 5e

5e Will your variation increase the risk of a fire occurring or increase the environmental risk if a fire occurs?

See the guidance notes on part C2.

No ☐

Yes ☐ Provide a fire prevention plan. You need to highlight any changes you have made since your pre-application discussions

Document reference of the plan

5f Adding an installation

If you are applying to add an installation, tick the box to confirm that you have sent in a baseline report and provide a reference

Document reference of the report

6 Environmental risk assessment

If you need one, see the guidance notes on part C2.

Provide an assessment of any additional risks the proposed changes or additions to your regulated facilities poses to the environment as part of your application to vary this permit. The risk assessment must follow the methodology set out in 'Risk assessments for your environmental permit' at https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit or an equivalent method.

Document reference for the assessment: See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

7 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422 549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form?

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you

For Environment Agency use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No

Yes

Amount received

£

Plain English Campaign's Crystal Mark does not apply to appendix 1.

Appendix 1 – Low impact installation checklist

Installation reference				
Condition	Response			Do you meet this?
A – Management techniques	Provide references to show how your application meets A			Yes No
	References			
B – Aqueous waste	Effluent created		m^3/day	Yes No
C – Abatement systems	Provide references to show how your application meets C			Yes No
	References			
D – Groundwater	Do you plan to release any hazardous substances or non-hazardous pollutants into the ground?		Yes No	Yes No
E – Producing waste	Hazardous waste		Tonnes per year	Yes No
	Non-hazardous waste		Tonnes per year	
F – Using energy	Peak energy consumption		MW	Yes No
G – Preventing accidents	Do you have appropriate measures to prevent spills and major releases of liquids? (See 'How to comply'.)		Yes No	Yes No
	Provide references to show how your application meets G			
	References			
H – Noise	Provide references to show how your application meets H			Yes No
	References			
I – Emissions of polluting substances	Provide references to show how your application meets I			Yes No
	References			
J – Odours	Provide references to show how your application meets J			Yes No
	References			
K – History of keeping to the regulations	Say here whether you have been involved in any enforcement action as described in Compliance History Appendix 1 explanatory notes		Yes No	

Appendix 2 – Date of birth information for Relevant offences and/or Technical ability questions only

Date of birth information in this appendix will not be put onto our Public Register

Have you filled in the Relevant Offences question?

Yes I

No

Have you filled in the Technical ability question?

Yes I

No

2 Relevant Offences - date of birth information

Please give us the following details

Name N/A

Date of birth (DD/MM/YY)

3 Technical ability - date of birth information

Name See Supp Doc ref. 5193-CAU-XX-XX-RP-V-0308

Date of birth (DD/MM/YY)

DOCUMENT 2.6
ENVIRONMENTAL PERMIT APPLICATION
FORM – PART F1

Application for an environmental permit
Part F1 – Charges and declarations

Environment Agency

Fill in this part for all applications for installations, waste operations, mining waste operations, water discharges, point source groundwater discharges and groundwater discharges onto land. Please check that this is the latest version of the form available from our website.

Please read through this form and the guidance notes that came with it.

The form can be:

1) **saved onto a computer and then filled in. Please note that the form follows a logic that means questions will open or stay closed depending on a previous answer. So you may not be able to enter text in some boxes.**
2) **printed off and filled in by hand. Please write clearly in the answer spaces.**

It will take less than two hours to fill in this part of the application form.

Contents

1 Working out charges
2 Payment
3 Privacy notice
4 Confidentiality and national security
5 Declaration
6 Application checklist
7 How to contact us
8 Where to send your application

Each individual who is applying for their name to appear on the permit must complete the declaration in section 5. You will have to print a separate copy of the declaration page for each additional individual to complete.

1 Working out charges

You must fill in this section.

You have to submit an application fee with your application. You can find out the charge by searching for 'Environment Agency charging scheme and guidance: environmental permits' at www.gov.uk/government/organisations/environment-agency.

Please remember that the charges are revised on 1 April each year and that there is an annual subsistence charge to cover the costs we incur in the ongoing regulation of the permit.

Table 1 – Type of application (fill number of activity being applied for in each column)

Installation	Waste	Mining waste	Medium Combustion Plant (MCP)/Specified Generator (SG)	Water discharge/point source discharge to groundwater	Groundwater spreading onto land
x1					

Table 2 – Charge type (A)

Charge activity reference	Charge activity description	What are you applying to do? E.g. new, minor variation, normal variation, substantial variation, surrender, low risk surrender, transfer	Amount
e.g. 1.17.3	e.g. Sect 5.2 landfill for hazardous waste	e.g. transfer	e.g. £5,561
1.16.1.2	Sect 5.3 (a)(ii) hazardous waste installation -	variation - adding activity	£ 16,001.00
	physico-chemical treatment		
Total A			£ 16,001.00

1 Working out charges (you must fill in this section), continued

Table 3 – Additional assessment charges (B)

Part 1.19 Charges for plans and assessments			Tick appropriate
Reference	Plan or assessment	Charge	
1.19.1	Waste recovery plan	£1,231	
1.19.2	Habitats assessment (except where the application activity is a flood risk activity)	£779	I
1.19.3	Fire prevention plan (except where the application activity is a farming installation)	£1,241	
1.19.4	Pests management plan (except where the application activity is a farming installation)	£1,241	
1.19.5	Emissions management plan (except where the application activity is a farming installation)	£1,241	I
1.19.6	Odour management plan (except where the application activity is a farming installation)	£1,246	
1.19.7	Noise and vibration management plan (except where the application activity is a farming installation)	£1,246	
1.19.8	Ammonia emissions risk assessment (intensive farming applications only)	£620	
1.19.9	Dust and bio-aerosol management plan (intensive farming applications only)	£620	
	Advertising	£500	
Total B			£ 2,020.00

Total charges

Total A plus total B £ 18,021.00

2 Payment

Tick below to show how you have paid.

Cheque

Postal order

Cash Tick below to confirm you are enclosing cash with the application

Credit or debit card

Electronic transfer (for example, BACS) I

Remittance number PSCAPPMAWG5193

Date paid (DD/MM/YYYY) 06/01/2023

How to pay

Paying by cheque, postal order or cash

Cheque details

Cheque made payable to

Cheque number

Amount £

You should make cheques or postal orders payable to 'Environment Agency' and make sure they have 'A/c Payee' written across them if it is not already printed on.

Please write the name of your company and application reference number on the back of your cheque or postal order. **We will not** accept cheques with a future date on them.

We do not recommend sending cash through the post. If you cannot avoid this, please use a recorded delivery postal service and enclose your application reference details. Please tick the box below to confirm you are enclosing cash.

I have enclosed cash with my application ☐

2 Payment, continued

Paying by credit or debit card

If you are paying by credit or debit card we can call you. We will destroy your card details once we have processed your payment. We can accept payments by Visa, MasterCard or Maestro card only.

Please call me to arrange payment by debit or debit card ☐

Paying by electronic transfer BACS reference

If you choose to pay by electronic transfer you will need to use the following information to make your payment.

Company name	Environment Agency
Company address	SSCL (Environment Agency), PO Box 797, Newport Gwent, NP10 8FZ
Bank	RBS/NatWest
Address	London Corporate Service Centre, CPB Services, 2nd Floor, 280 Bishopsgate, London EC2M 4RB
Sort code	60-70-80
Account number	10014411
Account name	EA RECEIPTS
Payment reference number	PSCAPPXXXXXYYY

You need to create your own reference number. It should begin with PSCAPP (to reflect that the application is for a permitted activity) and it should include the first five letters of the company name (replacing the X's in the above reference number) and a unique numerical identifier (replacing the Y's in the above reference number). The reference number that you supply will appear on our bank statements.

If you are making your payment from outside the United Kingdom, it must be in sterling. Our IBAN number is GB23NWK60708010014411 and our SWIFTBIC number is NWBKGB2L.

If you do not quote your reference number, there may be a delay in processing your payment and application.

Provide a unique reference number for the application, i.e. do not only use the company name only: PSCAPPMAWG5193

State who is paying (full name and whether this is the agent/ applicant/other): Provectus Soils Management Limited

Fee paid: £ 18,021.00

Date payment sent (DD/MM/YYYY): 06/01/2023

Now read section 3 below

You should also email your payment details and reference number to ea_fsc_ar@gov.sscl.com.

3 Privacy notice

The Environment Agency runs the environmental permit application service.

We are the data controller for this service. A data controller determines how and why personal information is processed.

Our personal information charter explains:

- your rights
- what we do with your personal information

We're allowed to process your personal information because we have official authority as the environmental regulator. We need this information to carry out a task in the public interest that is set out in law. As the data controller, when you apply for an environmental permit, we have a legal obligation to process your personal data under the Environmental Permitting Regulations. The second lawful basis for processing your personal data is to comply with this legal obligation.

We need your personal information to process your environmental permit application. If you do not give us this information we cannot issue a permit to you. After we've issued a permit to you, we use your personal information:

- to check that you're complying with your permit
- during any potential enforcement action

What personal information we collect

If you're the individual applicant, director or company secretary of a company applying or a technically competent manager we need your:

- name
- date of birth

3 Privacy notice, continued

- address
- email address

If you're the agent, consultant, employee responsible for the activity or the employee responsible for billing and invoicing we need your:

- name
- address
- email address

If you're the applicant we need details of any:

- convictions
- bankruptcy

We also collect any questions or feedback you leave, including your email address if you contact us.

Your responsibility with other people's personal information

If you've included personal information about other people on your application, you must tell them. You must provide them with a copy of this privacy notice so that they know how their personal information will be used.

What we do with your personal information

We use your personal information to help us decide whether to issue you with a permit.

The information (except dates of birth) is available online on our consultation website during the consultation period. This website is available to everyone so your information may be seen outside the European Economic Area.

After consultation we put all the information (except dates of birth) you give us in your application on our public register.

If you can demonstrate that any information you send us is commercially or industrially confidential, we'll consider withholding that information from our public register.

If you think that the information you'll send us may be a threat to national security you must contact the Secretary Of State before you apply. You must still send us that information with your application. We will not include this information on our public register unless the Secretary of State decides it can be included.

See the environmental permitting guidance for guidance on national security.

We may use your email address to contact you for user research to improve our service. You don't have to take part in the research.

Where your personal information is processed and stored

We store and process your personal information on servers in the UK. We will not host your personal information outside the European Economic Area.

We do not use your personal information to make an automated decision or for automated profiling.

How long we keep your personal information

We keep your personal information while your permit is in use and for 7 years after you surrender your permit. If the permit is for a landfill site, we keep the data for 10 years after surrender.

Removing personal information from the public register

We will remove your personal information from the public register if:

- you withdraw your application
- we refuse your application and the time limit for appealing the decision has expired or an appeal is dismissed
- the information is no longer relevant for public participation purposes under the Environmental Permitting Regulations

Contact

Our Data Protection Team gives independent advice. They monitor how the Environment Agency uses your personal information.

If you have questions or concerns about how we process personal information, or to make a complaint or request relating to data protection, please contact:

Address: Data Protection Team
Environment Agency
Horizon House
Deanery Road
Bristol
BS1 5AH

3 Privacy notice, continued

Email: dataprotection@environment-agency.gov.uk

You can also make a complaint to the Information Commissioner's Office (ICO).

The ICO is the supervisory authority for data protection legislation. The ICO website has a full list of your rights under data protection legislation.

Now read section 4 below

4 Confidentiality and national security

Confidentiality

We will normally put all the information in your application on a public register of environmental information. However, we may not include certain information in the public register if this is in the interests of national security, or because the information is confidential.

You can ask for information to be made confidential by enclosing a letter with your application giving your reasons. If we agree with your request, we will tell you and not include the information in the public register. If we do not agree with your request, we will let you know how to appeal against our decision, or you can withdraw your application. You can find guidance on confidentiality in 'Environmental permitting guidance: core guidance', published by Defra and available via our website at www.gov.uk/government/organisations/environment-agency.

Only tick the box below if you wish to claim confidentiality for your application

Please treat the information in my application as confidential

National security

You can tell the Secretary of State that you believe including information on a public register would not be in the interests of national security. You must enclose a letter with your application telling us that you have told the Secretary of State and you must still include the information in your application. We will not include the information in the public register unless the Secretary of State decides that it should be included.

You can find guidance on national security in 'Environmental permitting guidance: core guidance', published by Defra and available via our website at www.gov.uk/government/organisations/environment-agency.

You cannot apply for national security via this application.

Now fill in section 5

5 Declaration

If you knowingly or carelessly make a statement that is false or misleading to help you get an environmental permit (for yourself or anyone else), you may be committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

A relevant person should make the declaration (see the guidance notes on part F1). An agent acting on behalf of an applicant is NOT a relevant person.

Each individual (or individual trustee) who is applying for their name to appear on the permit must complete this declaration. You will have to print a separate copy of this page for each additional individual to complete.

If you are transferring all or part of your permit, both you and the person receiving the permit must make the declaration. You must fill in the declaration directly below; the person receiving the permit must fill in the declaration under the heading 'For transfers only'.

Note: we will issue a letter to both current and new holders to confirm the transfer. If you are changing address we will need to send this letter to your new address; therefore please tell us your new address in a separate letter.

If you are unable to trace one or more of the current permit holders please see below under the transfers declaration.

I declare that the information in this application is true to the best of my knowledge and belief. I understand that this application may be refused or approval withdrawn if I give false or incomplete information.

If you deliberately make a statement that is false or misleading in order to get approval you may be prosecuted.

I confirm that my standard facility will fully meet the rules that I have applied for (this only applies if the application includes standard facilities)

Tick this box to confirm that you understand and agree with the declaration above, then fill in the details below (you do not have to provide a signature as well) I

Tick this box if you do not want us to use information from any ecological survey that you have supplied with your application (for further information please see the guidance notes on part F1)

5 Declaration, continued

Name

Title (Mr, Mrs, Miss and so on)	Mr
First name	Vicente Federico
Last name	Orts-Llopis
on behalf of (if relevant; for example, a company or organisation and so on)	3C Waste Limited
Position (if relevant; for example, in a company or organisation and so on)	Director
Today's date (DD/MM/YYYY)	10/01/2023

For transfers only – declaration for person receiving the permit

A relevant person should make the declaration (see the guidance notes on part F1). An agent acting on behalf of an applicant is NOT a relevant person.

I declare that the information in this application to transfer an environmental permit to me is true to the best of my knowledge and belief. I understand that this application may be refused or approval withdrawn if I give false or incomplete information.

Note: If you cannot trace a person or persons holding the permit you may be able to transfer the permit without their declaration as above. Please contact us to discuss this and supply evidence in your application to confirm you are unable to trace one or all of the permit holders.

If you deliberately make a statement that is false or misleading in order to get approval you may be prosecuted.

Tick this box to confirm that you understand and agree with the declaration above, then fill in the details below (you do not have to provide a signature as well)

Name

Title (Mr, Mrs, Miss and so on)	
First name	
Last name	
on behalf of (if relevant; for example, a company or organisation and so on)	
Position (if relevant; for example, in a company or organisation and so on)	
Today's date (DD/MM/YYYY)	

Now go to section 6

6 Application checklist

You must fill in this section.

If your application is not complete we will return it to you. If you aren't sure about what you need to send, speak to us before you submit your application.

You must do the following:

Complete legibly all parts of this form that are relevant to you and your activities	I
Identify relevant supporting information in the form and send it with the application	I
List all the documents you are sending in the table below. If necessary, continue on a separate sheet. This separate sheet also needs to have a reference number and you should include it in the table below	I
For new permits or any changes to the site plan, provide a plan that meets the standards given in the guidance note on part F1	I
Provide a supporting letter for any claim that information is confidential	
Get the declaration completed by a relevant person (not an agent)	I
Send the correct fee	I

6 Application checklist, continued

Question reference	Document title	Document reference
Part A Q5c	Supporting Document	5193-CAU-XX-XX-RP-V-0308
Part C2 Q1b, 2a, 2b, 3a, 3b		
3c, 3d, 4, 5a, 5b, 5c, 5d, 5f		
Q6 & Appendix 2		
Part F1		
Part C3 all questions	Operating Techniques Report	5193-CAU-XX-XX-RP-V-0311
Part C2 Q5c	Best Available Techniques (BAT) Review	5193-CAU-XX-XX-RP-V-0312
Part C2 Q6	Amenity & Accidents Risk Assessment	5193-CAU-XX-XX-RP-V-0310
Part C2 Q5b, 5c, Part B3	Environmental Setting & Installation Design Adden	5193-CAU-XX-XX-RP-V-0309
App 4 Q1		
Part B3 Q3b	Dust & Emissions Management Plan	5193-CAU-XX-XX-RP-V-0313

7 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, or you would like us to review a decision we have made, please let us know. More information on how to do this is available at: https://www.gov.uk/government/organisations/environment-agency/about/complaints-procedure.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

8 Where to send your application

For how many copies to send see the guidance note on part F1.

Please send your filled in application form to:

For water discharges by email to PSC-WaterQuality@environment-agency.gov.uk

For waste and installations by email to PSC@environment-agency.gov.uk

Or

Permitting Support, NPS Sheffield
Quadrant 2
99 Parkway Avenue
Parkway Business Park
Sheffield
S9 4WF

Do you want all information to be sent to you by email?

Please tick this box if you wish to have all communication about this application sent via email (we will use the details provided in part A) I

Feedback

(You don't have to answer this part of the form, but it will help us improve our forms if you do.)

We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it.

How long did it take you to fill in this form?

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you

For Environment Agency use only

Date received (DD/MM/YYYY)

Our reference number

Payment received?

No

Yes

Amount received

£

DOCUMENT 2.7
ENVIRONMENTAL PERMIT VARIATION APPLICATION, SUPPORTING DOCUMENT

Caulmert Limited

Engineering, Environmental & Planning
Consultancy Services

Maw Green Landfill Soils Treatment Facility

3C Waste Limited

Environmental Permit Variation Application

Supporting Document

Prepared by:

Caulmert Limited
Office: Strelley Hall, Main Street, Strelley, Nottingham, NG8 6PE
Tel: 01773 749 132
Email: andystocks@caulmert.com
Web: www.caulmert.com

Document Reference: 5193-CAU-XX-XX-RP-V-0308.A0.C1

January 2023

APPROVAL RECORD

Site: Maw Green Landfill Soils Treatment Facility

Client: 3C Waste Limited

Project Title: Environmental Permit Variation Application

Document Title: Supporting Document

Document Ref: 5193-CAU-XX-XX-RP-V-0308.A0.C1

Report Status: **Final**

Project Manager: Andy Stocks

Caulmert Limited: Strelley Hall, Main Street, Strelley, Nottingham, NG8 6PE

Author	Samantha Hayden Environmental Consultant	**Date**	09/12/2022
Reviewer	Andy Stocks Director of Environment	**Date**	09/12/2022
Approved	Andy Stocks Director of Environment	**Date**	09/12/2022

Revision Log			
Revision	**Description of Change**	**Approved**	**Effective Date**
C1	Initial Release	AS	10/01/2023

DISCLAIMER

This report has been prepared by Caulmert Limited with all reasonable skill, care and diligence in accordance with the instruction of the above named client and within the terms and conditions of the Contract with the Client.

The report is for the sole use of the above named Client and Caulmert Limited shall not be held responsible for any use of the report or its content for any purpose other than that for which it was prepared and provided to the Client.

Caulmert Limited accepts no responsibility of whatever nature to any third parties who may have been made aware of or have acted in the knowledge of the report or its contents.

Supporting Document

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1.0 INTRODUCTION

1.1 Application Context

1.1.1 3C Waste Limited (a wholly owned subsidiary of FCC Environment (UK) Limited) have appointed Caulmert Limited to prepare an environmental permit variation application to vary the existing Maw Green Landfill permit ref. EPR/BS7722ID to add a Section 5.3A(1)(a)(ii) activity to include for the treatment of hazardous asbestos-impacted soils by pre-screening and removing visible bound asbestos fragments.

1.1.2 The treatment of soils will be by pre-screening and handpicking of bonded asbestos and is to include an additional area for storage and treatment of solely asbestos contaminated wastes, separate to the current STF area for bioremediation. The proposed area for asbestos handling will measure approximately 4,100m^2 and will be located to the west of the current STF bioremediation area. This new area remains within the existing Maw Green Landfill permit boundary and so no extra land is required. A small portion of the new treatment area is to be located on top of the permanently capped landfill mass, as shown in drawing ref. 5193-CAU-XX-XX-DR-V-1807, however this has been considered in the design of the treatment pad.

1.1.3 There is a significant proportion of construction waste suitable for restoration use that contains incidental fragments of bound asbestos. This has previously been exported from the local region to one of our other soil treatment facilities for treatment and reuse. The site will accept hazardous asbestos-impacted soils for treatment to remove bound asbestos fragments and so recover the soils as a non-hazardous waste for use in restoration of the Maw Green Landfill. Asbestos fragments will be double bagged by hand, stored in a lockable skip and subsequently sent to a suitably licensed hazardous waste disposal facility (landfill). Asbestos-impacted soils will not be accepted for treatment if they contain friable asbestos, insulation or fibre concentrations that could generate airborne fibres at concentrations above the threshold limit of 0.01 f/ml. Incoming soils will be tested for asbestos fibres prior to treatment against thresholds of <0.1% for chrysotile and <0.01% for mixed or amphibole asbestos types. These asbestos fibre criteria have been demonstrated as suitable for waste acceptance limits on our other soil treatment facility to enable asbestos levels in air to be below 0.0005f/ml which is the current published WHO air quality standard for Europe. Any soils exceeding these limits or containing unbound asbestos/insulation will be rejected from site.

1.1.4 This activity is currently being undertaken under a mobile plant deployment by Provectus at Maw Green STF for the treatment of asbestos in soils, and asbestos monitoring is undertaken of airborne asbestos fibres at the site.

1.1.5 The monitoring data indicates airborne emissions are always below the detection limit of 0.0005 f/ml (see Treatment Process Description & BAT Review document ref. 5193-CAU-XX-XX-RP-0V-0312 for monitoring results and discussion). Therefore, this permit variation for Maw Green is to formalise the asbestos-soils treatment activity to be included as a permitted activity at the STF within the permit.

1.1.6 The bioremediation process at the existing STF will not change. The treated soils are used primarily in the restoration of Maw Green Landfill Site. The storage of hazardous waste at the site is already covered by listed activity within the permit: Section 5.6 Part A (1)(a) temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.

1.2 Document structure

1.2.1 This Supporting Document has been prepared to provide additional information to support the information provided in Parts A, C2 and F1 of the environmental permit application forms for varying a bespoke installation permit. Answers to Part B3 are covered in the Activities & Operating Techniques Report document ref. 5193-CAU-XX-XX-RP-V-0311.

1.2.2 To aid cross-referencing between this document and the application forms, the various issues are presented in the same order as in the application forms and the headings in this document include the specific question number to which the information relates.

2.0 PART A – ABOUT YOU

2.1 Q5c Details of Directors

2.1.1 Details of directors for 3C Waste Limited (a wholly owned subsidiary of FCC Environment (UK) Limited) are as detailed in Table 1 below:

Table 1 – Directors Details

Name of Directors
Vicente Federico Orts-Llopis
Paul Taylor

2.1.2 Date of birth information for Directors and Company Secretaries are necessary for new permit applications or transferring a permit only, therefore this section of Part A form is not required for this application.

3.0 PART C2 – GENERAL: VARYING A BESPOKE PERMIT

3.1 Q1b Permit Number

3.1.1 The environmental permit to which this variation relates is permit ref. EPR/ BS7722ID for Maw Green Landfill Site installation. This includes the Soils Treatment Facility (STF) currently operating at the site.

3.2 Q2a Type of Variation

3.2.1 This application is being made as a Variation involving the addition of a listed activity to Schedule 1 of the Permit and the appropriate fee will be paid to the Environment Agency.

3.3 Q2b (Table 1) Changes or additions to existing activities

3.3.1 It is proposed to add a separate additional listed activity to permit ref. EPR/BS7722ID for the treatment and storage of soils contaminated with asbestos at the Soils Treatment Facility (STF) at Maw Green Landfill Site:

- Section 5.3A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.

3.3.2 This permit application is for a new treatment activity on an additional area of land adjacent to the existing STF area but within the existing permit boundary. The treatment of the asbestos in soils will consist of pre-screening and handpicking of bonded asbestos, including for the storage of solely asbestos contaminated wastes prior to treatment. The proposed area will be in a separate area to the west of the existing STF area for bioremediation.

3.4 Q3a Relevant offences

3.4.1 There are no relevant offences of relevant persons that require declaration.

3.5 Q3b Technical ability

3.5.1 FCC Environment (UK) Limited (of which 3C Waste Limited is a wholly owned subsidiary) has introduced a Competency Management System (CMS) which has been certified by its accrediting body LRQA and is attached as Appendix 1:

Competency Management System – Energy & Utility Skills (Private Standard) Version 4

3.5.2 The Competency Management System is an alternative certification to the Certificate of Technical Competence (COTC) / Technically Competent Management (TCM) regime for demonstrating competence at sites with environmental permits. Whilst 3C Waste Limited will operate the site, Provectus Remediation Limited will provide technical assistance for the operation of the STF as required. Provectus technical staff that are to be involved with these activities are Jonathan Owens and Andrew Clee, whom are holders of the relevant COTC qualifications, and copies of their certificates are included in Appendix 2.

3.5.3 Details of other permitted waste activities for which Jonathan and Andrew currently also have TCM responsibilities are detailed in Table 2 below:

Table 2 – TCM Details

TCM	Permit Number	Site Address and Postcode
Jonathan Owens	EPR/EB363AK/A001 EAWML105284	Provectus Remediation Ltd. Mobile Plant Eling Wharf
Andrew Clee	EPR/WP3330BZ EPR/WP3330BZ	Edwin Richards Soil Treatment Facility, Rowley (B65 9DS) Welbeck Soil Treatment Facility, Wakefield (WF6 2JA)

3.5.4 The TCM Dates of Birth are included within Appendix 2 and due to confidentiality are not to be included on the Public Register.

3.6 Q3c Finances

3.6.1 There are no relevant current or past bankruptcy or insolvency proceedings that require declaration.

3.7 Q3d Management systems

3.7.1 FCC Environment (UK) Limited has implemented an accredited Environmental Management System (EMS) across the whole company and its subsidiaries to control the operations at their sites. Maw Green Landfill, Soil Treatment Facility and associated activities on site are managed by the operator in accordance with the management system which meets the standards set out in the Environment Agency Guidance 'Develop a management system: environmental permits' (last updated 31st August 2022). The management of the operations will continue to be in line with ISO14001 standard for environmental management. A summary of the EMS and certificates is included within document ref. 5193-CAU-XX-XX-RP-V-0315 in Appendix 1.

3.8 Q4 Sewerage Undertaker

3.8.1 A Trade Effluent Discharge Consent (TEDC) is in place for the Soils Treatment Facility (STF) at Maw Green Landfill Site under reference DPID: SC593201PROV01, issued to Provectus Soils Management Limited. The TEDC allows wastewater solely from the soil treatment facility (bioremediation process) to be discharged to foul sewer at a point of discharge situated at a private pipeline leading to Groby Road (MH: 3201). The new hazardous soils storage and treatment pad will be constructed from crushed concrete with underlying geo-composite clay liner (GCL). These will have sealed drainage where all surface waters will fall into and be directed to a pumping chamber before being pumped across site to the existing water treatment plant for subsequent discharge.

3.8.2 Water is reused on site where possible. All surfaces used to treat or store waste benefit from an underlying impermeable clay liner below the crushed concrete hardstanding. There are no direct releases off-site other than via the engineered surface water management system. All collected surface water drains to settlement tanks prior to sand and carbon filtration. The treated water from the treatment system is then pumped to a consented foul sewer. The surface water drainage system can be isolated in the event of a spill or contamination.

3.8.3 Asbestos and other restricted substances will continue to be tested for in treated waters prior to discharging any waste waters to sewer, as per limits within the discharge consent. Water monitoring from asbestos soils processing and storage areas at Edwin Richards Quarry, in Rowley Regis, Mobile Plant operation, a similar site operated by FCC, has not detected asbestos fibres to be present in effluent from asbestos processing areas (see Appendix 5 the Treatment Process Description & BAT Review document ref. 5193-CAU-XX-XX-RP-V-0312) and therefore, no abatement of asbestos in effluent is proposed for the asbestos in soils treatment pad.

3.9 Q5a Provide a plan or plans for the site

3.9.1 The Site Layout Plan for the STF has been amended to include the new additional asbestos-impacted soils treatment and storage area and is attached as drawing ref. 5193-CAU-XX-XX-DR-V-1805. The Plan shows the layout of the proposed area to the west of the current STF area for bioremediation, where asbestos picking and storage of asbestos contaminated soils will occur.

3.10 Q5b Site Report for any Extra land

3.10.1 No extra land will be added to the permitted area as a result of this permit variation as the area to the west of the current STF that is proposed for the asbestos screening and picking is already within the existing Maw Green Landfill permit boundary. However, the proposed area for the treatment and storage of asbestos contaminated soils does extend into a new area within the permit boundary where currently no activities are undertaken. As part of best practice, a Site Condition Report (SCR) has been produced within an addendum to the Environmental Setting and Installation Design (ESID) report, to cover the proposed treatment and storage area, which is separate from the existing STF area. The SCR is within the 2022 ESID addendum included within this application as document ref. 5193-CAU-XX-XX-RP-V-0309. It should be noted that, due to space constraints on site, part of the new treatment area will sit on top of permanently capped landfill which is detailed and assessed within the ESID addendum.

3.10.2 The proposed area for the treatment and storage of asbestos contaminated soils will have a surface constructed of crushed concrete and an impermeable geo-composite clay liner (GCL) beneath, with installed drainage that will direct surface water run-off towards a pumping chamber on the north-eastern side of the new STF area, before being pumped across the existing STF area to the water treatment system.

3.11 Q5c Provide a Non-Technical Summary

3.11.1 Maw Green Landfill Site is located off Maw Green Road, Coppenhall, Crewe, Cheshire, postcode CW1 5NG, and is approximately 2km north of the centre of Crewe.

3.11.2 Environmental permit ref. EPR/BS7722ID is a bespoke installation permit for the Maw Green Landfill Site and associated activities, which includes the Soil Treatment Facility (STF).

3.11.3 It is proposed to add the following listed activity to permit ref. EPR/BS7722ID for the treatment and storage of soils contaminated with asbestos at the Soils Treatment Facility (STF) at Maw Green Landfill Site, as follows:

- Section 5.3A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.

Proposed Operations

3.11.4 The treatment of soils will be by 3-way screen and handpicking of bonded asbestos and is to include an additional area for the storage of solely asbestos contaminated wastes, separate to the current STF area. The proposed area for asbestos handling is located to the west of the current STF, however is within the existing Maw Green Landfill permit boundary, with a small portion of the new treatment area to be located on top of the permanently capped landfill mass.

3.11.5 This activity is currently being undertaken under a mobile plant permit deployment by Provectus at Maw Green STF for the treatment of asbestos in soils, and asbestos monitoring is undertaken of airborne asbestos fibres at the site.

3.11.6 It is now proposed to regularise the treatment of asbestos in to be included as a permitted activity at the STF within the existing permit boundary.

3.11.7 The monitoring of operations undertaking the mobile plant deployment demonstrates airborne emissions from several static monitoring points to be consistently below the detection limit of <0.0005 f/ml.

3.11.8 Soil suitable for restoration will be retained on site for restoration of the landfill. Unsuitable material will be removed from the site.

3.11.9 The bioremediation process at the existing STF will not change. The treated soils are used primarily in the restoration of Maw Green Landfill Site. The storage of hazardous waste at the site is already covered by listed activity within the permit: Section 5.6 Part A (1)(a) temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.

3.11.10 The operator has recently applied to vary their permit to remove the 30,000 tonnes per annum restriction for hazardous waste to allow an overall tonnage limit of 50,000 tonnes per annum (tpa) of hazardous or non-hazardous waste.

3.11.11 This application proposes new hazardous waste codes to be included in the permit for the STF for the acceptance of bonded asbestos contaminated soils:

- 17 05 03* soil and stones containing hazardous substances.
- 17 06 05* construction materials containing asbestos.

3.11.12 Waste code 17 05 03* will be restricted to those wastes which contain identifiable pieces of bonded asbestos – any particle size that can be identified as potentially being asbestos by a competent person if examined by the naked eye. Waste code 17 06 05* will be restricted to wastes containing discrete pieces of bonded asbestos within the soil matrix only.

3.11.13 The bioremediation process will remain the same at the existing STF, utilising industry standard biopile technology. The bioremediation of the soils will continue to operate through the use of biopiles and moisture control, the addition of suitable nutrients to the soil and forced air extraction to encourage micro-organism growth, leading to the breakdown of hydrocarbons into by-products such as carbon dioxide and water vapour. If any treated soils from the asbestos treatment process are found to be impacted by hydrocarbons also, post-treatment, they can be sent to the bioremediation process for further remediation prior to use in the restoration of Maw Green Landfill.

3.11.14 A flow diagram showing the proposed treatment activities for asbestos-impacted soils at Maw Green STF is shown in Figure 1 below:

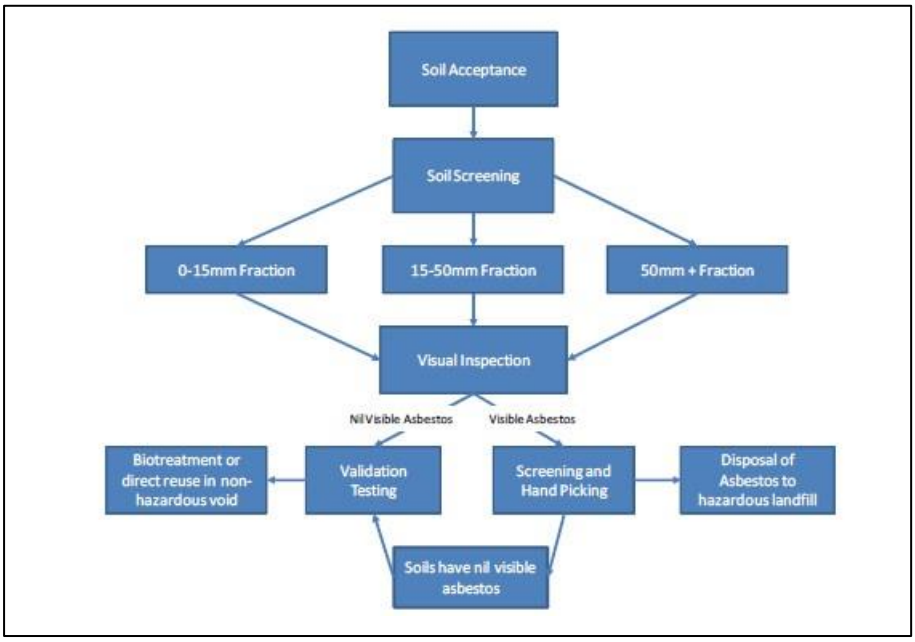


Figure 1 – Soil Treatment Overview

Pre-Acceptance

3.11.15 Pre-acceptance testing is carried out to confirm that the soil does not contain asbestos fibres above >0.1% for chrysotile and >0.01% for other forms of asbestos to ensure that airborne

asbestos fibres cannot be generated at concentrations above the HSE clearance/reoccupation limit of 0.01f/ml at the treatment equipment location and an agreed background reference level at the site boundary. Until this initial reception testing has been completed, the soils will remain sheeted. Following compliance with the waste acceptance limits confirming that there are no unacceptable asbestos fibre concentrations, the soil is formally accepted and can be stored un-sheeted and will undergo pre-screening and handpicking for bonded asbestos fragments. Soils containing asbestos of >0.1% for chrysotile and >0.01% for other asbestos types, that are observed to contain asbestos concentrations in excess of the waste acceptance limits, will be rejected from site.

Pre-screening and Hand-picking of asbestos contaminated soils

3.11.16 A mechanical screener will be used to remove oversize material from bonded asbestos containing soils. Soils will be screened using a three-way screener. The screened material is then passed through the picking station to allow the removal of any bound asbestos debris. This is to remove larger items (e.g. lumps of concrete) to reduce the potential of damage to the picking station and make hand picking of asbestos debris more effective.

3.11.17 The screener currently used under the mobile plant deployment is unmodified. Trials on enclosed screeners with a HEPA filter and uncovered screeners with general dust suppression have shown no difference in emissions as they all meet the method detection limit of <0.0005f/ml (see Treatment Process Description and BAT Review report ref. 5193-CAU-XX-XX-RP-V-0312). However, the use of enclosed screeners is far slower, prone to significant downtime and uses significantly more energy due to reduced throughput for no environmental benefit. The use of standard dust suppression with a propriety surfactant has been shown to be entirely effective as secondary mitigation to the waste acceptance criteria, Where Scanning Electron Microscopy (SEM) testing is undertaken this will ensure that the asbestos concentrations in air are below 0.0005f/ml. This approach and reduced detection limit for the asbestos monitoring meets the well-established principle of reducing emissions to be as low as reasonably practicable.

3.11.18 The process in the picking station will involve a manual sorting process by trained operatives who will remove visible fragments of asbestos from the materials from the conveyor. Asbestos picked from the conveyor will be placed by hand in individual polythene bags located inside the picking station beside the trained operatives. When the bags are either full, or the end of the working day is achieved, the polythene bag will be placed into a second bag and sealed using a taped swan neck. The double bagged asbestos will be taken outside and placed by hand into the on-site enclosed lockable asbestos skip. Used PPE from the picking station and direct working areas will be double bagged using the same approach as asbestos containing material (ACM) debris and placed into the enclosed lockable asbestos skip.

3.11.19 A Category B trained supervisor will regularly check the labelled, lockable asbestos waste skip and will arrange for the collection and delivery of new asbestos skips when the existing skip has reached 75% capacity. This is to ensure that there is no risk of the skip becoming over

capacity and unable to accept further bagged asbestos. This will form part of the daily site checks.

3.11.20 The out-going conveyor will drop the hand-picked picked processed soils, and the drop height will be minimised to reduce any agitation of the soils. A dust suppression system will be in place at the site that will consist of misting sprays with overlapping spray arcs, identical to the approved suppression system on the operator's other sites that can be used to continually dampen stockpiles during loading and unloading activities. Further detail on controls and mitigation for the release of emissions from the proposed activities are provided in the Dust & Emissions Management Plan, document ref. 5193-CAU-XX-XX-RP-V-0313.

Post Treatment Verification Sampling

3.11.21 Post Treatment Verification Sampling will be carried out to ensure soils treated at the Soil Treatment Facility (STF) meet the waste acceptance criteria to enable their use for the restoration of the landfill.

3.11.22 The sampling of soils will be performed by the STF technician or project manager. The procedure uses composite sampling methods as provided in BS812. For batches where treatment has been completed the sampling frequency will be 1/500t of treated soil.

3.11.23 Soils that do not meet the acceptance criteria will be treated further (if deemed viable) or removed from site for treatment/disposal at a suitable permitted facility.

3.11.24 The work instruction in soil analysis STC WI006 provides the analysis suite for soil batches that are being validated for reuse. The sampling frequency used is 1/500t. The reason for this is that the soils that are treated at the site are from a number of sources and once reception sampling is completed these are combined into batches to form a heterogenous stockpile. Treatment is undertaken on the biopiles, and batch size can vary significantly with over 10,000t occasionally being tested for disposal as treatment is deemed completed when all samples in a batch meet the reuse criteria.

3.11.25 The treated soils are sampled on a 1/500t frequency. This sampling frequency is chosen so that it meets the general principles contained within EA guidance document 'dispose of waste to landfill' April 2021 (https://www.gov.uk/guidance/dispose-of-waste-to-landfill).

3.11.26 The site-specific risk assessment for the restoration area where treated soils are to be reused, including appropriate soil treatment targets has been completed and agreed with the Environment Agency for the reuse of treated soils at the site.

3.11.27 Treated soils will be transferred onto the landfill for reuse in accordance with the approved restoration plan for Maw Green Landfill Site.

Emissions Monitoring

3.11.28 Monitoring for airborne asbestos emissions will be undertaken to ensure that operations do not result in fibre emissions detected above limits stated, or above the background reference

level of <0.0005f/ml. All soils with solid asbestos containing materials (ACM) are covered with tarpaulins or other suitable cover awaiting reception testing results. Soils are to be received on the treatment pad and sampled into discrete stockpiles based upon the site of origin.

3.11.29 Airborne asbestos concentrations have been monitored both within, and directly adjacent to the picking station at the operator's other sites. There is no increase in asbestos concentrations above the method detection limit of either <0.01f/ml or <0.0005f/ml within the internal atmosphere of the soil screener and picking stations monitored, nor ambient air immediately outside of the picking station. This monitoring has been undertaken since the operator commenced the treatment of bound asbestos contaminated soils. All air monitoring data has been submitted to the Environment Agency and approved as being compliant with the site's permit for each site. See Appendices 3 and 4 of the 'Treatment Process Description & BAT Review report ref. 5193-CAU-XX-XX-RP-V-0312 for air monitoring data at Maw Green Landfill Mobile Plant and Edwin Richards Quarry Mobile Plant). In order to further validate the results of the monitoring undertaken to date, an independent review of asbestos treatment and storage of asbestos contaminated soils is being undertaken at the Maw Green and Edwin Richards sites. This will be forwarded to the Environment Agency following publication.

3.11.30 Notwithstanding the evidence that there are no elevated airborne asbestos emissions within the soil screener and picking stations of the above sites, as an additional control measure, there will be a series of spray rails on the incoming and outgoing conveyor to effectively capture and contain particulate emissions. This would act as secondary containment for any particulate emissions.

3.11.31 Once the soils are treated and bound asbestos fragments removed, they no longer pose a risk to human health. The soil screening has not been observed to increase concentrations of asbestos fibres within the soil, on the contrary validation results are frequently observed to have lower asbestos fibre results than the original waste description. These soils either move to the soil storage area awaiting reuse in the restoration scheme or are placed into the bioremediation process should elevated TPH concentrations remain present that are either hazardous or above the restoration criteria (rare circumstance).

Drainage

3.11.32 The new hazardous soils storage and treatment pad for asbestos-impacted soils will be constructed from crushed concrete with underlying geo-composite clay liner (GCL). The treatment pads will be designed to have a fall towards a main water collection drain to ensure that water is continually drained from the pads. Water is unable to leave the downgradient periphery of the pads by lateral flow due to the presence of a containment bund of 300mm height. Water is unable to migrate to underlying controlled waters due to the presence of an engineered pad with an impermeable geo-composite clay liner (GCL) that will have a design permeability of 1 x 10^{-9} m/s as a minimum.

3.11.33 The sealed drainage will ensure all surface waters will fall and be collected on site and they are directed towards a pumping chamber on the north-eastern side of the new area, before

being pumped across to the existing water treatment system. Asbestos and other restricted substances will continue to be tested for prior to discharging any waste waters to sewer, as per limits within the discharge consent. Asbestos in soils is only accepted in a bound form, this means that it is held in a cement matrix as well as being present in soil. The presence of a bound matrix and soil has previously been expected to prevent the release of asbestos fibres into soil porewater. Fibre concentrations in soil are generally not detected at or below the detection limit of <0.001% in received soils. Water monitoring from asbestos process areas at Edwin Richards Quarry in Rowley Regis Mobile Plant operation for treatment of asbestos soils has not detected asbestos fibres to be present in effluent from asbestos processing areas (see Appendix 5 of the 'Treatment Process Description & BAT Review report ref. 5193-CAU-XX-XX-RP-V-0312). Therefore, no abatement of asbestos in effluent is proposed.

Application Documents

3.11.34 The following reports including risk assessments and management plans relevant to the proposed activity have been provided to accompany this permit variation:

- Amenity & Accidents Risk Assessment ref. 5193-CAU-XX-XX-RP-V-0310
- Addendum to the original Environmental Setting and Installation Design (ESID) report ref. 5193--CAU-XX-XX-RP-V-0309 (including Site Condition Report)
- Dust & Emissions Management Plan (DEMP) ref. 5193-CAU-XX-XX-RP-V-0313

3.11.35 A Best Available Techniques (BAT) Review ref. 5193-CAU-XX-XX-RP-V-0312 has been undertaken to confirm compliance of the proposed new contaminated soils activity at Maw Green Landfill with BAT Conclusions for waste treatment, in accordance with the Industrial Emissions Directive (IED) 2010/75/EU.

3.11.36 Maw Green Landfill, the Soil Treatment Facility and the associated activities on site are managed by the operator in accordance with a management system which meets the standards set in the Environment Agency Guidance 'Develop a management system: environmental permit' (last updated 31st August 2022). Where required, the operator will update the site-specific procedures and documents to control the proposed operations at the site, including adding the control measures within the ARA, DEMP and OMP for this application to the operating techniques at the site. A summary of the Management system is detailed in Appendix 1.

3.12 Q5d Risk of fire from combustible waste

3.12.1 The asbestos contaminated soils are not combustible wastes and so this is not considered further.

3.13 Q5f Adding an installation

3.13.1 This application seeks to add an additional listed activity to the existing landfill permit only and so this question is not considered further.

3.14 Q6: Environmental Risk Assessment

3.14.1 An environmental risk assessment of the proposed activity has been included within the Amenity & Accidents Risk Assessment ref. 5193-CAU-XX-XX-RP-V-0310.

3.15 Appendix 2 – Date of birth information for Technical Ability

3.15.1 The TCM managers for Provectus Limited remain unchanged but are detailed below and their dates of birth are provided in Appendix 2 and are to be excluded from the Public Register:

- Jonathan Owens (see appendix 2 for DOB)
- Andrew Clee (see appendix 2 for DOB).

4.0 PART B3 – VARIATION TO A BESPOKE INSTALLATION PERMIT

4.1.1 Please see the Activities & Operating Techniques report ref. 5193-CAU-XX-XX-RP-V-0311 for answers relating to Part B3 application form.

5.0 PART F1 – CHARGES & DECLARATIONS

5.1.1 The application fee relates to changes in the following activities:

- Section 5.3 Part A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.

5.1.2 As per Environment Agency Charging Scheme 2022/23, the charging ref. 1.16.1.2 applies to the above Section 5.3 activity to be added to the permit, and for the addition of the above activity a new permit application charge applies, as below. Temporary storage of hazardous waste is already permitted at the site:

Table 3 - Environment Agency variation fees

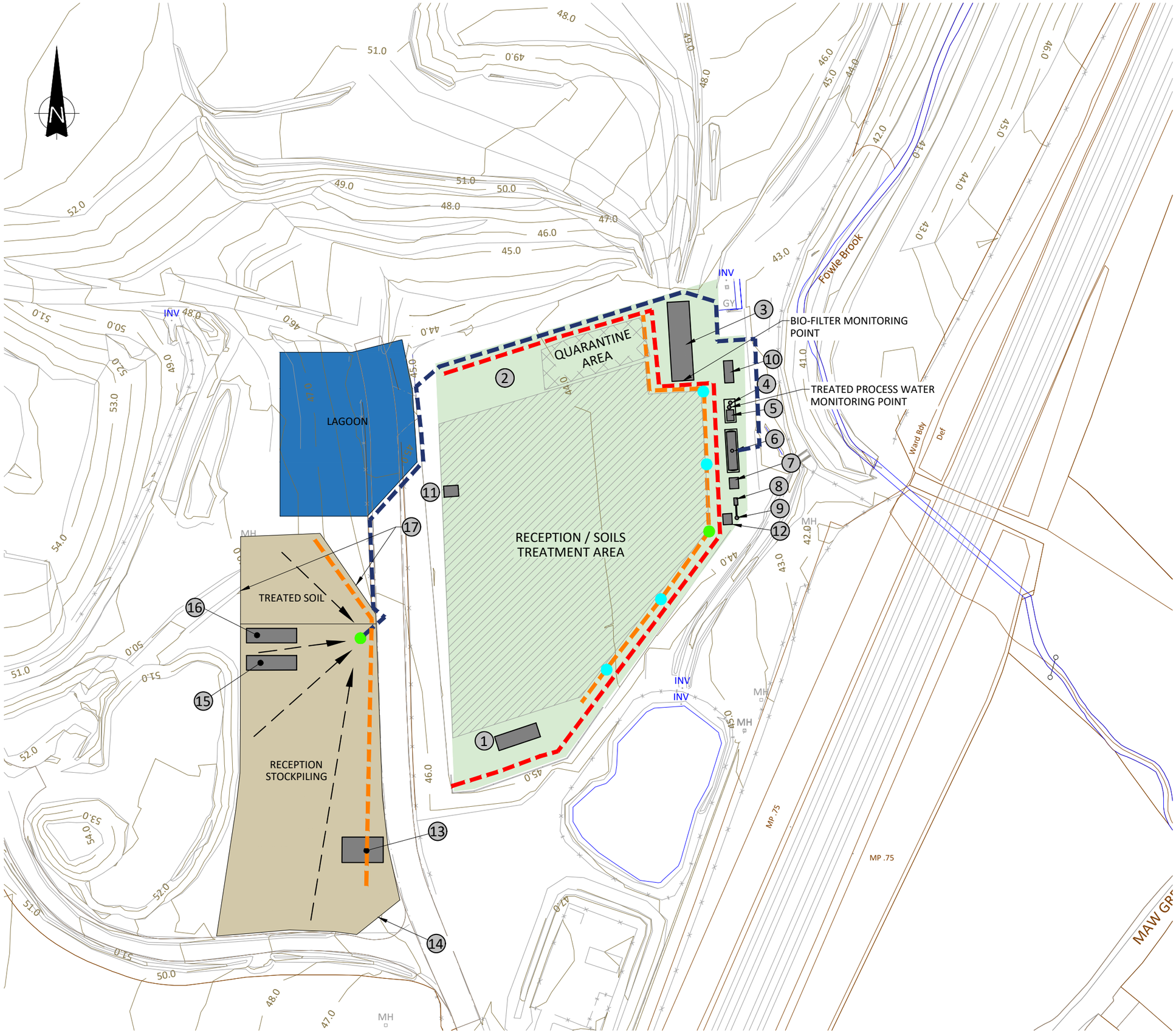
Charging Ref.	Description	Fee
1.16.1.2	Section 5.3 (a)(ii) – hazardous waste installation – physico-chemical treatment.	£16,001
-	Habitats Assessment	£779
-	Dust & Emissions Management Plan	£1,241
	Total	**£18,021**

5.1.3 A BACS payment for the amount of **£18,021** has been made to the Environment Agency under BACS reference: **PSCAPPMAWG5193**. This may have been made under a bulk payment.

DRAWINGS

5193-CAU-XX-XX-DR-V-1805 Site Layout Plan

5193-CAU-XX-XX-DR-V-1807 New Treatment Area Location



LEGEND

- CONCRETE IMPERMEABLE PAVING
- CRUSHED CONCRETE SITE SURFACING WITH GEO-COMPOSITE CLAY LINER (GCL)
- BOUNDARY KERB LINE
- WATER DRAINAGE PIPE
- DISCHARGE LINE
- FALL OF PAD
- DRAINAGE GULLY
- PUMPING CHAMBER
- 1 SITE OFFICE
- 2 NUTRIENT STORAGE
- 3 BIOFILTER
- 4 GRANULAR ACTIVATED CARBON FILTERS
- 5 TRANSFER TANK
- 6 PROCESS WATER SETTLEMENT TANK
- 7 10ft CONTAINER WITH CONTROL PANEL
- 8 BLOWER
- 9 AIR WATER SEPERATOR
- 10 20ft TOOL STORE
- 11 FUEL STORAGE
- 12 3WV
- 13 DECONTAMINATION UNIT
- 14 RECEPTION ENTRANCE AND EXIT
- 15 SOIL SCREENER
- 16 PICKING STATION
- 17 PLANT ENTRANCE AND EXIT

P02	UPDATED TO CLIENT INSTRUCTION	EJD	SH	SH	13.12.22
P01	ISSUED FOR INFORMATION	EJD	SH	SH	20.10.22
REV	MODIFICATIONS	BY	RE	AP	DATE

PURPOSE OF ISSUE: FOR INFORMATION
STATUS: S2

CLIENT: 3C WASTE LIMITED

PROJECT: MAW GREEN SOILS TREATMENT FACILITY PERMIT VARIATION

TITLE: PROPOSED SITE LAYOUT PLAN

DESIGNED BY	DRAWN BY	REVIEWED BY	AUTHORISED BY
EJD	EJD	SH	SH

DATE	SCALE @ A3	JOB REF:	REVISION
19.10.2022	1:1000	5193	P02

DRAWING NUMBER: 5193-CAU-XX-XX-DR-V-1805

Caulmert engineering environmental planning

Registered Office: InTec, Parc Menai, Bangor, Gwynedd, LL57 4FG Company Registered No: 06716319

LEGEND

- CRUSHED CONCRETE SITE SURFACING WITH GEO-COMPOSITE CLAY LINER (GCL)
- PERMANENTLY CAPPED LANDFILL

REV	MODIFICATIONS	BY	RE	AP	DATE
P01	ISSUED FOR INFORMATION	EJD	SH	SH	21.10.22

PURPOSE OF ISSUE: FOR INFORMATION
STATUS: S2

CLIENT: 3C WASTE LIMITED

PROJECT: MAW GREEN SOILS TREATMENT FACILITY PERMIT VARIATION

TITLE: NEW TREATMENT AREA LOCATION

DESIGNED BY	DRAWN BY	REVIEWED BY	AUTHORISED BY
EJD	EJD	SH	SH

DATE	SCALE @ A3	JOB REF:	REVISION
20.10.2022	1:500	5193	P01

DRAWING NUMBER: 5193-CAU-XX-XX-DR-V-1807

Caulmert
engineering environmental planning

Registered Office: InTec, Parc Menai, Bangor, Gwynedd, LL57 4FG Company Registered No: 06716319

APPENDIX 1

Management System Summary

Caulmert Limited

Engineering, Environmental & Planning Consultancy Services

Maw Green Landfill Soils Treatment Facility

3C Waste Limited

Environmental Permit Variation Application

Management System Summary

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Management System Summary

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1.0 INTRODUCTION

1.1.1 3C Waste Limited are a wholly owned subsidiary of FCC Environment (UK) Ltd (hereafter referred to as the 'operator') who operate Maw Green Landfill Site and Soils Treatment Facility (STF), located approximately 2km to the north of Crewe.

1.1.2 Caulmert Limited have been appointed by the operator to prepare an application to vary the permit to add an activity to allow for the treatment and storage of contaminated soils containing asbestos at the Soil Treatment Facility (STF) within Maw Green Landfill Site. The operator proposes to undertake the activity to the west of the existing STF area, within the existing landfill permit boundary.

1.1.3 The operator has developed a management structure and a site-specific Environmental Management System (EMS) accredited to ISO 14001. The EMS will be part of the facility's overall management system and will establish an organisational structure, responsibilities, practices, procedures and resources for achieving, reviewing and maintaining the company's commitment to environmental protection. Copies of ISO certificates are contained in Appendix 1 of this document.

1.1.4 The operation of an EMS is an assurance to the regulator, neighbouring businesses, stakeholders, and others alike that the facility operation is undertaken in strict compliance with the regulations in force and with the management seeking continual improvements. It requires the company to work in a transparent way, to maintain and improve the confidence of regulators and neighbours, and to have a proactive approach to environmental improvement.

2.0 MANAGEMENT SYSTEM

2.1 Overview

2.1.1 The operator already benefits from an environmental management system accredited to ISO14001 and a quality management system accredited to ISO 9001 to control the existing operations at the site.

2.1.2 The EMS defines the sites management structure, as well as setting out the roles and responsibilities of all staff. The development of the EMS will also include:

- An Environmental Policy;
- Health and Safety Procedures; and
- An operational guidance manual which will include process plant operating procedures for both standard and emergency conditions.

2.1.3 To ensure appropriate operation of the Soils Treatment Facility, the operator will develop documented management procedures and written work instructions which incorporate environmental considerations into the construction and operation of the facility.

2.1.4 The management system will also incorporate a number of other procedures and documents, which are used in the current operations of the site. These will be updated where applicable to incorporate the activities associated with the additional wastes.

2.2 Identifying and minimising risks of pollution

2.2.1 An environmental risk assessment has been carried out for the purpose of this variation which assesses the environmental risks from the activities proposed to be covered under the permit (document reference 5193-CAU-XX-XX-RP-V-0310).

2.2.2 The risk assessment was also used as a tool for identifying the risk management measures that are important in minimising the risks of pollution. The identified risk management measures are considered to be the minimum technical standards which the site should operate to.

2.2.3 A plan showing the sensitive receptors around the site and a site layout plan have also been prepared as part of this permit variation application.

2.3 Operations and maintenance

2.3.1 With regards to the proposed changes, the control measures identified within document reference 5193-CAU-XX-XX-RP-V-0310, will form the technical standards for the site. Any new operational procedures needing to be developed for the site will incorporate these technical standards as a minimum.

2.3.2 A Planned Preventative Maintenance programme (PPM) will be employed on site to minimise the risk to safety, health and the environment by ensuring that all appropriate items and elements within the site are serviced and inspected on a regular basis or to the manufacturers' maintenance schedules.

2.3.3 An inventory of the plant will be kept on site together with details on routine maintenance. Each item of plant will have a dedicated Maintenance log. These measures will reduce the likelihood of plant failure.

2.3.4 All site staff will be suitably trained and will report any such incidents to the Site Manager.

2.3.5 Specific procedures relevant to this will be:

- STC WI 001 Quote Generation Procedure
- STC WI 002 Soil Reception Procedure
- STC WI 003 Soil Characterisation Procedure
- STC WI 004 Soil Treatment and Monitoring Procedure
- STC WI 005 Soil Turnover
- STC WI 006 Soil Analysis
- STC WI 007 Environmental Monitoring
- STC WI 008 Biofilter Maintenance and Monitoring
- STC WI 009 Process Water Monitoring
- STC WI 010 Pad and Equipment Maintenance
- STC WI 011 Processing of Asbestos Contaminated Soils
- STC WI 012 Soil Rejection Procedure
- STC WI 013 Soil Disposal Procedure
- STC WI 014 GCL Pad Maintenance
- IMS-PRO-093 Amenity Impact Control Procedure
- IMS-PRO-094 Waste Handling Procedure
- IMS-UG-031 Waste Acceptance Guidance
- IMS-PRO-164 Compliance Testing Procedure
- IMS-FRM-191 Waste Sampling Plan
- IMS-PRO-101 Monthly Site Inspection Procedure
- IMS-UG-016 Environmental Permit Installation Checks Guidance
- IMS-UG-018 Environmental Aspects Assessment Guide

2.4 Accidents/Incidents and Non-Conformances

2.4.1 The operator will develop an accident management plan which:

- identifies the likelihood and consequence of accidents;
- identifies actions to prevent accidents and mitigate any consequences;
- documented procedures for handling, investigating, communicating and reporting actual or potential non-compliance with operating procedures or any emission limits;

- documented procedures for handling, investigating, communicating and reporting environmental complaints and implementation of appropriate actions; and,
- documented procedures for investigating incidents, (and near misses) including identifying suitable corrective action and following up.

2.4.2 To ensure ongoing conformance to the management requirements and a system of continuous improvement, the operator will have periodic audits undertaken by independent auditors.

2.4.3 Any incidents or non-conformances will be recorded in the daily site records. A daily site inspection is carried out by a technically competent manager. Staff are also encouraged to report any issues to a competent manager.

2.4.4 Specific procedures relevant to this will be:

- IMS-FRM-019 Environmental Aspects and Impacts Form
- IMS-FRM-025 Daily Monitoring Form
- IMS-FRM-037 Fire Risk Assessment Report
- IMS-FRM-065 Environmental Monitoring Non-Conformance Form
- IMS-FRM-068 Emergency Management Plan
- IMS-PRO-005 CAR Response Procedure
- IMS-PRO-013 Accident and Incident Reporting Procedure
- IMS-PRO-014 Preventive and Corrective Action
- IMS-PRO-016 Aspects and Impacts Procedure
- IMS-PRO-031 Fire Prevention Procedure
- IMS-PRO-051 Environmental Installation Checks Procedure
- IMS-PRO-093 Amenity Impact Control Procedure
- IMS-PRO-101 Monthly Site Inspection Procedure
- IMS-UG-015 Permit Breach Notification Guidance
- IMS-UG-016 Environmental Permit Installation Checks Guidance
- IMS-UG-017 Landfill Monitoring and Analysis Guidance
- IMS-UG-018 Environmental Aspects Assessment Guide
- IMS-PRO-017 Environment Incident Reporting Procedure
- IMS-PRO-067 Lessons Learnt Procedure

2.5 Complaints

2.5.1 The company has a Complaints Procedure, which forms part of the management system for the site. Specific procedures relevant to this will be:

- IMS-FRM-001 You Said We Did Form

2.6 Staff training and competence

2.6.1 The documented managements systems will include training requirements for all relevant staff which cover:

- awareness of the regulatory implications of the Permit for the activity and their work activities;
- awareness of all potential environmental effects from operation under normal and abnormal circumstances;
- awareness of the need to report deviation from the Permit; and
- prevention of accidental emissions and action to be taken when accidental emissions occur.

2.6.2 The skills and competencies necessary for key posts should be documented and records of training needs and training received for these posts maintained. The key posts will include contractors and those purchasing equipment and materials.

2.6.3 The potential environmental risks posed by the work of contractors should be assessed and instructions provided to contractors about protecting the environment while working on site.

2.6.4 Where industry standards or codes of practice for training exist they should be complied with.

2.6.5 Training is provided so that all workers have a satisfactory understanding of their duties in relation to environmental and health & safety issues on site.

2.6.6 Specific procedures relevant to this will be:

- IMS-PRO-001 Training - Planning Procedure
- IMS-PRO-003 Training - Employee New and Existing Procedure
- IMS-PRO-029 Agency Worker Induction Procedure
- IMS-PRO-103 Change of Manager Handover Induction Procedure
- IMS-FRM-101 Change of Manager Form
- IMS-FRM-017 Agency Worker Induction Checklist
- IMS-PRO-067 Lessons Learnt Procedure
- IMS-FRM-060 Working with Waste Form

2.6.7 FCC Environment has recently introduced a Competency Management System (CMS), which has been certified by its accrediting body (Appendix 1).

2.6.8 The Competency Management System is an alternative mechanism to the Certificate of Technical Competence (COTC) / Technically Competent Management (TCM) regime for demonstrating competence at sites with environmental permits.

2.6.9 Primarily, employees who are part of the CMS Scheme (Managers, Supervisors, Technicians, Advisors etc) are required to:

- Satisfactorily complete their CMS assessments within the timeframe set out by their assessor,
- Review and maintain their competency through a process of Continued Professional Development (CPD), i.e. attendance on both Permit Compliance and Duty of Care courses which should be refreshed every 3 years.
- Submit CPD records during IDS review for discussion with line manager
- Be familiar with and operate in accordance with the requirements of the relevant IMS procedures (detailed below) and their associated user guides and forms.
- Update relevant site documents and procedures including management plans and working plans to reflect the changes

2.6.10 Management procedures relating to the competency scheme are:

- IMS-FRM-170 CMS Standardisation Meeting Agenda
- IMS-POL-007 Competence Management System Policy 2019
- IMS-PRO-086 Continued Professional Development Procedure
- IMS-PRO-087 CMS Planning Procedure
- IMS-PRO-168 Performance Monitoring And Measurement Procedure
- IMS-UG-030 CMS User Guide
- IMS-UG-054 CMS Assessment Strategy User Guide
- IMS-UG-055 Introduction To Task Books

2.6.11 A copy of the Competency Management System Policy is contained within Appendix 1.

2.7 Odour, dust, noise and emissions management

2.7.1 The management system includes measures that will be taken to manage odour, dust, noise and emissions.

2.7.2 In addition, the technical standards proposed for the management of dust, odour, noise and other emissions, which were identified through the following documents for this application, will form part of the management system for the site:

- Amenity & Accidents Risk Assessment ref. 5193-CAU-XX-XX-RP-V-0310
- Dust & Emissions Management Plan ref. 5193-CAU-XX-XX-RP-V-0313
- Odour Management Plan ref. 5193-CAU-XX-XX-RP-V-0314

2.7.3 The management measures are supported by the daily checks which are carried out by the technically competent managers who will consider the most appropriate action to take.

2.7.4 Specific procedures relevant to this will be:

- STC WI 004 Soil Treatment and Process Monitoring Procedure
- STC WI 007 Environmental Monitoring
- STC WI 008 Biofilter Maintenance and Monitoring
- STC WI 009 Process Water Monitoring
- STC WI 010 Pad and Equipment Maintenance
- STC WI 011 Processing of Asbestos Contaminated Soils
- STC WI 014 GCL Pad Maintenance
- IMS-FRM-019 Environmental Aspects and Impacts Form
- IMS-FRM-025 Daily Monitoring Form
- IMS-FRM-065 Environmental Monitoring Non-Conformance Form
- IMS-FRM-068 Emergency Management Plan
- IMS-PRO-005 CAR Response Procedure
- IMS-PRO-013 Accident and Incident Reporting Procedure
- IMS-PRO-014 Preventive and Corrective Action
- IMS-PRO-016 Aspects and Impacts Procedure
- IMS-PRO-044 Environmental Monitoring Procedure
- IMS-PRO-051 Environmental Installation Checks Procedure
- IMS-PRO-062 Control of Noise at Work Procedure
- IMS-PRO-089 Waste Acceptance Procedure
- IMS-PRO-093 Amenity Impact Control Procedure
- IMS-PRO-094 Waste Handling Procedure
- IMS-PRO-101 Monthly Site Inspection Procedure
- IMS-UG-015 Permit Breach Notification Guidance
- IMS-UG-016 Environmental Permit Installation Checks Guidance
- IMS-UG-017 Landfill Monitoring and Analysis Guidance
- IMS-UG-018 Environmental Aspects Assessment Guide

2.8 Documentation of legislative and other requirements

2.8.1 Copies of planning permissions, environmental permits and other relevant permissions are kept either as paper records or electronically.

2.8.2 The technically competent managers keep up-to-date with other legal requirements and changes to relevant environmental legislation through trade magazines and the Environment Agency website.

- IMS-UG-042 Site Filing System Guidance
- IMS-UG-006 Information Area Guide
- IMS-UG-001 IMS1 Document Library User Guide

2.9 Management reviews

2.9.1 Management periodically review the environmental performance of the company through their review of environmental audit reports and the daily site records.

2.9.2 The environmental policy statement is also reviewed periodically to ensure it reflects the company's operations and its environmental objectives.

2.9.3 Specific procedures relevant to this will be:

- IMS-PRO-067 Lessons Learnt Procedure
- IMS-FRM-007 FCC Objectives and Target Report Template
- IMS-PRO-006 Management Review Procedure
- IMS-FRM-003 Management Review Agenda
- IMS-FRM-004 Management Review Meeting Minutes Template
- IMS-FRM-007 FCC Objectives and Target Report Template

APPENDIX 1

CMS and EMS Certificates

Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

FCC Environment (UK) Ltd
3 Sidings Court
White Rose Way
Doncaster
DN4 5NU
United Kingdom

Holds Certificate Number: EMS 592767

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.

For and on behalf of BSI:

Matt Page, Managing Director Assurance - UK & Ireland

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

UKAS MANAGEMENT SYSTEMS 0003

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd 3 Sidings Court White Rose Way Doncaster DN4 5NU United Kingdom	Office
FCC Environment (UK) Ltd Rawcliffe Road Airmyn Goole DN14 6XB United Kingdom	HWRC
FCC Environment (UK) Ltd Oaklands Gravel Pit Common Road Aldeby Beccles NR34 0BL United Kingdom	Landfill
FCC Environment (UK) Ltd Cotes Park Industrial Estate Cotes Park Lane Somercotes Alfreton DE55 4NJ United Kingdom	Transfer Station & MRF
FCC Environment (UK) Ltd Allerton Park Knaresborough HG5 0SD United Kingdom	Landfill
FCC Environment (UK) Ltd Laverstock Road 20/20 Business Park Allington Maidstone ME16 0LE United Kingdom	Transfer Station and EFW

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Armthorpe Road Pot Hill Doncaster DN2 5QB United Kingdom	HWRC
FCC Environment (UK) Ltd Thwaite Flat Barrow-in-Furness LA14 4QH United Kingdom	Landfill and Transfer Station
FCC Environment (UK) Ltd East Winch Road Mill Drove Blackborough End Peterborough PE32 1SW United Kingdom	Landfill and MRF
FCC Environment (UK) Ltd Alsing Road Tinsley Sheffield S9 1HF United Kingdom	Liquid Waste Treatment
FCC Environment (UK) Ltd Guernsey Road Bletchley Milton Keynes MK3 5FR United Kingdom	Landfill.
FCC Environment (UK) Ltd Bootham Lane Dunscroft Doncaster DN7 4JT United Kingdom	HWRC

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Slippery Gowt Lane Wyberton Boston PE21 7AA United Kingdom	HWRC
FCC Environment (UK) Ltd York Road Burton Salmon Leeds LS25 5JW United Kingdom	Quarry
FCC Environment (UK) Ltd Brymbo Site, Off Solvay Bank Wrexham Road Broughton Wrexham LL11 5NR United Kingdom	HWRC
FCC Environment (UK) Ltd Bryn Lane Wrexham Industrial Estate Bry Wrexham LL13 9UT United Kingdom	HWRC, Composting (IVC), TS & MRF
FCC Environment (UK) Ltd Weston Lane Bubbenhall Coventry CV8 3BN United Kingdom	Landfill
FCC Environment (UK) Ltd Station Farm Brampton Road Buckden St. Neots PE19 5UH United Kingdom	Landfill

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Marfleet Lane Hull HU9 5SD United Kingdom	HWRC
FCC Environment (UK) Ltd Federation Road Stoke-on-Trent ST6 4HU United Kingdom	HWRC
FCC Environment (UK) Ltd Rougham Road Bury St. Edmunds IP33 2RN United Kingdom	HWRC
FCC Environment (UK) Ltd Brackley Lane Calvert Buckingham MK18 2HF United Kingdom	Landfill
FCC Environment (UK) Ltd Bentley Moor Lane Adwick-le-Street Doncaster DN6 7BD United Kingdom	HWRC
FCC Environment (UK) Ltd Moor Lane Carnaby Bridlington YO16 4UU United Kingdom	Transfer Station
FCC Environment (UK) Ltd Barbot Hall Cottage Greasbrough Road Rotherham S61 4QL United Kingdom	HWRC

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Atherton Wigan M46 9BP United Kingdom	HWRC
FCC Environment (UK) Ltd Sheepbridge Business Park Sheepbridge Chesterfield S41 9QD United Kingdom	Transfer Station
FCC Environment (UK) Ltd Chirk Landfill Pen-y-Bent Works Pentre Wrexham LL14 5AR United Kingdom	Landfill
FCC Environment (UK) Ltd Off Crabtree Road Stainby Grantham NG33 5QT United Kingdom	Landfill
FCC Environment (UK) Ltd Crookhill Road Conisbrough Doncaster DN12 2AE United Kingdom	HWRC
FCC Environment (UK) Ltd Longwater Business Park Costessey Norwich NR5 0TL United Kingdom	Transfer Station

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Gawsworth Macclesfield SK11 9QP United Kingdom	Landfill, Leachate Treatment Plant, Transfer Pad and Transfer Station
FCC Environment (UK) Ltd Daneshill Road Lound Retford DN22 8RB United Kingdom	Landfill
FCC Environment (UK) Ltd Raynesway Park Drive Derby DE21 7BA United Kingdom	Transfer Station.
FCC Environment (UK) Ltd Linch Hill Stanton Harcourt Oxford OX29 5BB United Kingdom	Landfill, Transfer Station and HWRC
FCC Environment (UK) Ltd Welland Road Dogsthorpe Peterborough PE1 3TD United Kingdom	Landfill
FCC Environment (UK) Ltd Kelleythorpe Industrial Estate Driffield YO25 9DJ United Kingdom	HWRC
FCC Environment (UK) Ltd Incinerator Road Off Meadow Lane Nottingham NG2 3JH United Kingdom	EfW

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Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Eaton Green Road Luton LU2 9HB United Kingdom	HWRC
FCC Environment (UK) Ltd Starnhill Close Ecclesfield Sheffield S35 9TG United Kingdom	Liquid Waste Treatment
FCC Environment (UK) Ltd Portway Road Rowley Regis Warley B65 9BT United Kingdom	Landfill and Soils Treatment Centre
FCC Environment (UK) Ltd Carr Road Felixstowe IP11 3UT United Kingdom	HWRC
FCC Environment (UK) Ltd Unit 4 Gamma Terrace Masterlord Village West Rd, Ransomes Euro Park Ipswich IP3 9FF United Kingdom	Contract Office
FCC Environment (UK) Ltd Market Weighton Road Holme-on-Spalding-Moor York YO43 4ED United Kingdom	Landfill & HWRC

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Nicholas Lane Goldthorpe Barnsley S63 9AS United Kingdom	HWRC
FCC Environment (UK) Ltd Ince Lane Wimbolds Trafford Chester CH2 4JP United Kingdom	Landfill & Composting
FCC Environment (UK) Ltd Croakett Way Hadleigh Ipswich IP7 6AH United Kingdom	HWRC
FCC Environment (UK) Ltd Homefield Road Haverhill CB9 8QP United Kingdom	Transfer Station
FCC Environment (UK) Ltd Coupals Road Haverhill CB9 7UR United Kingdom	HWRC
FCC Environment (UK) Ltd Atwick Road Hornsea HU18 1DZ United Kingdom	HWRC
FCC Environment (UK) Ltd Ferriby Road Hessle HU13 0JE United Kingdom	HWRC

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Queens Road Immingham DN40 1QR United Kingdom	Landfill and RO Plant
FCC Environment (UK) Ltd Portmans Walk Ipswich IP1 2DW United Kingdom	HWRC
FCC Environment (UK) Ltd Tuttle Hill Nuneaton CV10 0HU United Kingdom	HWRC
FCC Environment (UK) Ltd Tattershall Road Kirkby-on-Bain LN10 6YN United Kingdom	Landfill & HWRC
FCC Environment (UK) Ltd Makerfield Way Ince Wigan WN2 2PP United Kingdom	HWRC, Transfer Station MRF and Leachate Treatment Plant
FCC Environment (UK) Ltd Knostrop Lane Knostrop Leeds LS9 0PJ United Kingdom	Liquid Waste Treatment
FCC Environment (UK) Ltd Pottergate Leadenham Lincoln LN5 0QF United Kingdom	Landfill & pre-treatment facility

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Lovers Lane Leiston IP16 4UJ United Kingdom	HWRC
FCC Environment (UK) Ltd Lidget Lane Ravenfield Rotherham S65 4LY United Kingdom	HWRC
FCC Environment (UK) Ltd Dixon House Joseph Noble Road Lillyhall Workington CA14 4JH United Kingdom	Landfill & Leachate Treatment Plant
FCC Environment (UK) Ltd Abergele Road Llanddulas Conwy LL22 8HP United Kingdom	Landfill
FCC Environment (UK) Ltd Longshot Industrial Estate Longshot Lane Bracknell RG12 1RL United Kingdom	HWRC, Transfer Station, MRF and Depot
FCC Environment (UK) Ltd South Lowestoft Industrial Estate Lowestoft NR33 7NF United Kingdom	HWRC and Transfer Station
FCC Environment (UK) Ltd Kingsway Luton LU4 8AU United Kingdom	Transfer Station and MRF

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Common Road North Anston Rotherham S25 4AH United Kingdom	HWRC
FCC Environment (UK) Ltd Maw Green Road Coppenhall Crewe CW1 5NG United Kingdom	Landfill and Soil Treatment
FCC Environment (UK) Ltd Middlemarch LF Middlemarsh Burgh le Marsh PE24 5AD United Kingdom	Landfill
FCC Environment (UK) Ltd Off A1065 Mildenhall IP28 7JQ United Kingdom	HWRC
FCC Environment (UK) Ltd Butt Lane Milton Cambridge CB24 6DQ United Kingdom	Landfill
FCC Environment (UK) Ltd Whisby Road North Hykeham Lincoln LN6 3QZ United Kingdom	Landfill and IBA

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Lower Road Brambledown Isle of Sheppey ME12 3AJ United Kingdom	Landfill
FCC Environment (UK) Ltd Walney Road Barrow-in-Furness LA14 5UY United Kingdom	Depot and MRF
FCC Environment (UK) Ltd Sheffield Road Springvale Penistone Barnsley S36 6HJ United Kingdom	HWRC
FCC Environment (UK) Ltd Station Road Southfleet DA13 9PA United Kingdom	HWRC, Transfer Station & Depot
FCC Environment (UK) Ltd Plas Madoc Site Wynnstay Industrial Estate Acrefair Wrexham LL14 3ES United Kingdom	HWRC
FCC Environment (UK) Ltd Burnby Lane Pocklington York YO42 1UJ United Kingdom	HWRC

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Staithes Road Preston Hull HU12 8TD United Kingdom	HWRC
FCC Environment (UK) Ltd Progress Way Luton LU4 9TR United Kingdom	HWRC
FCC Environment (UK) Ltd Tivetshall St. Margaret Diss NR15 2BA United Kingdom	Transfer Station
FCC Environment (UK) Ltd Rhyd Y Fro Pontardawe Swansea SA8 4RX United Kingdom	Landfill
FCC Environment (UK) Ltd Freckenham Bury St. Edmunds IP28 8LG United Kingdom	Transfer Station & Composting
FCC Environment (UK) Ltd Chorley Road Standish Wigan WN1 2XJ United Kingdom	Landfill
FCC Environment (UK) Ltd Bankwood Lane Industrial Estate Rossington Doncaster DN11 0PS United Kingdom	HWRC

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Shipdham Airfield Industrial Estate Dereham IP25 7SD United Kingdom	Transfer Station
FCC Environment (UK) Ltd Slag Lane Wigan WA3 1BT United Kingdom	HWRC
FCC Environment (UK) Ltd Smallmead Island Road Reading RG2 0RP United Kingdom	Office
FCC Environment (UK) Ltd Smithies Lane Smithies Barnsley S71 1NL United Kingdom	HWRC
FCC Environment (UK) Ltd Springwell Lane Balby Doncaster DN4 9AX United Kingdom	HWRC
FCC Environment (UK) Ltd Grange Lane Cotham NG24 3JJ United Kingdom	Landfill
FCC Environment (UK) Ltd Old Bury Road Stowmarket IP14 1JQ United Kingdom	HWRC

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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Sandy Lane Sudbury CO10 7HG United Kingdom	HWRC
FCC Environment (UK) Ltd Appleford Sidings Sutton Courtenay Abingdon OX14 4PJ United Kingdom	Composting, transfer station and transport office
FCC Environment (UK) Ltd Sutton Fields Industrial Estate Kingston Upon Hull HU7 0XF United Kingdom	HWRC
FCC Environment (UK) Ltd Swanton Road Mill Cross Norwich NR2 4LH United Kingdom	HWRC & Transfer Station
FCC Environment (UK) Ltd Burrell Way Thetford IP24 3QS United Kingdom	Transfer Station
FCC Environment (UK) Ltd Warren Vale Road Rawmarsh Rotherham S62 7RW United Kingdom	HWRC
FCC Environment (UK) Ltd Weel Road Weel Beverley HU17 0SQ United Kingdom	HWRC

Original Registration Date: 2010-07-18
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Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Boundary Lane Normanton WF6 2JA United Kingdom	Landfill
FCC Environment (UK) Ltd Kettering Road Weldon NN17 3JG United Kingdom	Landfill
FCC Environment (UK) Ltd West Street Worsbrough Barnsley S70 5DJ United Kingdom	HWRC
FCC Environment (UK) Ltd Alco Waste Management Stephenson Industrial Eastate Willowholme Carlisle CA2 5RS United Kingdom	Transfer Station, MRF, Collections and Kerbside Recycling
FCC Environment (UK) Ltd Cleveland Street Hull HU8 7AU United Kingdom	Transfer Station
FCC Environment (UK) Ltd Wiltshire Road Industrial Estate Wiltshire Road Hull HU4 6PA United Kingdom	HWRC
FCC Environment (UK) Ltd Coleby Road Weston Halton Winterton DN15 9AP United Kingdom	Landfill & Leachate Treatment Plant

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Coleby Road Weston Halton Winterton DN15 9AP United Kingdom	Landfill
FCC Environment (UK) Ltd Hull Road Withernsea HU19 2EE United Kingdom	HWRC
FCC Environment (UK) Ltd Solway House Moss Bay Road Workington CA14 3XH United Kingdom	Collections, Recycling, MOT Station, Street Cleansing
FCC Environment (UK) Ltd Meikle Drumgray Road Greengairs Airdrie ML6 7TD United Kingdom	Landfill
FCC Environment (UK) Ltd Welham Lane Game Farm Welham Lane Great Bowden Leicester LE16 7FN United Kingdom	Transfer station
FCC Environment (UK) Ltd Grafton Depot Ross Road Redhill Hereford HR2 8BH United Kingdom	Depot

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Hameldown Business Park Hameldown Road Okehampton EX20 1FL United Kingdom	Depot
FCC Environment (UK) Ltd West Wiltshire Service Centre Riverway Depot Trowbridge BA14 8LL United Kingdom	Depot
FCC Environment (UK) Ltd Unit 1 Dawes Way, Off Abbey View Road Pinvin Pershore WR10 2FD United Kingdom	Depot
FCC Environment (UK) Ltd Barnsdale Bar Quarry Long Lane Kirk Smeaton Pontefract WF8 3JX United Kingdom	Quarrying
FCC Environment (UK) Ltd Darrington Leys Cridling Stubbs Knottingley WF11 0AH United Kingdom	Quarrying
FCC Environment (UK) Ltd Hensall Sand Quarry New Road Hensall DN14 0RD United Kingdom	Quarrying

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Amersham London Road East Amersham HP7 9DT United Kingdom	HWRC
FCC Environment (UK) Ltd Aston Clinton Household Waste Recycling College Road North Aston Clinton HP22 5EZ United Kingdom	HWRC
FCC Environment (UK) Ltd Aylesbury Household Waste Recycling Rabans Close Rabans Lane Industrial Area Aylesbury HP19 8RS United Kingdom	HWRC
FCC Environment (UK) Ltd Beaconsfield Household Waste Recycling A40 London Road Lower Pyebushes Beaconsfield HP9 2XB United Kingdom	HWRC
FCC Environment (UK) Ltd Bledlow Ridge Household Waste Recycling Wigans Lane Bledlow Ridge High Wycombe HP14 4BH United Kingdom	HWRC

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Buckingham Household Waste Recycling Yonder Slade Buckingham Industrial Estate Buckingham MK18 1RZ United Kingdom	HWRC
FCC Environment (UK) Ltd Burnham Household Waste Recycling Crowpiece Lane Farnham Royal Slough SL2 3TG United Kingdom	HWRC
FCC Environment (UK) Ltd Chesham Household Waste Recycling Latimer Road Chesham HP5 1TL United Kingdom	HWRC
FCC Environmental (UK) Ltd High Wycombe Household Waste Recycling Clay Lane Booker Marlow SL7 3DJ United Kingdom	HWRC
FCC Environment (UK) Ltd Langley Household Waste Recycling Langley Park Road Langley Slough SL3 6DD United Kingdom	HWRC

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Foxhall Road Brightwell Ipswich IP10 0HT United Kingdom	Operation of a HWRC
FCC Environment (UK) Ltd Newcastle Staffs CC HWRC Leycett Lane Leycett Newcastle ST5 6AD United Kingdom	HWRC
FCC Environment (UK) Ltd Uttoxeter Staffs CC HWRC Pennycroft Lane Uttoxeter ST14 7BW United Kingdom	HWRC
FCC Environment (UK) Ltd Lincoln EfW Whisby Road North Hykeham Lincoln LN6 3QW United Kingdom	EfW
FCC Environment (UK) Ltd 5 Chapterhouse Close Ellesmere Port CH65 4EP United Kingdom	MRF
FCC Environment (UK) Ltd Greatmoor EfW Greatmoor Road Woodham Aylesbury HP18 0QE United Kingdom	EfW

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Ltd Unit 81 Bison Place Moss Side Industrial Estate Leyland PR26 7QR United Kingdom	Collections (Depot)
FCC Environment (UK) Ltd High Heavens Transfer Station Clay Lane Booker High Wycombe SL7 3DJ United Kingdom	Transfer Station
FCC Environment (UK) Ltd Stretton Way Huyton Industrial Estate Huyton Merseyside L36 6JF United Kingdom	MRF
FCC Recycling (UK) Briton Ferry Briton Ferry Industrial Estate Neath Port Talbot SA11 2HQ United Kingdom	HWRC & Transfer Station
FCC Recycling (UK) Sundridge Hill Cuxton Rochester ME2 1LF United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Recycling (UK) Margam Street Cymmer Neath Port Tablot SA13 3EE United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Recycling (UK) Portway Road Rowley Regis Warley B65 9BT United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Recycling (UK) Broad Oak Road Canterbury CT2 0PR United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Recycling (UK) North Orbital Road Watford WD25 0PR United Kingdom	Transfer Station & Depot
FCC Recycling (UK) Dark Lane Burton Rossett LL12 0AE United Kingdom	Landfill
FCC Recycling (UK) Gardden Lodge Tatham Road Ruabon LL14 6RF United Kingdom	Landfill
FCC Recycling (UK) Pools Road Witchford CB6 2JE United Kingdom	Landfill
FCC Recycling (UK) Burymead Road Hitchin SG5 1RT United Kingdom	Transfer Station

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Limited Mill Lane Arlesey SG15 6RF United Kingdom	Landfill
FCC Environment (UK) Limited Forrest Way Off Old Liverpool Road Sankey Bridges Warrington WA4 6YZ United Kingdom	Landfill
FCC Environment (UK) Limited Long Lane Kirk Smeaton Pontefract WF8 3JX United Kingdom	Landfill
FCC Environment (UK) Limited Brailwood Road Bilsthorpe Newark NG22 8UA United Kingdom	Landfill
FCC Environment (UK) Limited Woburn Road Brogborough MK43 0TN United Kingdom	Landfill
FCC Environment (UK) Limited Main Street Newhall Swadlincote Derbyshire DE11 0TP United Kingdom	Landfill

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Limited Ollerton Road Arnold Nottinghamshire NG5 8PR United Kingdom	Landfill
FCC Environment (UK) Limited Bridlington Bay Road Carnaby Bridlington North Yorkshire YO16 4UU United Kingdom	Landfill
FCC Environment (UK) Limited Bacup Road Cliviger Burnley Lancashire BB11 3RL United Kingdom	Leachate Treatment Plant
FCC Environment (UK) Limited Drummond Moor Rosewell Midlothian EH26 8QF United Kingdom	Landfill
FCC Environment (UK) Limited The Oakery Lodge Road Feltwell Thetford Norfolk IP26 4DR United Kingdom	Landfill
FCC Environment (UK) Limited Lea Road Gainsborough Lincolnshire DN21 1AP United Kingdom	Landfill

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Limited Bradley Court Road Hermitage Newbury Berkshire RG18 9XZ United Kingdom	Landfill
FCC Environment (UK) Limited London Road Louth Lincolnshire LN11 9QP United Kingdom	Landfill
FCC Environment (UK) Limited Hundred Road March Cambridgeshire PE15 8QN United Kingdom	Landfill
FCC Environment (UK) Limited Straight Lane Skelbrooke Doncaster South Yorkshire DN6 8LX United Kingdom	Landfill
FCC Environment (UK) Limited Hall Lane Staveley Derbyshire S43 3TP United Kingdom	Landfill
FCC Environment (UK) Limited Green Lane Stewartby Bedfordshire MK43 9LY United Kingdom	Landfill & Leachate Treatment Plant

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment (UK) Limited Thurcroft Landfill Cumwell Lane Rotherham South Yorkshire S66 8PU United Kingdom	Landfill
FCC Environment (UK) Limited Thorpe Road Whisby Lincolnshire LN6 9BT United Kingdom	HWRC
FCC Environment (UK) Limited Bridge Street Leominster Herefordshire HR6 8EA United Kingdom	Depot
FCC Environment (UK) Limited Chelveston Renewable Energy Park Wellingborough Northamptonshire NN9 6AN United Kingdom	Transfer Station
FCC Environment (UK) Limited Bootham Lane Landfill Dunscroft Doncaster DN7 4JT United Kingdom	Landfill
FCC Environment (UK) Limited Lidice Road Goole DN14 6XL United Kingdom	Transfer Station

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment Peterborough HWRC Dodson House Fengate PE1 5XG United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Environment Ivybridge Collections Bridge Court Ermington Road Ivybridge PL21 9EY United Kingdom	Depot
FCC Environment Torr Quarry TS East Allington Kingsbridge TQ9 7QQ United Kingdom	Transfer Station & Depot
FCC Environment Amesbury HWRC Mills Way Amesbury Salisbury SP4 7RX United Kingdom	HWRC
FCC Environment Devizes HWRC Hopton Industrial Estate Hopton Road Devizes SN10 2EU United Kingdom	The provision of a Household Waste Recycling Centre service.
FCC Environment Devizes Transport & Office Hopton Industrial Estate Hopton Road Devizes SN10 2EU United Kingdom	The provision of a waste collection service from company operated HWRCs for onward transportation to waste receiving sites. Administration related to the operation of company operated HWRCs.

Original Registration Date: 2010-07-18
Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment Marlborough HWRC Marlborough Business Park Salisbury Road Marlborough SN4 4AN United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Environment Melksham HWRC Lancaster Road Bowerhill Ind Estate Melksham SN12 6QT United Kingdom	HWRC
FCC Environment Salisbury HWRC Stephenson Road Churchfields Ind Estate Salisbury SP2 7NP United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Environment Stanton St Quintin HWRC Sutton Benger Road Chippenham SN14 6BD United Kingdom	HWRC
FCC Environment Trowbridge HWRC Canal Road Trowbridge BA14 8RQ United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Environment Warminster HWRC Furnax Lane Warminster BA12 8PE United Kingdom	HWRC

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment Avely LF Sandy lane Avely RM15 4XL United Kingdom	Landfill
FCC Environment Barnstone Bar LF Coach Gap Lane Nottingham NG13 9HP United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.
FCC Environment Dorket Head LF Woodborough Lane Arnold NG5 8PZ United Kingdom	Landfill
FCC Emvironment Humberfield LF Ferriby Road Hessle HU13 0JL United Kingdom	Landfill
FCC Environment Offham LF Whiteladies Teston Road West Malling ME19 5NR United Kingdom	Landfill
FCC Environment Ongar LF Mill Lane High Ongar CM5 9RQ United Kingdom	Landfill

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment Salthouse Road Barrow-in-Furness LA14 2AG United Kingdom	Depot
FCC Environment Stangate LF Quarry Hill Road Borough Green TN15 8RQ United Kingdom	Landfill
FCC Environment Sutton Courtenay LF Appleford Sidings Abingdon OX14 4PW United Kingdom	Landfill
FCC Environment Kaimes LF Kirknewton EH17 8EF United Kingdom	Landfill
FCC Environment Oatslie LF Oatslie sand Oit Cleugh Road Roslin EH25 9QN United Kingdom	Landfill
FCC Environment Sutton LF Huthwaite Road Sutton-in-Ashfield NG17 2NW United Kingdom	Landfill

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment Collections 44-46 Broomhill Road Bonnybridge Falkirk FK4 2AN United Kingdom	Depot
FCC Environment Haye Down Industrial Estate Nr Tavistock PL19 0NN United Kingdom	Depot
FCC Environment Edinburgh & Midlothian Residual Waste Facility Former Millerhill Mashalling Yard Whitehill Road Edinburgh EH22 1SX United Kingdom	EfW
FCC Environment Plot 6 Atlantic Estate Barry CF63 3RF United Kingdom	HWRC
FCC Environment Unit 55 Gluepot Road Llandow Trading Estate Llandow CF71 7PB United Kingdom	HWRC
FCC Environment Marlborough Business Park Salisbury Road Marlborough SN8 4AE United Kingdom	HWRC

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Certificate No: EMS 592767

Location	Registered Activities
FCC Environment Dodson House Fengate Peterborough PE1 5FS United Kingdom	HWRC
FCC Environment Stephenson Road Churchfields Industrial Estate Salisbury SP2 7BU United Kingdom	HWRC
FCC Environment Panteg Way New Inn Pontypool NP4 0LS United Kingdom	HWRC, Transfer Station and Re-use Shop

Original Registration Date: 2010-07-18
Effective Date: 2022-02-12
Latest Revision Date: 2022-04-04
Expiry Date: 2025-02-11

Current Issue Date: 21 April 2022
Expiry Date: 13 March 2024
Certificate Identity Number: 10440205

Original approval(s):
CMS - 14 March 2018

Certificate of Approval

This is to certify that the Management System of:

FCC Recycling (UK) Limited t/a FCC Environment (UK) Ltd

3 Sidings Court, White Rose Way, Doncaster, DN4 5NU, United Kingdom

has been approved by LRQA to the following standards:

Competence Management System - Energy & Utility Skills (Private Standard) Version 4

Approval Number(s): CMS – 00014056

The scope of this approval is applicable to:

The operation of a Competence Management System for the management and operation of FCC sites with a waste management permit or exemption, excluding those associated with Liquid/Chemical Waste Treatment, Quarries, Energy from Waste and Collection Sites.

David Derrick

Area Operations Manager UK & Ireland

Issued by: LRQA Limited

UKAS MANAGEMENT SYSTEMS
0001

Environment

Competence Management System (CMS) Policy

At FCC Environment we are committed to securing a competent workforce proficient in the delivery of their role responsibilities and ensuring compliance with all relevant legal & regulatory requirements.

FCC has chosen to implement the Operator Competence System developed by Energy & Utility Skills (EU Skills) and Environmental Services Association (ESA) 'Competence Management System' (CMS). The CMS is approved by DEFRA and the Environment Agency to satisfy the Environmental Permit competency requirement. This policy, along with the associated procedures, upholds our application of the Energy & Utility Skills Council Standard for Competence Management (CMS) and affirms our method for delivering technical competence across our operational activities. The FCC Competency Management System shall support; The Environmental Permitting Regulations.

People Focus

The FCC CMS will assure the company, individuals and external bodies that the workforce is competent and that competence for upholding regulatory requirements, process safety, and environmental protection in the workplace will be maintained. Through consistent assessment practice, we will evaluate knowledge, understanding & individual application of permit regulation and our management system procedures. Where skills gaps are identified we will be investing in our people and encouraging excellence, delivering training, experience and opportunities for development & progression. Our commitment to the CMS system will be communicated to employees across the business via designated communication links and it will formally recognise individual capabilities and contributions to the organisation.

Doing the Right Thing

We will set up designated methods to communicate our commitment to the CMS and monitor its effectiveness via a comprehensive Internal Quality Assurance program. Furthermore we will monitor our company compliance results and ensure regular review of our CMS to reflect the current scope and to capture any modifications to permit requirements, company objectives or changes in legislation.

The objectives of the CMS will be set annually to measure progress towards continuous improvement and meeting our commitments under the system.

The active scope for the CMS is:-

- To implement the CMS where there is a legislative requirement for technical competence cover on FCC's permitted and exempt facilities; (Landfill / HWRC / TS / MRF / Compost / WTD / IVC / MBT) by employing a phased assessment of competence of Managers, Supervisors Leachate Tehnicians and Landfill Compliance Advisors

The current CMS Objectives are to:-

- Approve the required criteria (Task Book) for assessment of candidates
  - Landfill Compliance Advisors
  - Leachate Technicians
- Review & revise (as required) Task Books to ensure the content of the CMS remains sufficient and relevant to all permit and legal requirements
- Review Assessment Practice to ensure standardisation and quality
- Review the effectiveness of the CMS in association with SHEQ reporting
- These objectives will be measured, monitored and progressed within senior management meetings and reported, along with any actions within the monthly CMS Report.

The CMS Targets are:-

- To complete stage 2 of CMS assessment of our supervisors at the permitted facilities, as listed above, by March 2019
- Complete Internal Quality Assurance of Stage 2 Assessments by September 2019

Ensure Conti Professional Development is maintained for all CMS certified employees

To comdlete the assessment of Landfill Compliance Advisors by February 2020

To ident a, prove the required competence criteria (Task Book) for Leachate Technicians

Paul Taylor
Chief Executive Office
FCC Environment)

Date:

WWW.CAULMERT.COM

Registered Office: InTec, Parc Menai, Bangor, Gwynedd, LL57 4FG
Tel: 01248 672666
Email: contact@caulmert.com
Web: www.caulmert.com

APPENDIX 2

TCM Certificates & Dates of Birth

Certificate No. OCC4246

Operator Competence Certificate

Qualification Title:

Managing Physical & Chemical Treatment - Hazardous Waste : Remediation of Contaminated Land - 4MPTHR

This Certificate is awarded to

Andrew Clee

Awarded: 22/10/2013

Authorised

CIWM Chief Executive Officer

This certificate is jointly awarded by WAMITAB and the Chartered Institution of Wastes Management (CIWM) and provides evidence to meet the Operator Competence requirements of the Environmental Permitting (EP) Regulations, which came into force on 6 April 2008.

The Chartered Institution of Wastes Management

00041135

wamitab

Certificate No: 13134

CERTIFICATE OF TECHNICAL COMPETENCE

This Certificate confirms that

Andrew Clee

Has demonstrated the standard of technical competence required for the management of a facility of the type set out below

Facility Type

Level 4 in Waste Management Operations - Managing

Treatment Hazardous Waste (Remediation 4TMHCL)

Authorising Signatures:

Chief Executive Officer

Director:

Date of issue: 22 October 2013

00020194

Continuing Competence Certificate

This certificate confirms that

Andrew Clee

Has met the relevant requirements of the Continuing Competence scheme for the following award(s) which will remain current for two years from 25/11/2021

TMH	Treatment - Hazardous Waste
TMNH	Treatment - Non Hazardous Waste
CLR	Contaminated Land Remediation

Expiry Date:

Verification date: 24/11/2021

Authorised:

Learner ID: 19274

Certificate No.: 5189050

Date of Issue: 25/11/2021

Director of Qualifications and Standards

CIWM Chief Executive Officer

The Chartered Institution of Wastes Management

WAMITAB

WASTE MANAGEMENT INDUSTRY TRAINING AND ADVISORY BOARD

CERTIFICATE No: 05700

CERTIFICATE OF TECHNICAL COMPETENCE

Jonathan Owens

has demonstrated the standard of technical competence required for the management of a facility of the type set out below

Level 4 in Waste Management Operations

Managing Treatment Hazardous Waste (4TMH)

Date of issue: 26 January 2004

Continuing Competence Certificate

This certificate confirms that

Jonathan Owens

Has met the relevant requirements of the Continuing Competence scheme for the following award(s) which will remain current for two years from 10/11/2022

TMH	Treatment - Hazardous Waste
CLR	Contaminated Land Remediation

Verification date: 03/11/2022

Authorised:

Learner ID: 10242

Certificate No.: 5210963

Date of Issue: 10/11/2022

CIWM Chief Executive Officer

The Chartered Institution of Wastes Management

Scan code on reverse to authenticate that this is a genuine paper

Maw Green Landfill Site - Variation Application

Soil Treatment Facility

Technical Persons Date of Birth

Name of TCM (Provectus Limited)	Date of birth
Jonathon Owens	08/11/1973
Andrew Clee	23/07/1985

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