

Caulmert Limited

Engineering, Environmental & Planning
Consultancy Services

Maw Green Soil Treatment Facility
3C Waste Limited

Environmental Permit Variation Application

Supporting Document

Prepared by

Caulmert Limited

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APPROVAL RECORD

Site: Maw Green Soil Treatment Facility

Client: 3C Waste Limited

Operator: 3C Waste Limited

Project Title: Environmental Permit Variation Application

Document Ref: 5193-CAU-XX-XX-RP-V-0300.A0.C1

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C1	Initial Release	AS	14/12/2021

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**MAW GREEN LANDFILL - SOIL TREATMENT FACILITY – ENVIRONMENTAL PERMIT VARIATION
APPLICATION**

SUPPORTING DOCUMENT

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- 5193-CAU-XX-XX-DR-V-1801** Site Layout Plan
- 5193-CAU-XX-XX-DR-V-1803** STF Effluent Pipeline Route

1 INTRODUCTION

1.1 Application context

- 1.1.1 Caulmert Limited was appointed by 3C Waste Limited to undertake an environmental permit variation for permit ref. EPR/BS7722ID for Maw Green Soil Treatment Facility (STF), located at Maw Green Landfill Site. The permit holder for the STF is 3C Waste Limited, (hereafter referred to as 'the operator', which is a wholly owned subsidiary of FCC Environment Limited). The site is situated approximately 2.5km northeast of Crewe in Cheshire, at National Grid Reference SJ71865737.
- 1.1.2 The operator proposes to vary their existing permit in relation to the Soils Treatment Facility (STF) that forms part of the Maw Green Landfill Installation Permit to remove the 30,000 tonnes per annum restriction for hazardous waste and increase the capacity to 50,000 tonnes per annum (tpa). The STF is currently permitted to undertake the physico/chemical and biological treatment of hazardous and non-hazardous wastes, with an overall tonnage limited of 50,000 tonnes per annum (tpa). Tables S2.3b and Table S1.1 of the permit will be amended so that the restriction for hazardous waste is removed and updated to 50,000 tpa. The overall annual tonnage limit will remain unchanged at 50,000 tonnes per annum.
- 1.1.3 The STF is designed to handle up to 50,000 tonnes per annum of waste over a 10-year period and this will not change. The treated soils are used primarily in the restoration of Maw Green Landfill Site. The bioremediation process at the STF utilises industry-standard biopile technology and operates through the use of biopiles and moisture control, the addition of suitable materials to the soil, forced air extraction to encourage micro-organism growth, and breakdown of hydrocarbons into by-products such as carbon dioxide and water vapour. Soils are typically treated over an 8-16 week period, with the material being turned infrequently, typically once every 8 weeks. The bioremediation plant operates continuously. The facility is limited to accepting wastes that can be treated to a point where they can be used as final restoration of the landfill.

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 form for varying a bespoke installation permit. Answers to Part C3 is covered under the Operational Techniques Form, document ref: 5193-CAU-XX-XX-RP-V-0306. To aid cross-referencing between this document and the application form, the various issues are presented in the same order as in the application form and the headings in this document include the specific question number to which the information relates.

2 FORM PART A – ABOUT YOU

2.1 Part A - 5c: details of the directors

2.1.1 Details of directors for 3C Waste Limited are as detailed below in Table 1.

Table 1 – List of Directors

Name of Directors
Mr Agustin Serrano Minchan
Mr Vicente Federico Orts-Llopis
Mr Paul Taylor

2.2 Part A – 7a: Who can we contact about your application?

2.2.1 In the event that the first contact is not available, please contact Mr Andy Stocks:

Andy Stocks
Environmental Director
Mobile: 07818 623 158
AndyStocks@caulmert.com

2.3 Part A – Appendix 1: Date of birth information for installation and waste activities

2.3.1 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 FORM PART C2 – PERMIT & PRE-APPLICATION DISCUSSIONS

3.1 Part C2 – 1b: Pre-application discussions

3.1.1 Pre-application advice request was submitted to the Environment Agency and a copy is contained within Appendix 1.

3.2 Part C2 – 1c: Permit number

3.2.1 The permit to which this application relates is EPR/BS7722ID for the installation at Maw Green Landfill Site which includes the Soil Treatment Facility.

3.3 Part C2 – 2a: Type of variation

3.3.1 This application has been prepared on the basis of a Normal Variation for increasing the annual hazardous waste tonnage threshold for the Soil Treatment Facility within the existing permit.

3.4 Part C2 – 2b: Changes to existing activities

3.4.1 The application Question 2b requests that information should be given about changes to existing activities.

3.4.2 The permit currently relates to the installation which is Maw Green Landfill, the Soil Treatment Facility and its related activities. The operator requests an amendment to increase the hazardous waste treatment capacity to 50,000 tpa. The overall annual tonnage limit will remain unchanged at 50,000 tonnes per annum. It is proposed to amend Table S1.1 and Table S2.3b so that the maximum treatment capacity is 38,000 tonnes at any one time.

3.4.3 Table S2.3b 'Permitted waste types for Biological Treatment Activity (Activity A3/A4 in Table S1.1) at Soil Treatment Facility' will be also amended as it currently limits the treatment activity, it will be updated to reflect the following:

Table S2.3b Permitted waste types for Biological Treatment (Activity A3/A4 in Table S1/1) at Soil Treatment Facility	
Maximum Quantity	Maximum storage capacity of hazardous waste codes is 2,000 tonnes at any one time. Maximum treatment capacity of the Treatment is 38,000 tonnes at any one time for non-hazardous waste and for hazardous wastes. Treatment Activity tonnage limit is 50,000 tonnes per annum.

3.5 Part C2 – 3a: Relevant offences

3.5.1 There are no relevant convictions that require declaration.

3.6 Part C2 – 3b: Technical ability

- 3.6.1 FCC Environment Limited has introduced a Competency Management System (CMS), which has been certified by its accrediting body.
- 3.6.2 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 PPC permits.
- 3.6.3 Further details are provided within the Management System Summary, document Reference: 5193-CAU-XX-XX-RP-V-0309.A0-C1.
- 3.6.4 In addition the following CoTC holders are proposed to act as Technical Competent Managers for the activities proposed in this application
- Jonathan Owens (DoB information in Appendix 2)
- Andrew Clee (DoB information in Appendix 2)
- 3.6.5 Copies of their certificates are contained within Appendix 3.

3.7 Part C2 – 3c: Finances

- 3.7.1 There are no relevant current or past bankruptcy or insolvency proceedings that require declaration.

3.8 Part C2 – 3d: Management system

- 3.8.1 Maw Green Landfill Site and the associated activities on site are managed by the operator in accordance with a management system which meets the standard set out in Environment Agency guidance 'Getting the Basics Right'.
- 3.8.2 FCC Environment Limited operates a quality management system which has been approved by LRQA to the following standards:
- Competency Management System – Energy & Utility Skills (Private Standard) Version 4.*
- 3.8.3 A copy of the certificate is contained within the Environmental Management System summary, document ref: 5193-CAU-XX-XX-RP-V-0309.
- 3.8.4 Whilst FCC Recycling (UK) Ltd will operate the site, Provectus Remediation Ltd will provide technical assistance for the operation of the STC as required. Provectus technical staff to be involved with these activities are CoTC holders, they are:

Jonathan Owens (DoB information in Appendix 2)

Andrew Clee (DoB information in Appendix 2)

3.8.5 Copies of their certificates are included in Appendix 3

3.8.6 Details of other waste activities are where they currently also have TCM responsibilities are detailed in Table 2 below.

Table 2 Details of Technical Persons and other waste activities TCM provided for

TCM	Permit Number	Site Address and Post Code
Jonathan Owens	EPR/EB363AK/A001 EAWML105284	Provectus Remediation Ltd Mobile Plant Eling Wharf
Andrew Clee	EPR/WP3330BZ	Welbeck Landfill Site Boundary Lane Normanton Wakefield West Yorkshire WF6 2JA.

3.8.7 The Operator will also implement a number of site-specific procedures and documents to control the soil treatment operations at the site.

3.8.8 The Operators existing management procedures will be updated to include the activities proposed. In addition, the operator has implemented an environmental management system across the company to control the operations at their sites. A summary of the management system is included within document ref: 5193-CAU-XX-XX-RP-V-0309.A0.C1.

4 FORM PART C2 - SUPPORTING INFORMATION

4.1 Part C2 – 5a: Plans for the site

4.1.1 No land will be added to the permitted areas a result of this variation.

4.2 Part C2 – 5b: Site report for any additional land

4.2.1 As no additional land will be added, however an addendum to the existing ESID Report has been included to cover the activities proposed.

4.3 Part C2 – 5c: non-technical summary

4.3.1 Maw Green Landfill Site is located approximately 2 km northeast of Crewe city centre, at National Grid Reference 934 678. Adjacent to the proposed site there is a railway line running northeast, and access is gained from Maw Green Road to the south.

4.3.2 Maw Green is operated under permit number EPR/BS7722ID which was issued in February 2005. The latest variation was issued on the 18th March 2020.

4.3.3 This permit variation is to allow for an increase to up to 50,000 tonnes per annum of hazardous and non-hazardous waste treatment capacity at the Soils Treatment Facility (STF) within the footprint of the existing permit for Maw Green Landfill Site. There will be no changes to the waste types or operational activities as part of this permit variation of which they will remain as detailed under permit ref EPR/BS7722ID. It has been agreed through pre-application with the Environment Agency that this permit variation can be made under the proposals of a 'Normal Variation' application.

4.3.4 The STF facility will continue to accept a total of up to 50,000 tonnes per annum of hazardous and non-hazardous soils. The treatment pad consists of an old composting pad already in place at the site with a capacity of 6,800m². The maximum treatment time for soils is 6 months in general with the majority being treated in periods of between 8-16 weeks.

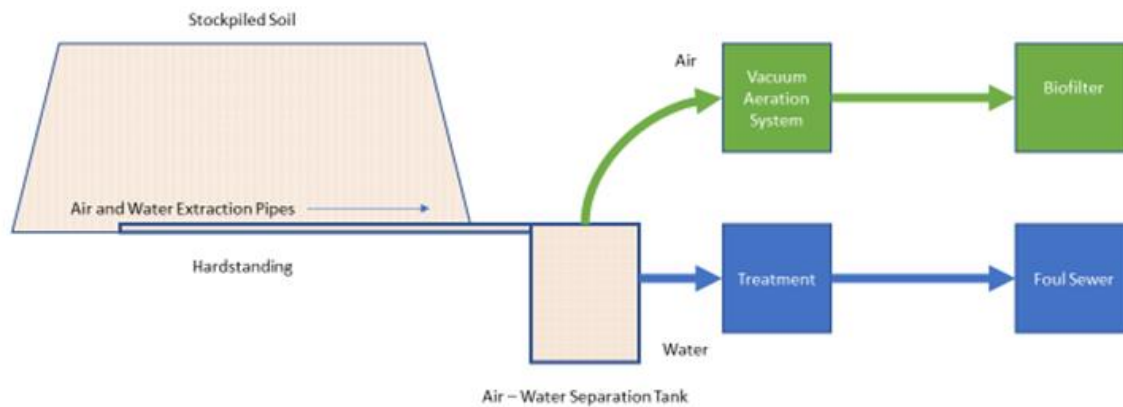
4.3.5 The bioremediation process at the STF utilises industry standard biopile technology and operates through means of use of biopiles and moisture control, addition of suitable materials to the soil, forced air extraction to encourage micro-organism growth and breakdown of hydrocarbons into by-products such as carbon dioxide and water vapour.

4.3.6 The biopiles are placed on water and air extraction pipes connected to a blower that draw air through the soils where it is then passed through a biofilter before being discharged to air. Excess water draining through the soils is collected and treated to remove any oils or suspended solids.

4.3.7 Surface water is collected within the process pipework where it is pumped into the small treatment plant prior to discharge to sewer or redirected via a pipeline to humidify the biofilter. Valves can be switched to use treated water to irrigate the biofilter and then

reversed back to discharging the water to sewer. There is the option to irrigate the biopile if required however this not usually required for the typical British climate.

- 4.3.8 The facility will be limited to accepting wastes that can be treated to a point where they can be used for restoration soils on the landfill in accordance with the approved restoration plan.



- 4.3.9 The point emissions from the STF include process water, surface water collection and air emissions from the biofilter as well as dust and odour from general site works. The monitoring for these processes includes:

- Biofilter sampling (from exhaust vents only)
- Process water sampling
- Visual and olfactive daily assessment for dust and odour on site.
- Dust monitoring

- 4.3.10 Risk assessments have been provided to accompany this permit variation along with an addendum to the original Environmental Setting and Installation Design (ESID) report. There will be no changes to monitoring requirements or parameters, these are included under the 'Activities and Operating Techniques Report' under document ref: 5193-CAU-XX-XX-RP-V-0306. As the operational activities and waste types accepted to Maw Green STF remain unchanged, only minor wording and updates to reflect the increase in hazardous waste capacity has been required to the existing Odour Management Plan and Dust and Emissions Management Plans already in place at Maw Green STF.

- 4.3.11 The following drawings have been submitted as part of the permit variation application; these are referenced throughout the relevant documents:

Sensitive Receptors Plan: 5193-CAU-XX-XX-DR-V-1800
Site Layout Plan: 5193-CAU-XX-XX-DR-V-1801
STF Effluent Pipeline Route: 5193-CAU-XX-XX-DR-V-1803

- 4.3.12 As a result of the increase in hazardous waste treatment capacity, an assessment to demonstrate that the treatment activities are compliant with Best Available Techniques (BAT)

has been undertaken under document reference: 5139-CAU-XX-XX-RP-V-0307. This is in line with:

- Waste Treatment Bref (Published August 2018)¹
- Environment Agency Sector Guidance Note S5.06 (Publish May 2013) ².
- Environment Agency Guidance, Chemical Waste: appropriate measures for permitted facilities ³

4.3.13 Maw Green Landfill and the associated activities on site are managed by the Operator in accordance with a management system which meets the standard set in the Environment Agency Guidance 'Develop a management system: environmental permits' (Published February 2016)⁴. 3C Waste limited operates a quality management system which has been approved by LRQA to the following standards:

Competency Management System – Energy & Utility Skills (Private Standard) Version 4.

4.3.14 A summary of the management system for the Operator is included with the application under document ref: 5193-CAU-XX-XX-RP-V-0309.

4.4 Part C2 – Appendix 2: Date of birth information for Relevant offences and/or technical ability questions only. Technical Ability – date of birth information

4.4.1 Date of birth information for the following TCM managers are detailed below.

Jonathan Owens (DoB information in Appendix 2)

Andrew Clee (DoB information in Appendix 2)

¹ 'Establish best techniques (BAT) conclusions for waste treatment' https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv%3AOJ.L_.2018.208.01.0038.01.ENG&toc=OJ%3AL%3A2018%3A208%3ATOC

² Environment Agency Guidance: Sector Guidance Note S5.96:recovery and disposal of hazardous and non-hazardous waste <https://www.gov.uk/government/publications/sector-guidance-note-s506-recovery-and-disposal-of-hazardous-and-non-hazardous-waste>

³ <https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/5-waste-treatment-appropriate-measures>

⁴ Environment Agency Guidance, 'develop a management system: environmental permits' <https://www.gov.uk/guidance/develop-a-management-system-environmental-permits>

5 FORM PART C3 – VARIATION TO A BESPOKE INSTALLATION PERMIT

- 5.1.1 Please see the Activities and Operational Techniques report: document ref: 5193-CAU-XX-XX-RP-V-0306 for answers relating to Part C3 application form.

6 FORM PART F1 – CHARGES AND DECLARATIONS

6.1 Part F1 – Working out Charges

6.1.1 The application fee relates to changes in the following activities:

- Activity Ref. AR3 - Section 5.3 Part A (1)(a)(ii) – Disposal of recovery of hazardous waste with a capacity exceeding 10 tonnes per day.
- Activity Ref. AR6 - Section 5.6 Part A (1)(a) – temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.

6.1.2 The charging is detailed in Table 3 below. As per Environment Agency Guidance ‘Environmental permitting charges guidance’ (August 2020)⁵ activity Section 5.6 Part A(1)(a) is charged at 10% where “a hazardous waste operation with associated storage of hazardous waste – the application charge for the associated storage will be 10% of the relevant application charge”.

6.1.3 In addition, as per Environment Agency Guidance ‘Environmental permitting charges guidance’ (August 2020) 6 section 3.7.1 ‘The same activity multiple times on one permit’; “if you want to make the same change, at the same time, to a second or subsequent repeat activities, you do not need to pay another variation charge”. Therefore, there is no additional charges to vary the same activities.

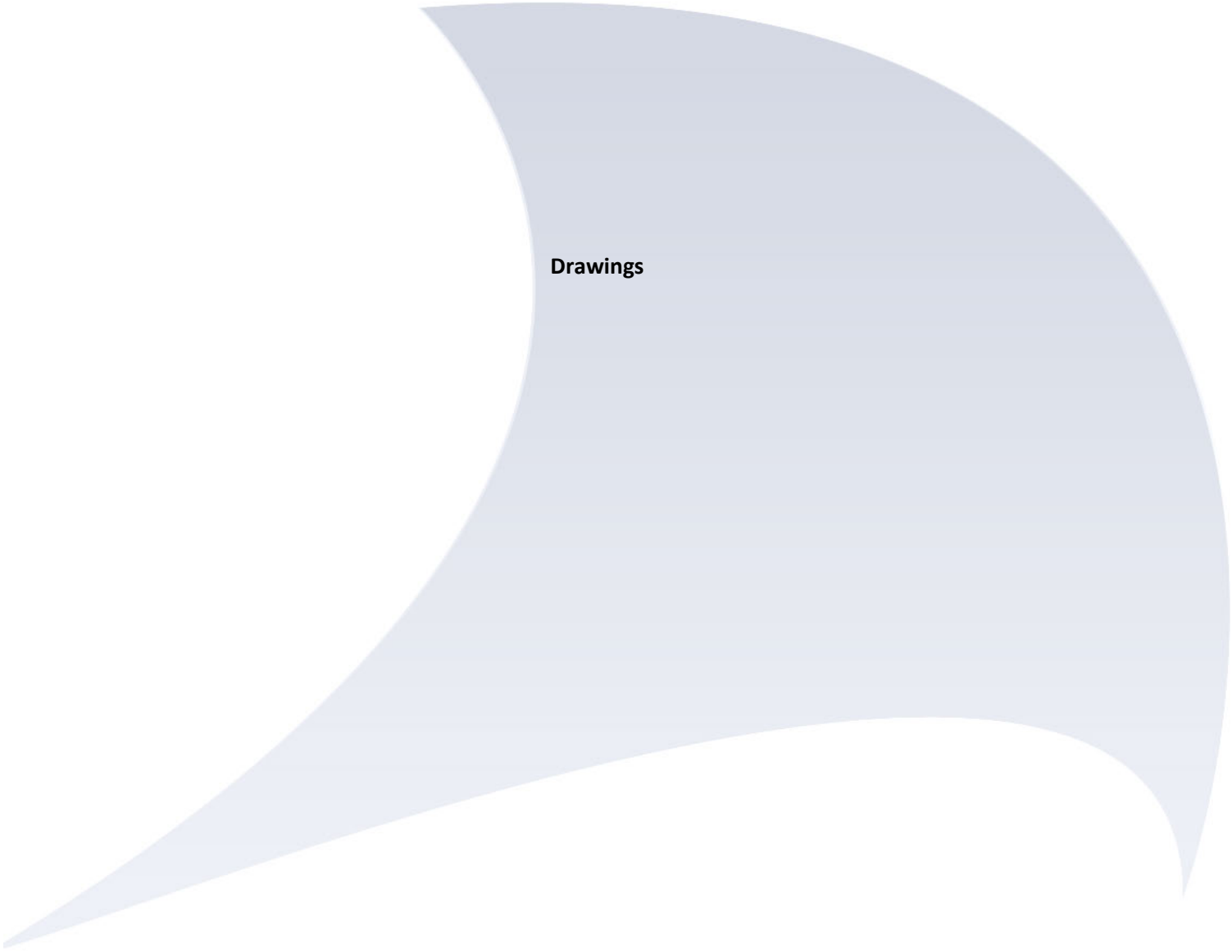
Table 3 Environmental Agency variation fees

Description	Fee
Section 5.3 Part A (1)(a)(ii) – Disposal of recovery of hazardous waste with a capacity exceeding 10 tonnes per day.	£8,000
Section 5.6 Part A (1)(a) – temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	£676
Total	£8,676

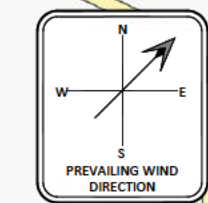
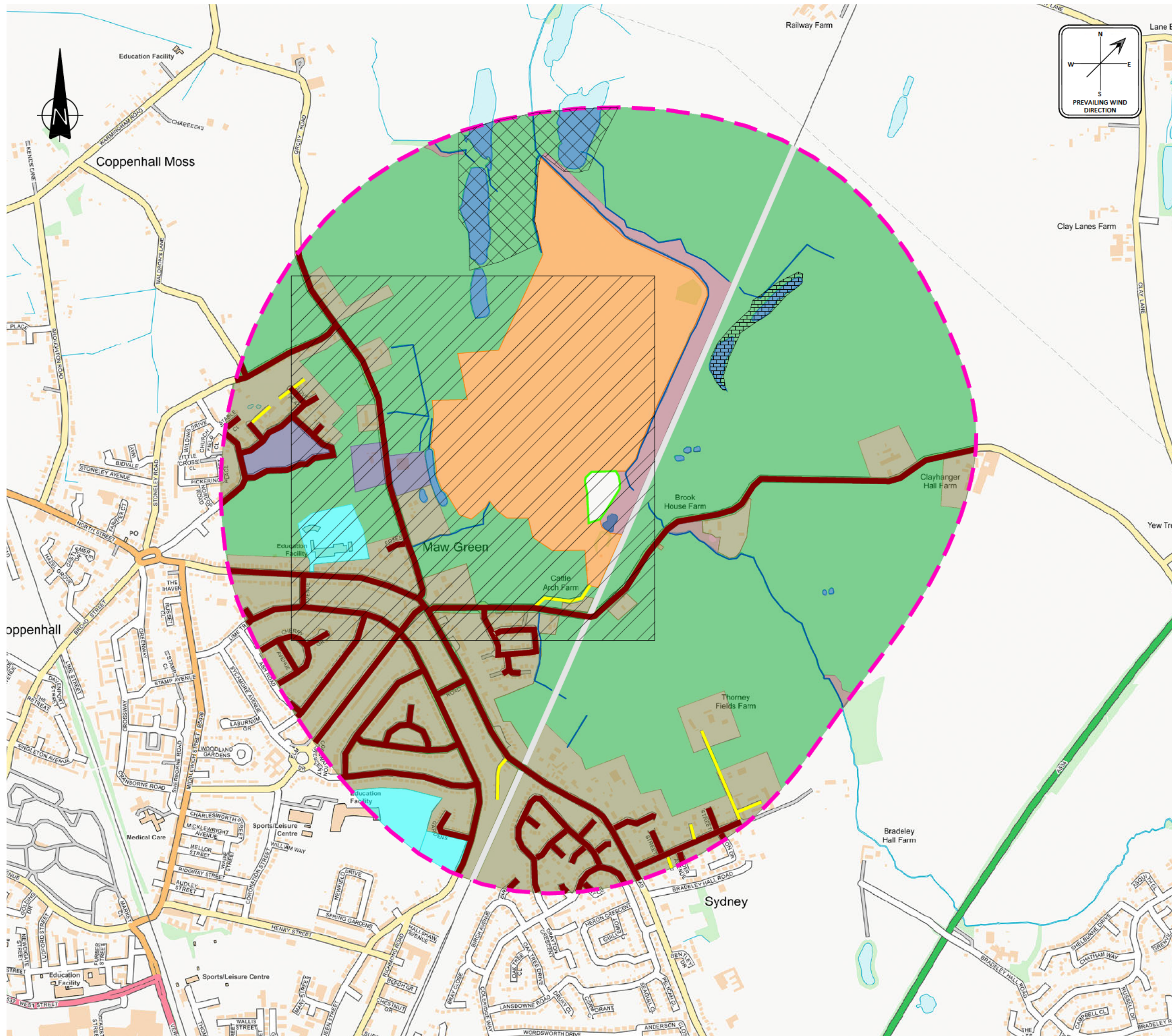
6.1.4 A BACS payment for the amount of £8,676 has been made to the Environment Agency under BACS reference: PSCAPP3CWAS5193. This may have been made under a bulk payment.

⁵ <https://www.gov.uk/government/publications/environmental-permitting-charges-guidance/environmental-permitting-charges-guidance>

⁶ <https://www.gov.uk/government/publications/environmental-permitting-charges-guidance/environmental-permitting-charges-guidance>



Drawings



- LEGEND**
- ACTIVITY BOUNDARY
 - 1000m OFFSET
 - SURFACE WATER
 - WOODLAND
 - COMMERCIAL
 - LANDFILL SITE
 - RESIDENTIAL
 - MAJOR ROAD
 - MINOR ROAD
 - RAIL
 - AGRICULTURAL
 - EDUCATIONAL
 - RECREATIONAL
 - SSSI
 - PROTECTED SPECIES - NON FISH
 - LOCAL WILDLIFE SITE

P01	ISSUED FOR INFORMATION	EJD	SB	SB	27.10.21
REV	MODIFICATIONS	BY	RE	AP	DATE
PURPOSE OF ISSUE FOR INFORMATION					STATUS S2

CLIENT:

PROJECT:
**MAW GREEN
SOILS TREATMENT FACILITY**

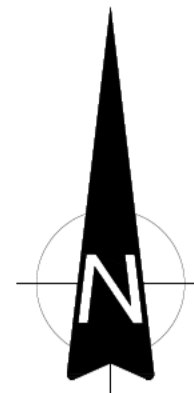
TITLE:
SENSITIVE RECEPTOR PLAN

DESIGNED BY EJD	DRAWN BY EJD	REVIEWED BY AS	AUTHORISED BY AS
DATE 26.10.2021	SCALE @ A3 1:10000	JOB REF: 5193	REVISION P01

DRAWING NUMBER
5193-CAU-XX-XX-DR-V-1800

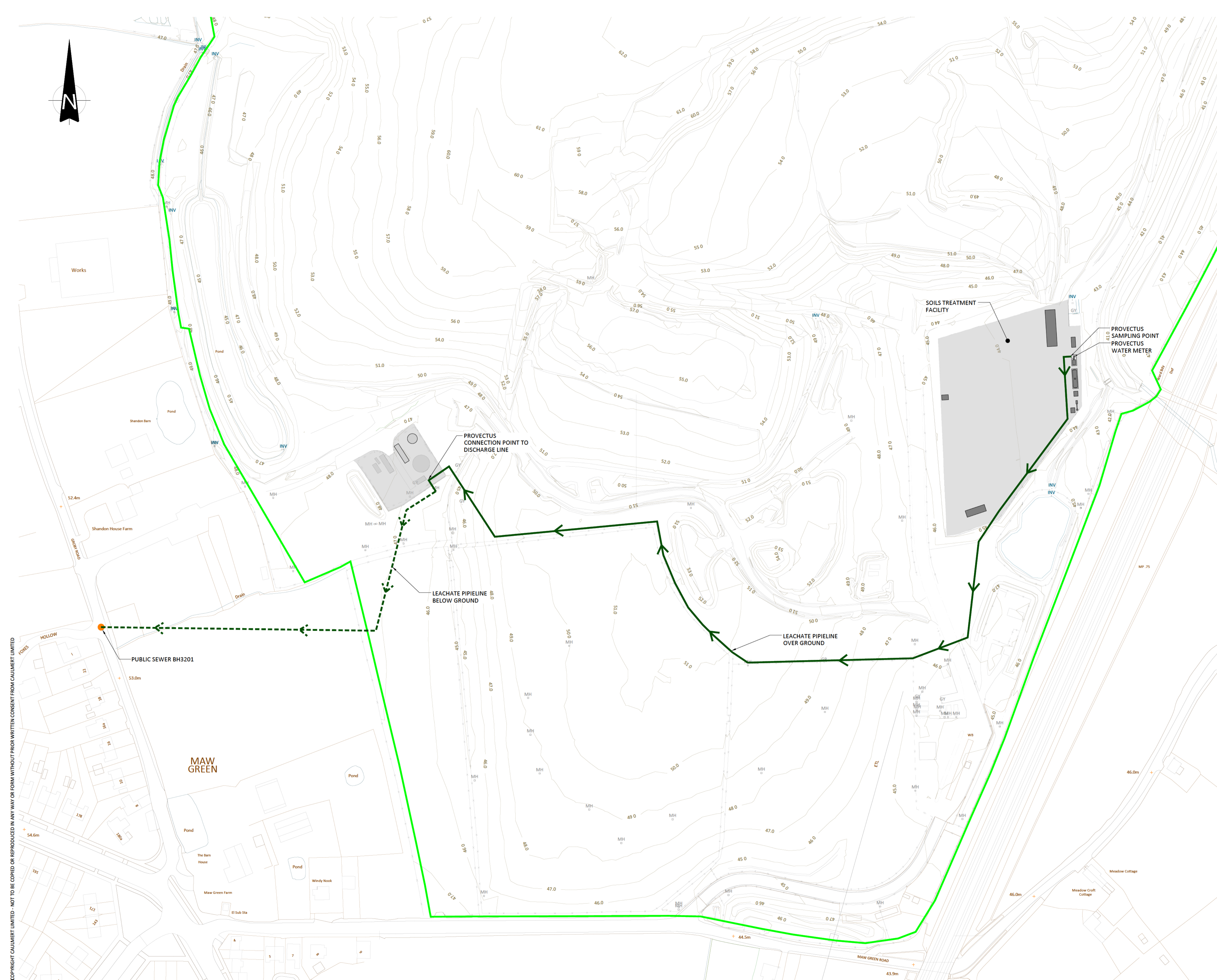
Registered Office: inTec, Parc Menai, Bangor, Gwynedd, LL57 4FG Company Registered No: 06716319

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LEGEND

- PERMIT BOUNDARY
- EFFLUENT PIPELINE ROUTE - OVER GROUND
- - - - EFFLUENT PIPELINE ROUTE - BELOW GROUND
- PUBLIC SEWER BH3201

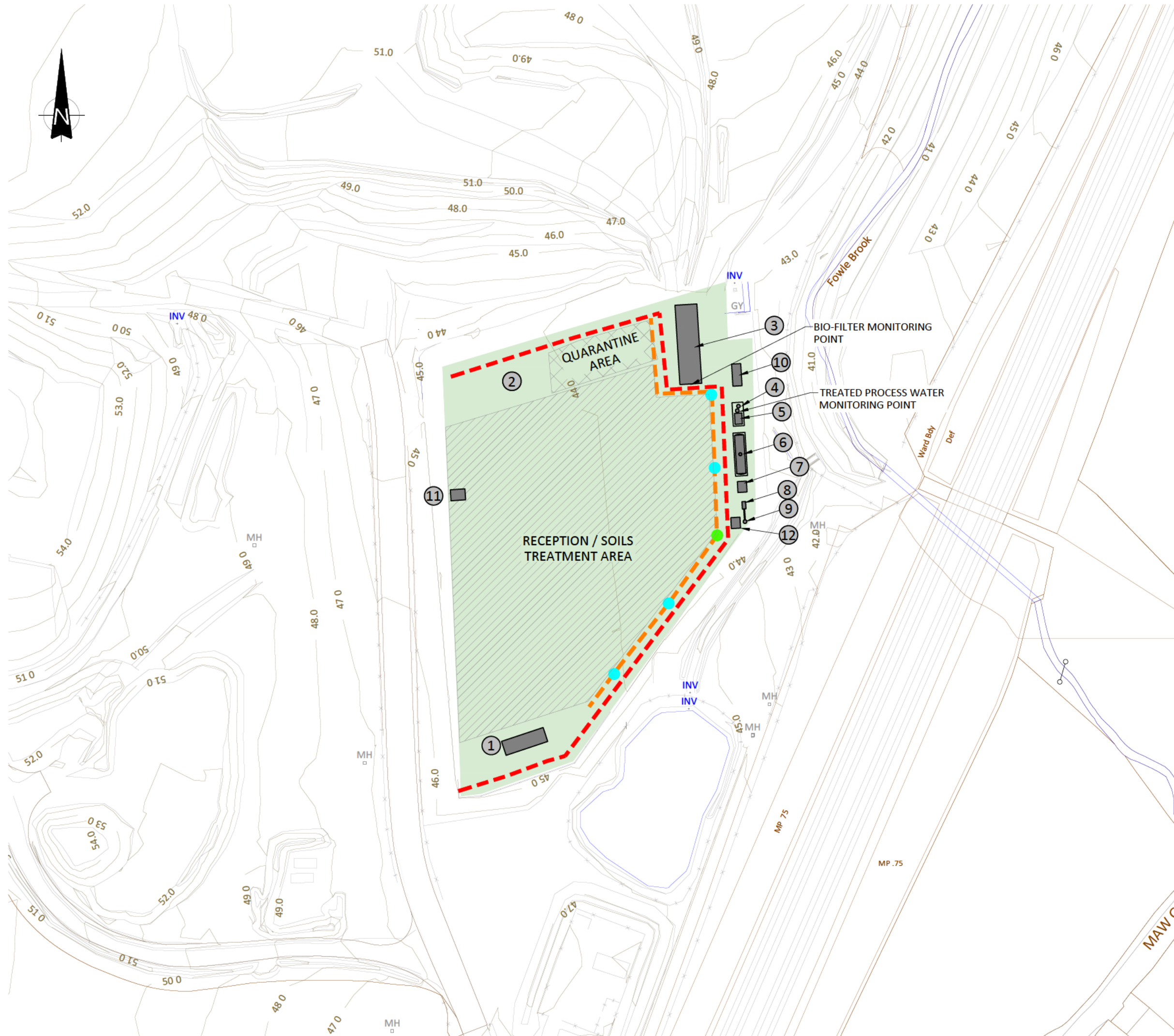


PD1	ISSUED FOR INFORMATION	EJD	KB	KB	22.11.21
REV	MODIFICATIONS	BY	RE	AP	DATE
PURPOSE OF ISSUE					STATUS
FOR INFORMATION					S2
CLIENT:					
PROJECT:					
MAW GREEN LANDFILL					
TITLE:					
STF EFFLUENT PIPELINE ROUTE					
DESIGNED BY	DRAWN BY	REVIEWED BY	AUTHORISED BY		
AS	EJD	KB	KB		
DATE	SCALE @ A1	JOB REF:	REVISION		
03.11.2021	1:1000	5193	P01		
DRAWING NUMBER					
5193-CAU-XX-XX-DR-V-1803					

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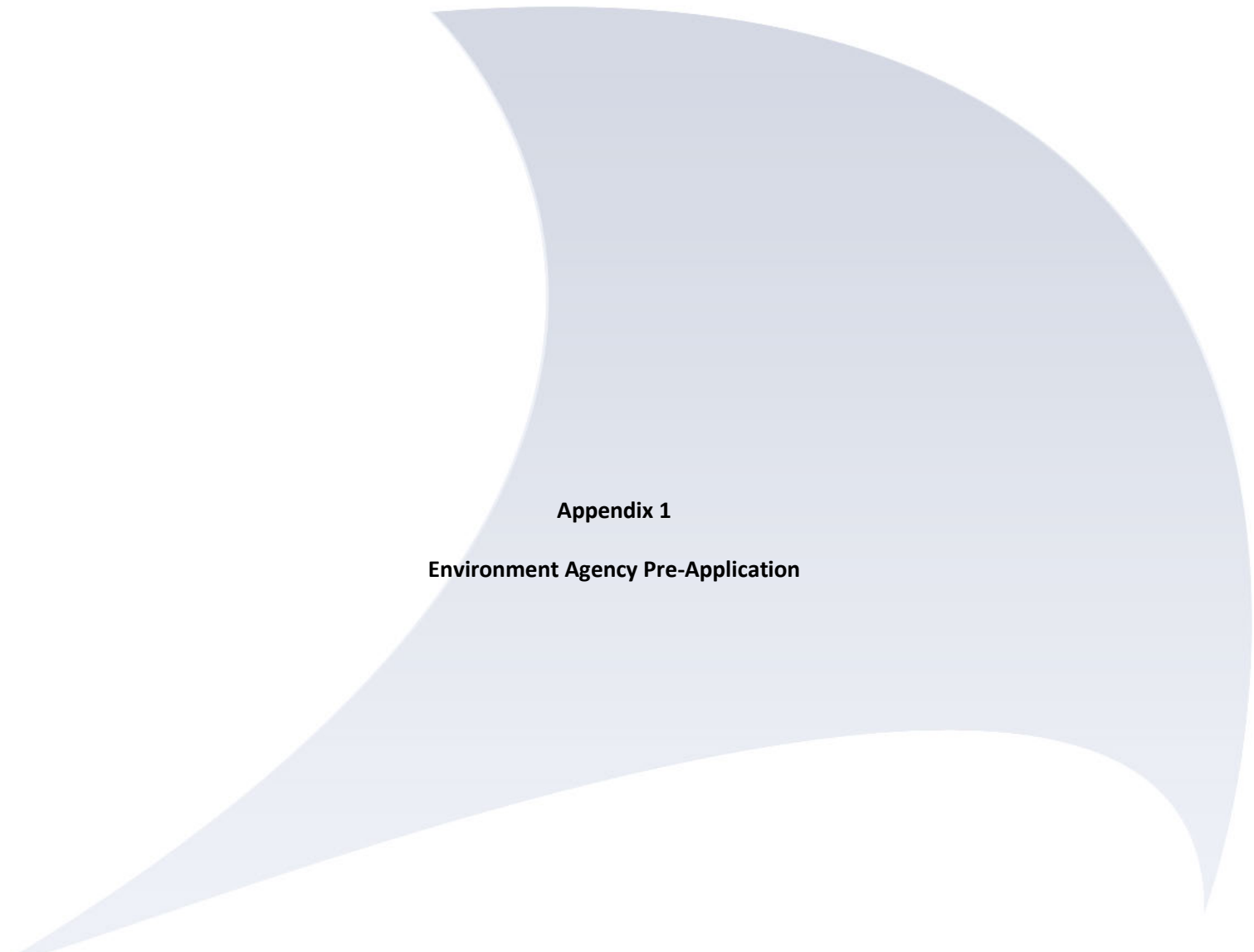


LEGEND

- CONCRETE IMPERMEABLE PAVING
- BOUNDARY KERB LINE
- WATER DRAINAGE PIPE
- 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

P02	LAYOUT UPDATED TO CLIENTS DESIGN	EJD	KB	KB	14.12.21
P01	ISSUED FOR INFORMATION	EJD	KB	KB	27.10.21
REV	MODIFICATIONS	BY	RE	AP	DATE
PURPOSE OF ISSUE					STATUS
FOR INFORMATION					S2
CLIENT:					
3C WASTE LIMITED					
PROJECT:					
MAW GREEN SOILS TREATMENT FACILITY PERMIT VARIATION					
TITLE:					
SITE LAYOUT PLAN					
DESIGNED BY	DRAWN BY	REVIEWED BY	AUTHORISED BY		
EJD	EJD	KB	KB		
DATE	SCALE @ A3	JOB REF:	REVISION		
28.10.2021	1:1000	5193	P02		
DRAWING NUMBER					
5193-CAU-XX-XX-DR-V-1801					

Registered Office: InTec, Parc Menai, Bangor, Gwynedd, LL57 4FG Company Registered No: 06716319



Appendix 1

Environment Agency Pre-Application

Nature and Heritage Conservation

Screening Report: Bespoke Installation

Reference	EPR/BS7722ID/V008
NGR	SJ 71849 57399
Buffer (m)	50
Date report produced	113/09/2021
Number of maps enclosed	5

The nature conservation sites identified in the table below must be considered in your application.

Nature and heritage conservation sites	Screening distance (km)	Further information
Special Areas of Conservation (cSAC or SAC)	10	Joint Nature Conservation Committee
West Midlands Mosses		
Ramsar	10	Joint Nature Conservation Committee
Midland Meres & Mosses Phase 2		
Midland Meres & Mosses - Phase 1		
Sites of Special Scientific Interest (SSSI)	2	Natural England
Sandbach Flashes		
Local Wildlife Sites (LWS)	2	Appropriate Local Record Centre (LRC)
FIELDS FARM FLASHES		
CLAY LANE VERGES, MOSTON		Appropriate Wildlife Trust
MOSSBRIDGE MARSH		

POPLARS FARM MARSH

RAILWAY FARM POND

Mossbridge Marsh Veteran Tree

BROOKHOUSE POOLS

Protected Species

Code 2

Screening distance (m)

up to 500m

Further Information

[Natural England](#)

Environment Agency. Dial 03708 506 506 for your local Fisheries and Biodiversity team

Unfortunately we cannot provide you with the details of all protected species. This is because we either have not been given permission by the owner of the species data, or they have asked us not to identify the species as they are vulnerable. In these instances you must contact the relevant organisation listed above. A small administration charge may be incurred for this service.

Where protected species are present, a licence may be required from Natural England or the Welsh Government to handle the species or undertake the proposed works.


The relevant Local Records Centre must be contacted for information on the features within local wildlife sites. A small administration charge may also be incurred for this service.

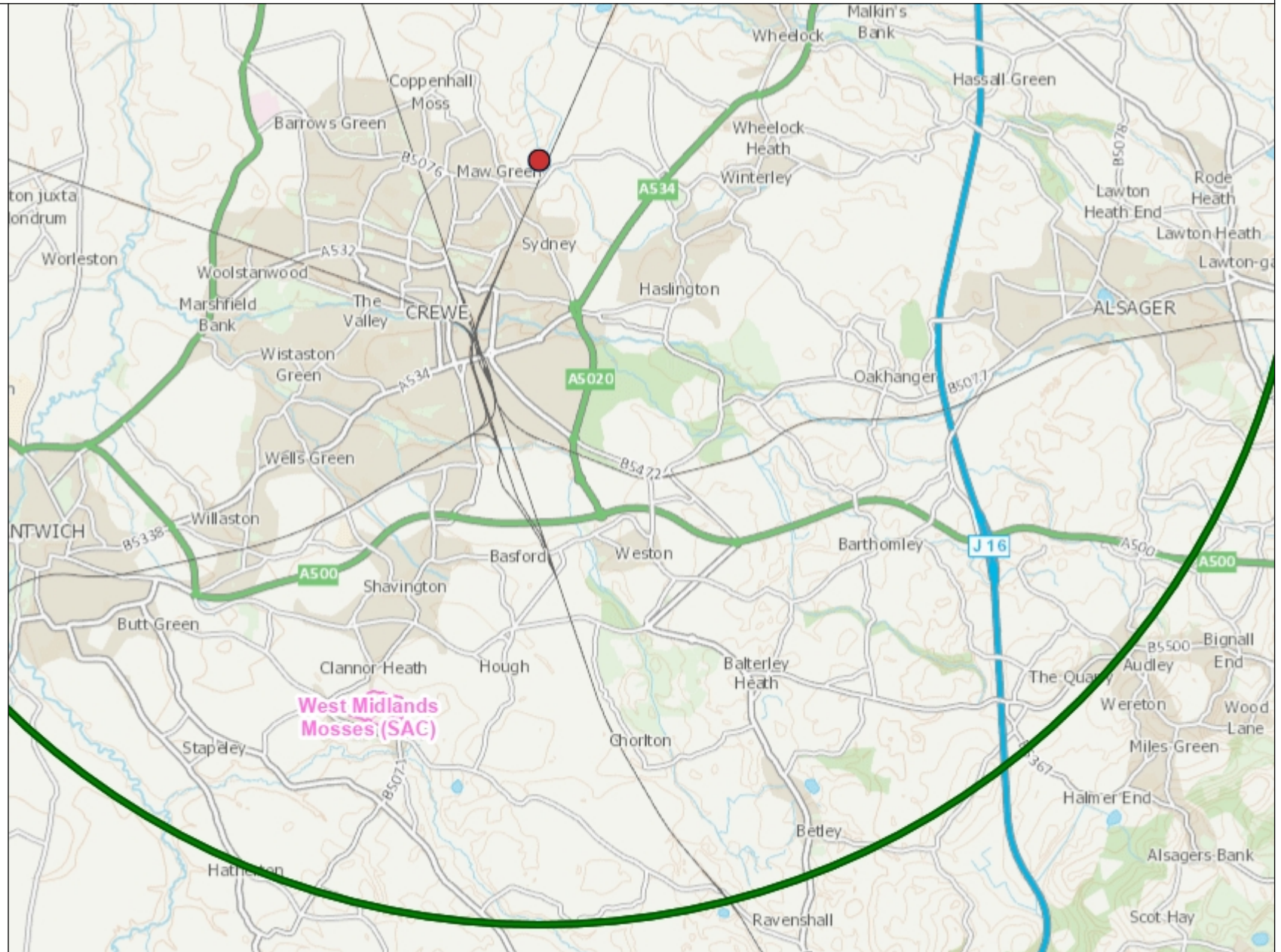
Please note we have screened this application for protected and priority sites, habitats and species for which we have information. It is however your responsibility to comply with all environmental and planning legislation, this information does not imply that no other checks or permissions will be required.

Please note the nature and heritage screening we have conducted as part of this report is subject to change as it is based on data we hold at the time it is generated. We cannot guarantee there will be no changes to our screening data between the date of this report and the submission of the permit application, which could result in the return of an application or requesting further information.

SAC

Legend

 SAC (England)



1: 75,000


0 1,875

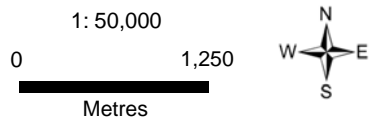
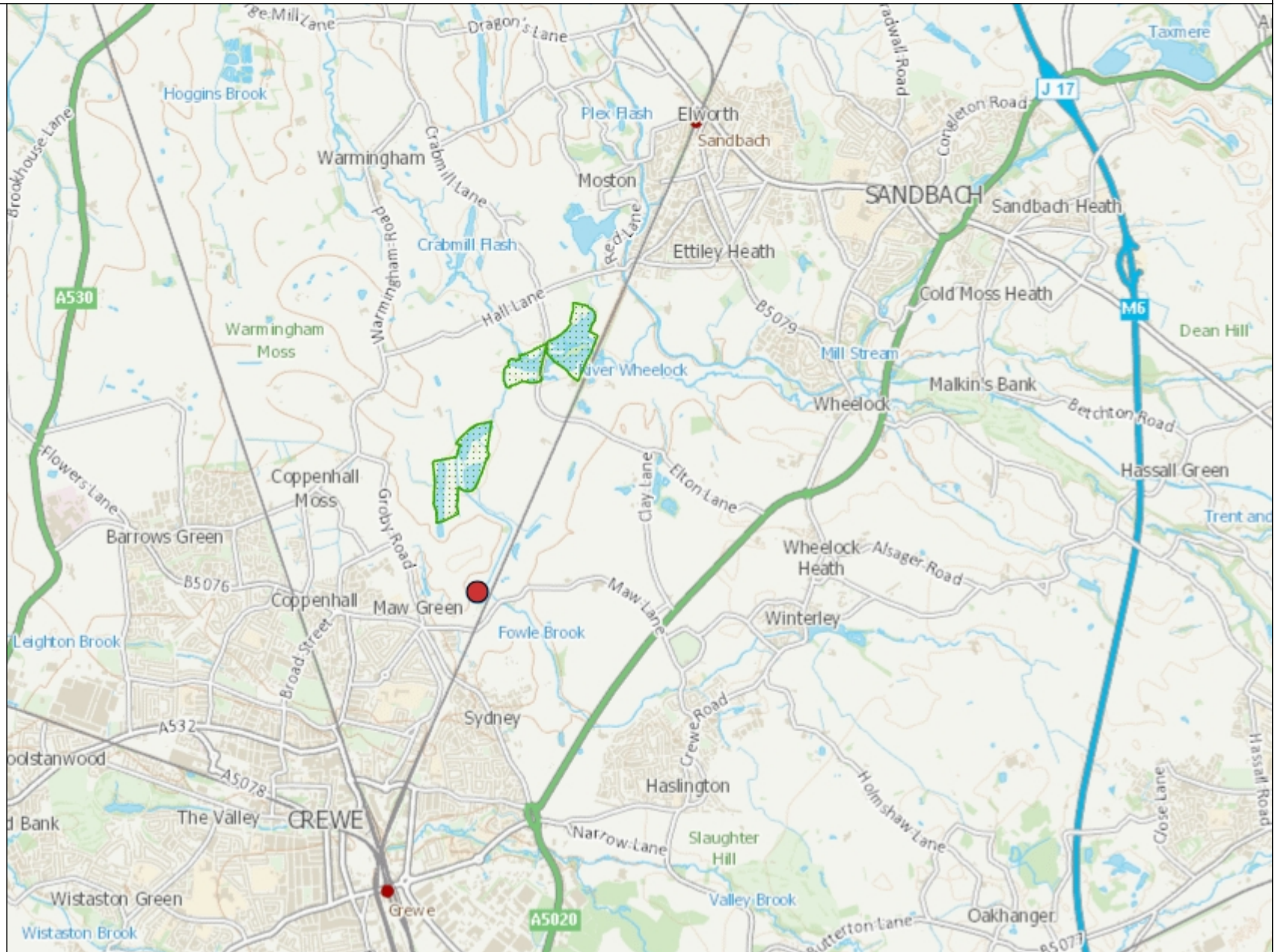
Metres



SSSI


Legend

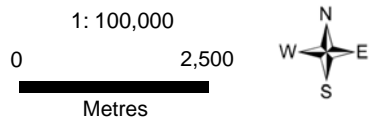
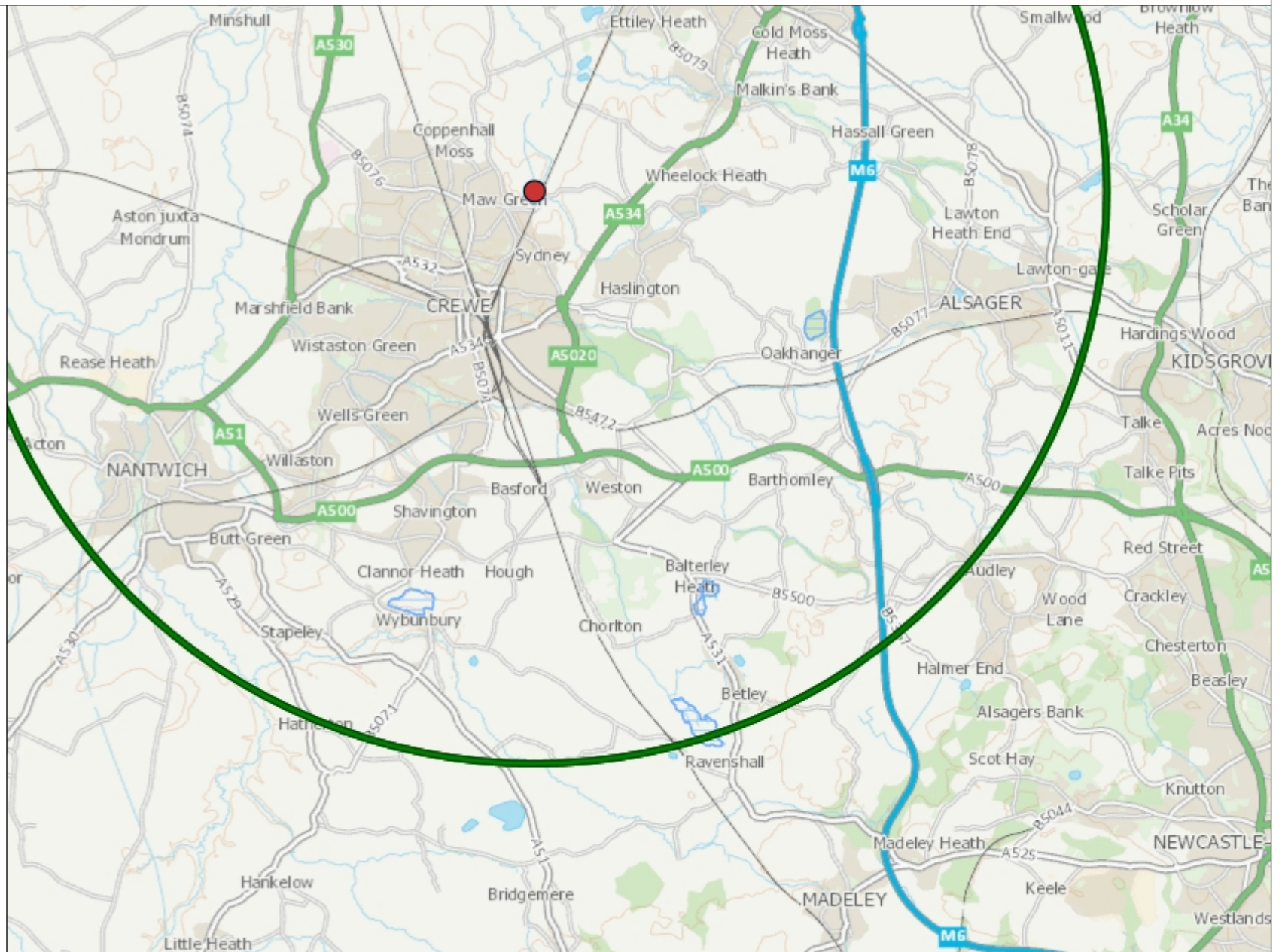
 SSSI (England)



RAMSAR

Legend

 Ramsar (England)

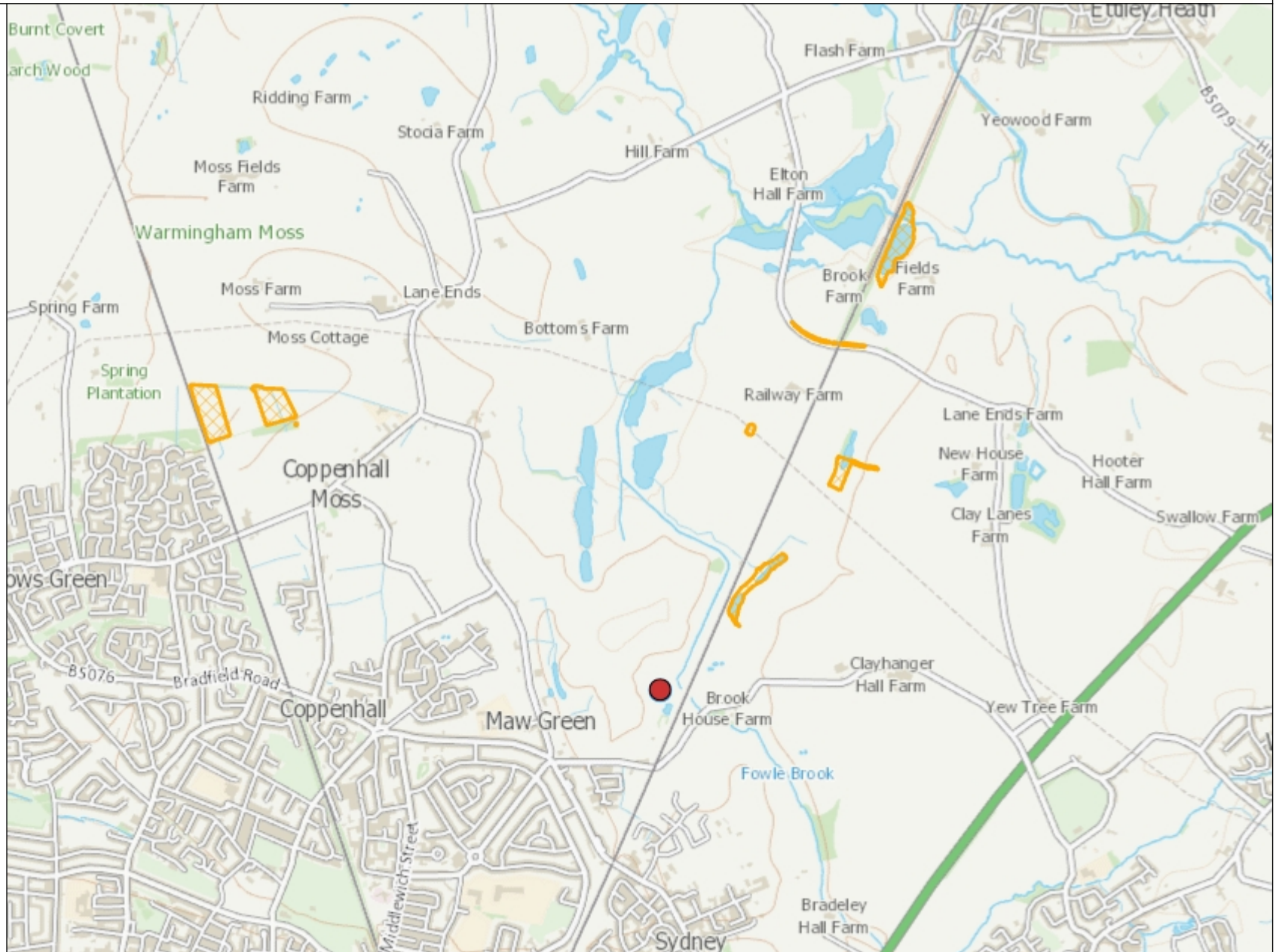


Local Wildlife Sites



Legend

 Local Wildlife Sites






1: 25,000

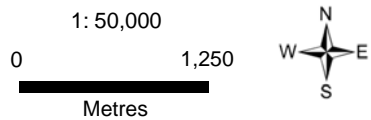
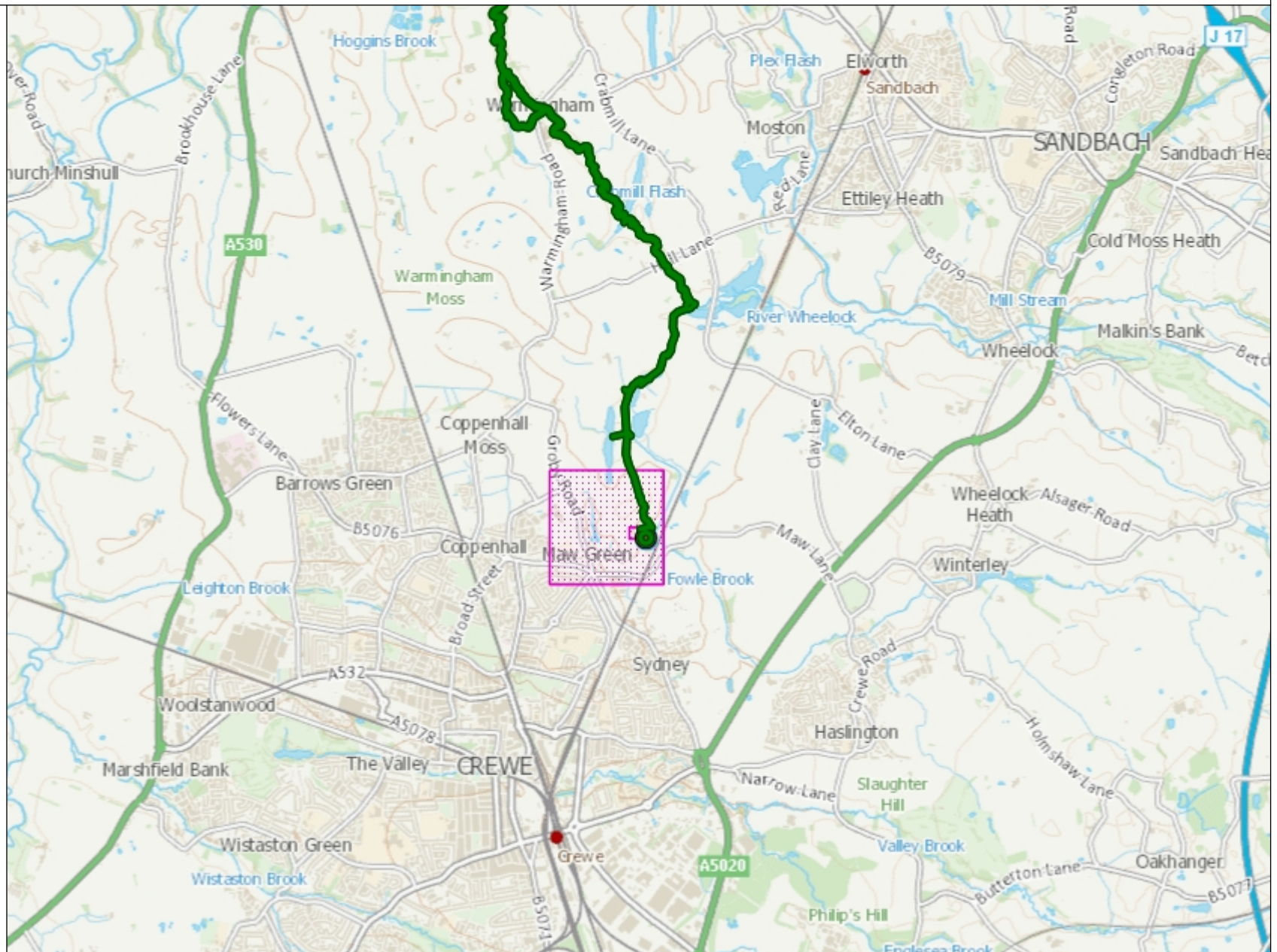


Protected Species

Legend

Protected species screened for Env Permits - complete set

-  Protected species, non fish
-  Protected fish
-  Protected fish migratory route



From: [Kellie Burston](#)
To: [Kellie Burston](#)
Subject: EPR/BS7722ID - Pre Application advice. 3C Waste Limited
Date: 21 October 2021 14:56:22
Attachments: [image001.png](#)
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[BRE_Certification_blue_9d1d9f04-f24f-45a0-aca7-1c6a5472773c.jpg](#)
[3C Waste Limited.pdf](#)



Kellie Burston

Caulmert Limited

Senior Environmental Consultant

Mobile: 07494 170 309

KellieBurston@Caulmert.com

Direct: 01773 305 048

www.caulmert.com

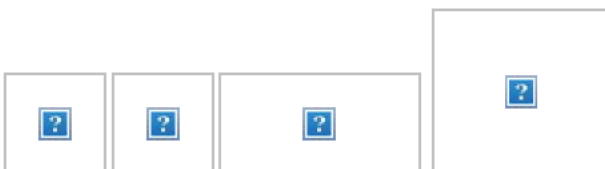
Phone: 01773 749132

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



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From: Pursglove, Dan <dan.pursglove@environment-agency.gov.uk>
Sent: 15 October 2021 12:46
To: Andy Stocks <AndyStocks@caulmert.com>
Subject: RE: EPR/BS7722ID - Pre Application advice. 3C Waste Limited

Good Morning Andy,

I've looked into your query (sent on 13th September 2021) and have the following comments:

Initial comments

- The original application to add the hazardous waste treatment process includes a limit for 30,000 tonnes (under the title 'Hazardous Waste Treatment Facility' for the bioremediation process and storage (see Table 1 of the attached operating techniques document). It does specify an 'activity capacity' of 38,000 tonnes, but does indicate 30,000 tonnes for the hazardous bioremediation treatment and storage activities.
- This has been reflected in the table for the bioremediation treatment process in permit waste Table

S2.3b

- Whereas, Table S2.3a relates to the physical-chemical treatment activity which is restricted to 38,000 tonnes. This is reflected in the attached Table for both 'activity capacity' and 'Hazardous Waste Treatment Facility'.
- Therefore, the previous variation will have been assessed on that basis.
- I recognise that you have stated that there will be no change to treatment capacity. However, removing the restriction of 30,000 tonnes would allow the operator to treat more hazardous waste.

Variation type

- On the basis that an increase in hazardous waste treatment to increase (within the envelope of the total 50,000 tonnes per year), it's unlikely that a minor technical variation would be appropriate.
- Removing the 30,000 tonne restriction will potentially allow for an increase in treatment capacity of the hazardous bioremediation to up to 50,000 tonnes.
- I note that you indicate that AR3 in Table S1.1 of the permit restricts the maximum treatment capacity to 38,000 tonnes. I therefore, appreciate that the way these restrictions are presented in the permit does cause confusion.
- Therefore, if the intention is to increase the capacity from 30,000 tonnes to 50,000 tonnes (or indeed to 38,000 tonnes), then this would need a normal variation application to the activity you are applying to vary.
- Please bear in mind that should the change have the potential to 'cause significant negative effects on human health or the environment', then it's possible that the application could require a substantial variation. However, with the information I have, a normal variation seems to be the most appropriate.

Application charge

- There are several areas of the permit where the 30,000 tonne restriction is referenced; AR3 (in Table S2.3b) and in AR6 (in Table S1.1). The relevant charge will therefore relate to these.
- Application fee - AR3 (Section 5.3 Part A(1)(a)(ii)) – [Charging Scheme](#) Table 1.16 (reference 1.16.1.2) – £8,000.
- Application fee - AR6 (Section 5.6 Part A(1)(a) – Charging Scheme Table 1.16 (reference 1.16.4) – £676 (charge reduced by 90% of full fee of £6,760).
- Component fee - Habitats assessment – Charging Scheme Table 1.19 (reference 1.19.2) – £779. The site is within relevant screening distances of protected habitats sites. Note, if you can demonstrate that there is no risk to these protected habitats site then you will not need to submit this payment.

Supporting information

- As there is a potential increase in the treatment capacity as a result of the increase in hazardous waste tonnages, there are a variety of potential increases to environmental risk. Your application will need to perform environmental risk assessments to determine what the extent of this additional risk is. Your risk assessments may indicate that you need to provide revised management plans and/or perform additional quantitative risk assessments.
- Best Available Techniques (BAT) – as a result of the increase in hazardous waste treatment capacity, you will need to demonstrate that the treatment activities are still compliant with BAT. Therefore a BAT assessment will be needed which addresses the relevant BAT conclusions which are potentially affected by the change. Relevant BAT conclusions; [Waste Treatment](#) and our sector guidance, [Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - GOV.UK \(www.gov.uk\)](#). Depending on the BAT conclusions which may need to be addressed, these could relate to specific operating techniques and management plans which would need to be submitted to support as evidence that the supporting evidence demonstrates compliance with a relevant BAT conclusion.

- You may need to consider whether the emissions from the biofilter could change as a result of this variation. You should perform an air risk assessment using our guidance [Air emissions risk assessment for your environmental permit - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/air-emissions-risk-assessment-for-your-environmental-permit).
- As outlined above, you may need to submit revised management plans due to the increase in treatment capacity. This would require submission of revised dust and odour management plans. Please note that if these documents are required, you will need to pay the relevant additional component fee as outlined in our charging scheme (Table 1.19). Guidance for these management plans can be found at the following links:

[Control and monitor emissions for your environmental permit - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit)
[Environmental permitting: H4 odour management - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/environmental-permitting-h4-odour-management)

I hope this helps you in formulating your application. Should you want to discuss the proposal in more detail, you will need to request enhanced pre-application which is chargeable. You can request enhanced pre-application advice [here](#).

This pre-application request is now closed.

Kind Regards
Dan

Daniel Pursglove
Senior Permitting Officer - National Permitting Service
Part of National Services E & B

Incident Management Duty Role: Flood Warning Duty Officer

Mobile. 07557 938 913
External. 02030 253 209
Email. dan.pursglove@environment-agency.gov.uk



From: Pursglove, Dan
Sent: 14 October 2021 14:21
To: AndyStocks@caulmert.com
Subject: EPR/BS7722ID - Pre Application advice. 3C Waste Limited

Good Afternoon Andy,

Thank you for your time earlier today. As discussed I've picked up your pre-application request for the Maw Green Landfill site soil treatment facility.

I'll hopefully provide a response to your queries soon.

If you would like to discuss any aspect with me please feel free to call me.

Thanks
Dan

Daniel Pursglove
Senior Permitting Officer - National Permitting Service
Part of National Services E & B

Incident Management Duty Role: Flood Warning Duty Officer

Mobile. 07557 938 913

External. 02030 253 209

Email. dan.pursglove@environment-agency.gov.uk



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Appendix 2

TCM dates of birth information

Relevant Persons Dates of Birth

Name of Director	Date of Birth
Jonathon Owens	REDACTED
Andrew Clee	REDACTED



Appendix 3

WAMITAB Certificates



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 _____

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:
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. Owen".

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

Director

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 25/11/2020

TMH Treatment - Hazardous Waste

Expiry Date:
25/11/2022

Verification date: 19/11/2020

Authorised:

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

Director of Qualifications and Standards

Learner ID: 10242

Certificate No.: 5171857

Date of Issue: 25/11/2020

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

CIWM Chief Executive Officer



The Chartered Institution
of Wastes Management



00152958



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