

# Caulmert Limited

Engineering, Environmental & Planning  
Consultancy Services

**Maw Green Landfill Soils Treatment Facility**

**3C Waste Limited**

**Environmental Permit Variation Application**

**Supporting Document**

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## 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<sup>2</sup> 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 31<sup>st</sup> 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.

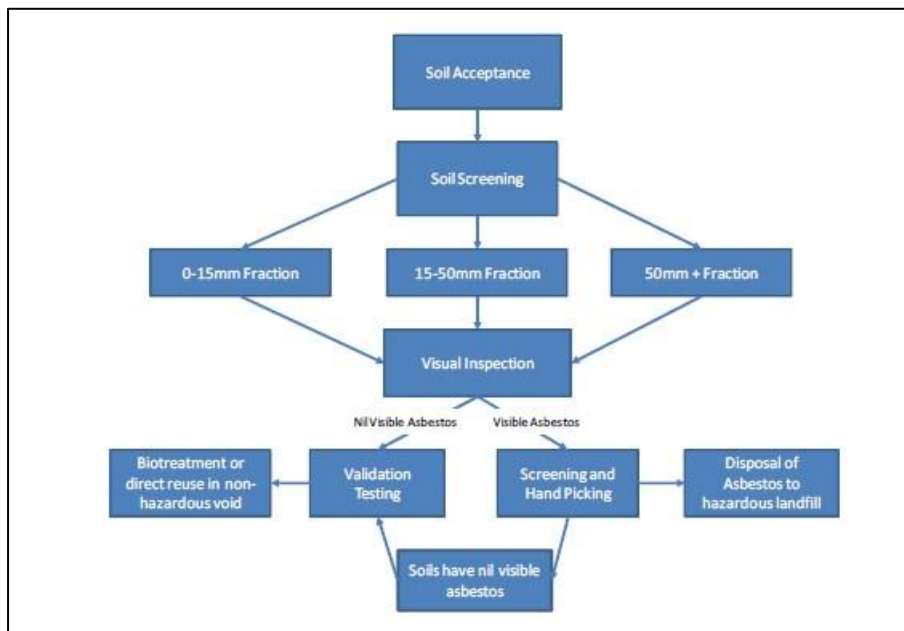
3.11.11 This application proposes new hazardous waste codes to be included in the permit for the STF for the acceptance of bonded asbestos contaminated soils:

- 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 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  $1 \times 10^{-9}$  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 31<sup>st</sup> 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
	<b>Total</b>	<b>£18,021</b>

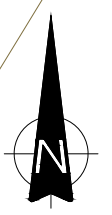
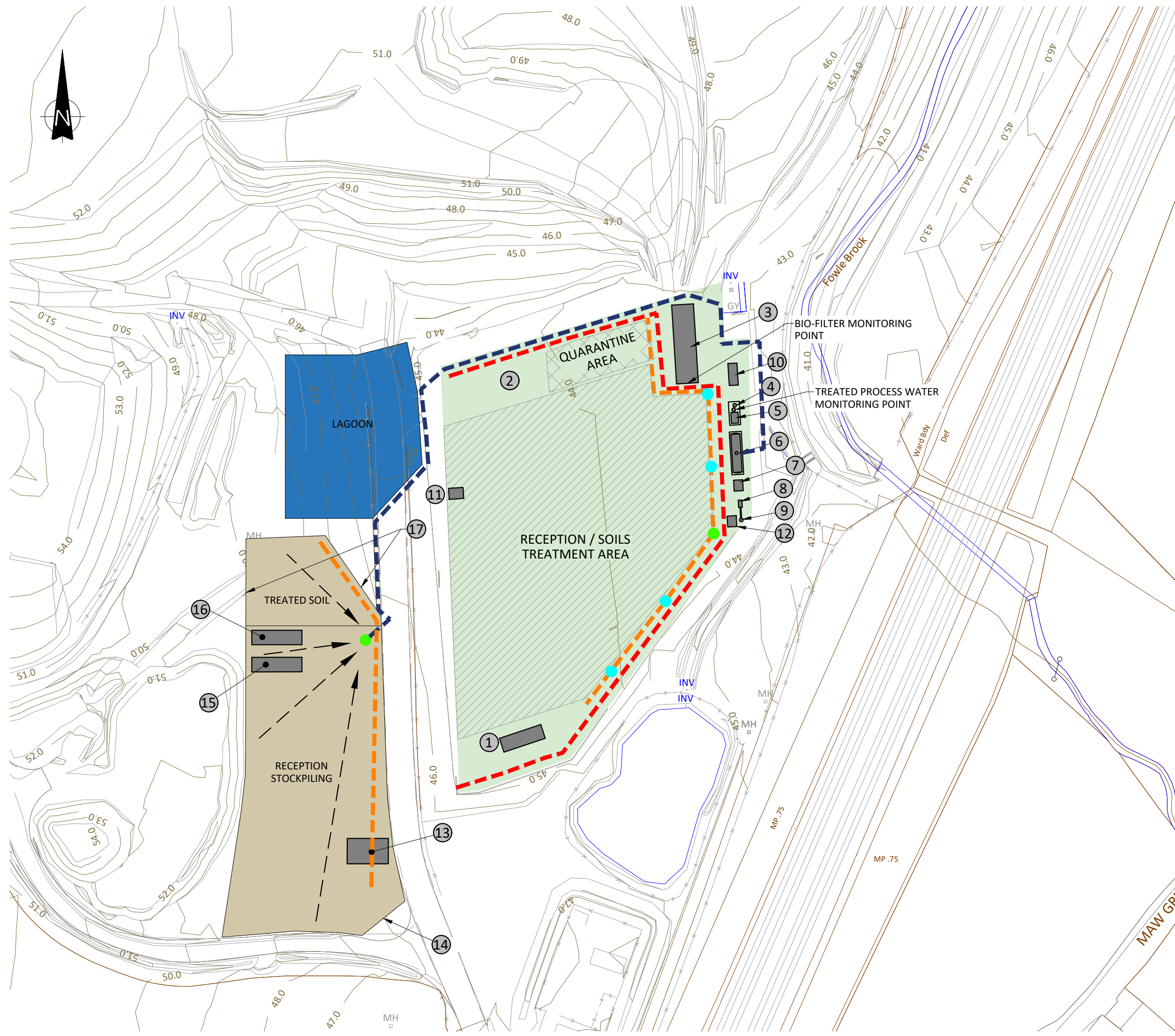
5.1.3 A BACS payment for the amount of **£18,021** has been made to the Environment Agency under BACS reference: **PSCAPPMWAG5193**. This may have been made under a bulk payment.

## **DRAWINGS**

**5193-CAU-XX-XX-DR-V-1805 Site Layout Plan**

**5193-CAU-XX-XX-DR-V-1807 New Treatment Area Location**

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- 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	STATUS
<b>FOR INFORMATION</b>	<b>S2</b>

CLIENT:  
**3C WASTE LIMITED**

PROJECT:  
**MAW GREEN  
SOILS TREATMENT FACILITY  
PERMIT VARIATION**

TITLE:  
**PROPOSED SITE LAYOUT PLAN**

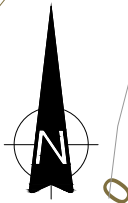
DESIGNED BY	DRAWN BY	REVIEWED BY	AUTHORISED BY
EJD	EJD	SH	SH
DATE	SCALE @ A3	JOB REF:	REVISION
19.10.2022	1:1000	5193	P02

DRAWING NUMBER  
**5193-CAU-XX-XX-DR-V-1805**



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

P01	ISSUED FOR INFORMATION	EJD	SH	SH	21.10.22
REV	MODIFICATIONS	BY	RE	AP	DATE
PURPOSE OF ISSUE <b>FOR INFORMATION</b>					STATUS <b>S2</b>
CLIENT: <b>3C WASTE LIMITED</b>					
PROJECT: <b>MAW GREEN SOILS TREATMENT FACILITY PERMIT VARIATION</b>					
TITLE: <b>NEW TREATMENT AREA LOCATION</b>					
DESIGNED BY <b>EJD</b>	DRAWN BY <b>EJD</b>	REVIEWED BY <b>SH</b>	AUTHORISED BY <b>SH</b>		
DATE <b>20.10.2022</b>	SCALE @ A3 <b>1:500</b>	JOB REF: <b>5193</b>	REVISION <b>P01</b>		
DRAWING NUMBER <b>5193-CAU-XX-XX-DR-V-1807</b>					

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# 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**

**Prepared by:**

**Caulmert Limited**

**Office:** Strelley Hall, Main Street, Strelley, Nottingham, NG8 6PE

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**Web:** [www.caulmert.com](http://www.caulmert.com)

**Document Reference:** 5193-CAU-XX-XX-RP-V-0315.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:** Management System Summary

**Document Ref:** 5193-CAU-XX-XX-RP-V-0315.A0.C1

**Report Status:** **Final**

**Project Manager:** Andy Stocks

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

<b>Author</b>	Samantha Hayden Environmental Consultant	<b>Date</b>	12/12/2022
<b>Reviewer</b>	Andy Stocks Director of Environment	<b>Date</b>	12/12/2022
<b>Approved</b>	Andy Stocks Director of Environment	<b>Date</b>	12/12/2022

Revision Log			
Revision	Description of Change	Approved	Effective Date
C1	Initial Release	AS	05/01/2023

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## Management System Summary

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### APPENDICES

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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

Page: 1 of 34



...making excellence a habit.™

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

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A Member of the BSI Group of Companies.



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

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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

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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

Original Registration Date: 2010-07-18

Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12

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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

Original Registration Date: 2010-07-18

Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12

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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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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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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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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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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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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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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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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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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

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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

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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

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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 ORD United Kingdom	Quarrying

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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

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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

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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

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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 Talbot SA13 3EE United Kingdom	Recycling, waste management and quarrying activities at operational recycling/waste management sites, vehicle depots, workshops and quarries.

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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

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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

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A Member of the BSI Group of Companies.

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

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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

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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

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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

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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

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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 Environment Humberfield LF Ferryby 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

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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

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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

Latest Revision Date: 2022-04-04

Effective Date: 2022-02-12

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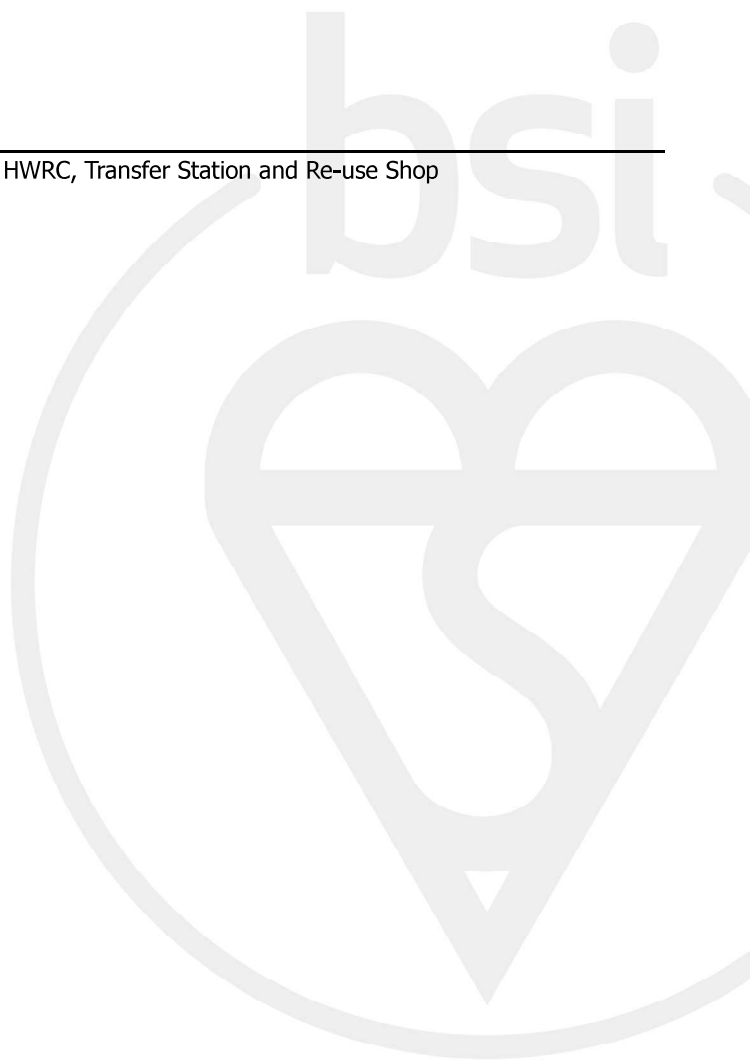
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Certificate No: EMS 592767

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

Latest Revision Date: 2022-04-04

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# 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



# 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 Technicians 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 Continued Professional Development is maintained for all CMS certified employees
- To complete the assessment of Landfill Compliance Advisors by February 2020
- To identify and approve the required competence criteria (Task Book) for Leachate Technicians

Paul Taylor  
Chief Executive Officer  
FCC Environment

Date: 16 January 2019

[WWW.CAULMERT.COM](http://WWW.CAULMERT.COM)



Registered Office: InTec, Parc Menai, Bangor, Gwynedd, LL57 4FG

**Tel:** 01248 672666

**Email:** [contact@caulmert.com](mailto:contact@caulmert.com)

**Web:** [www.caulmert.com](http://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**

A handwritten signature in blue ink, appearing to read "Alan James".

**WAMITAB Chief Executive Officer**

A handwritten signature in blue ink, appearing to read "John".

**CIWM Chief Executive Officer**



**The Chartered Institution  
of Wastes Management**

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.



00041135





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

A handwritten signature in black ink, appearing to read "A. Jones", written over a horizontal line.

Director:

A handwritten signature in black ink, appearing to read "P. Jones", written over a horizontal line.

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:**  
**25/11/2023**

Verification date: 24/11/2021

Authorised:

Learner ID: 19274

Certificate No.: 5189050

Date of Issue: 25/11/2021

A handwritten signature in black ink, appearing to read "A. Hockley".

Director of Qualifications and Standards

A handwritten signature in black ink, appearing to read "B. ...".

CIWM Chief Executive Officer



The Chartered Institution  
of Wastes Management



00160255



# WAMITAB

WASTE MANAGEMENT INDUSTRY TRAINING AND ADVISORY BOARD

CERTIFICATE No: 05700

## CERTIFICATE OF TECHNICAL COMPETENCE

*This Certificate confirms that*

Jonathan Owens

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 (4TMH)



Authorising Signatures:

Director General

*[Signature]*

Director

*[Signature]*

Date of issue:

26 January 2004





CIWM

# 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

Expiry Date:  
10/11/2024

Verification date: 03/11/2022

Authorised:

Professional Services Director

Learner ID: 10242

Certificate No.: 5210963

Date of Issue: 10/11/2022

CIWM Chief Executive Officer



The Chartered Institution  
of Wastes Management





**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

[WWW.CAULMERT.COM](http://WWW.CAULMERT.COM)



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