

# MPP2: Application for deployment of mobile plant for land and/or groundwater remediation or treatment using a mobile plant

## About your permit

Permit under which this deployment is taking place

Please specify the type of permit and the permit number (EPR number) that you will operate under. If you have more than one permit, you will need to specify which set of conditions to use to make our determination. Note: you can only select one permit type.

SR2008 No27 Mobile plant for the treatment of soils and contaminated material, substances or products.

**Permit number:**  
AP3195FG

### Name and address of permit holder (operator)

**Name** Englobe Regeneration UK Limited  
**Address** Columbus House, Greenmeadow Springs  
Tongwynlais  
Cardiff  
**Postcode** CF15 7NE

### Who can we talk to regarding this deployment application?

**Name of contact** Rhys Davies  
**Organisation** Englobe  
**Address** Columbus House, Greenmeadow Springs  
Tongwynlais  
Cardiff  
**Postcode** CF15 7NE  
**Phone number** 07500091677  
**Email** rhys.davies@englobecorp.com

## Deployment details

Have we been consulted on your Conceptual Site Model/Risk Assessment/Remediation Strategy?

Yes

**If yes, please provide your reference number and the name of the officer who was consulted**

Exchange of information with Haf Peskett, Lead Specialist Advisor Geoscience. Project is a voluntary remediation scheme and confirmed by Local Planning Authority to be 'permitted development'. An application made recently to the NRW for preliminary opinion and discretionary advice.

Have there been any changes to your proposal since its consultation?

Please note: if your proposal has changed, this may require further assessment and may extend the determination time.

No

If you have not received any planning or pre-application advice, would you like this application to be assessed without having remediation targets pre-agreed by us?

Please note it is your responsibility to ensure remediation has been completed to a satisfactory state.

Yes

Have you had any other pre-application advice from us?

No

## About the site

Site name and address

<b>Site name</b>	Wales & West Utilities, Former Quakers Yard Gasworks Site
<b>Address</b>	Mill Street
	Quakers Yard
	Treharris
<b>Postcode</b>	CF46 5AG
<b>12 digit grid reference</b>	309820,196670

Is your site located within the boundary of another Environmental Permit?

No

If yes, please provide details below:

**Operator name** Englobe Regeneration UK Ltd.  
**Permit number** AP3195FG  
**Contact name** Rhys Davies  
**Phone number** 07500091677  
**Email** rhys.davies@englobecorp.com

Please provide a site plan and ensure the site plan includes all items in the following question.

- File: C1871\_Quakers Yard Supporting Drawings.pdf - [Download](#)
- File: Envirocheck Report Drawings\_Quakers Yard.pdf - [Download](#)
- File: R1871-23-5340\_Quakers Yard\_MTL Supporting Document.pdf - [Download](#)

Please tick to confirm your site plan contains the following:

Operating boundary

Security and access arrangements

Areas of waste soils and contaminated material, substances or products for remediation by the mobile plant

Location/siting of principal plant and equipment

Process, treatment, storage, and quarantine areas

Drainage systems

Location of boundary monitoring points and pollution control units

Potential receptors (i.e. housing, watercourses etc.)

Protected sites (if applicable i.e. SAC, SPA, Ramsar or SSSI within 1km)

## Waste types and quantities

Specify the waste types, quantities, contaminants, and European Waste Catalogue (EWC) code for each waste to be treated on site. Also, provide the treatment technologies to be used for each waste.

	What material are you treating?	Quantity (m <sup>3</sup> )	Contaminants to be treated	Six digit EWC code	What treatment technology will you be using?
1	Contraminated Made Ground soils - hazardous	1,070m3	Hydrocarbons, PAHs, metals, cyanide	17-05-03*	Soil stabilisation/solidification & excavation, seggregation and validation testing in-line with DowCop MMP & offsite disposal to licensed facility or soil treatment centre if required
2	Contaminated Made Ground soils - non hazardous	2,500m3	Hydrocarbons, PAHs, metals	17-05-04	Excavation, seggregation and validation testing in-line with DowCop MMP
3	Asbestos in demolition rubble and soils	200m3	Asbestos	17-06-05* & 17-05-03*	Onsite seggregateion and offsite disposal to licensed landfill facility and/or soil treatment facility
4	Contaminated groudwater from excavations	1,000m3	Hydrocarbons, PAHs	17-13-7*	Onsite groundwater treatment system
5	Oily water from oil/water seperators	5000m3	Hydrocarbons	13-05-07*	Onsite seggregation via groundwater treatment system and offsite disposal to licensed facility

## Specified activities to be carried out on site

### Please supply details of how the specified technology is suitable for treatment

Englobe has undertaken an Options Appraisal that considers a range of remedial options selected based on our remediation experience, the site constraints and client objectives specific to the site.

Based on the Options Appraisal and the Waste Hierarchy the remediation will be staged as followed;  
— Excavation of impacted soils followed by physical sorting ensuring segregation and the subsequent priority categories.

— Suitable for re-use – material re-used on-site at appropriate depths.

— Treatment on-site – material treated on site using ex-situ stabilisation/ solidification (S/S) techniques.

Based on the review of the Best Practicable techniques and the site setting as a whole, the principal remediation treatment technique of stabilisation/solidification (S/S) has been selected due to the following factors:

It is a tried and tested technique, in which Englobe have a significant amount of experience on both gas works sites owned by Wales and West Utilities as well as other gasworks and non-gasworks sites.

— The technique has a short site works programme.

— The technique is durable in the long-term.

— Cost-effective with low technical risk.

— Ability to deal with moderate volume variations within the same programme/ price; and

— The technique is more sustainable than other remedial techniques such as disposal.

A water treatment system will be operational at the site in order to address any perched waters inside or outside structures and free phase contamination encountered during excavations works. It is proposed that the bunded pumping system will have both a LNAPL and DNAPL water separator, sand filters, carbon vessels to ensure discharge criteria (weekly testing) is achieved prior to disposal via a foul sewer consent or for reuse during the stabilisation process.

Englobe have remediated numerous gasworks and closed out with statutory regulators using this stabilisation technique on many occasions and prior to remediation works.

Please also see the following uploaded document:

SUPPLEMENTARY INFORMATION FOR MOBILE PLANT PERMIT DEPLOYMENT APPLICATION. JULY 2023. Ref. R1871/23/5340

### Provide details how residual materials/waste which cannot be treated by the specified technology are to be handled at the site

Residual materials/waste which cannot be treated by the specified technology or site approach will be taken quarantined and taken offsite for disposal at a licensed landfill facility or soil treatment facility.

In the event materials are excavated that may not be suitable for treatment, such as grossly contaminated infrastructure, fibrous asbestos or other high-risk substances, these shall be segregated and stored within a purpose built quarantine area so as to minimise nuisance emissions and potential risks to human health and the wider environment. Assessment of segregated materials, classification and disposal off-site under appropriate duty of care documentation will be undertaken. Records of these materials will be maintained on-site in the waste register.

Please also see the following uploaded document:

SUPPLEMENTARY INFORMATION FOR MOBILE PLANT PERMIT DEPLOYMENT APPLICATION. JULY 2023. Ref. R1871/23/5340

Specify the maximum capacities of quarantine facilities to be used for the storage of contaminated materials destined for re-testing, re-processing or off-site disposal.

(Indicate the locations of such quarantine facilities on the site plan)

Given the small and difficult site, works will be programmed to carefully proceed whilst always maintaining sufficient and adequate quarantine areas for the storage of potentially contaminated materials for re-testing, re-processing or off-site disposal. Where possible quarantine areas will be directly adjacent to excavation and treatment areas to minimise material movement

The quarantine areas will have a soil bund constructed around it and both the base and bund will be lined with 2,000 gauge impermeable plastic membrane to prevent cross contamination of underlying soils and leachate run-off. Individual quarantine areas will have the capacity to accommodate approximately 100 cubic metres of material and materials will also be covered with plastic membrane to minimise rainwater ingress and nuisance emissions such as dust and odours. A sump will be situated in the lowest corner of the area and rainwater will be pumped from this sump and sent to the on-site water treatment system.

Please see the following uploaded document:  
SUPPLEMENTARY INFORMATION FOR MOBILE PLANT PERMIT DEPLOYMENT APPLICATION. JULY 2023. Ref. R1871/23/5340

Alternatively, upload a copy of this below

- File: R1871-23-5340\_Quakers Yard\_MTL Supporting Document.pdf - [Download](#)

## Activities involving the import of waste

Will your activity involve the import of wastes?

No

Does the site form part of a Cluster project?

No

## Duration of this deployment

How long do you need this deployment for?

12 months or less

## Management supervision

### Technically competent manager

This is the person who will be responsible for compliance with the permit for this deployment. See the guidance notes for further details.

<b>Title</b>	Mr
<b>First name</b>	Gavin
<b>Last name</b>	Rodway
<b>Telephone - mobile</b>	07985836249
<b>Telephone - office</b>	02920368636
<b>Email address</b>	<a href="mailto:gavin.rodway@englobecorp.com">gavin.rodway@englobecorp.com</a>

### Nominated competent person

Provide details of the NCP who will be the main contact for the deployment and who will report to the TCM. See the guidance notes for further details.

<b>Title</b>	Mr
<b>First name</b>	Rhys
<b>Last name</b>	Davies
<b>Telephone - mobile</b>	07500091677
<b>Telephone - office</b>	02920368636
<b>Email address</b>	<a href="mailto:rhys.davies@englobecorp.com">rhys.davies@englobecorp.com</a>

Provide information on the site supervision plan for your technically competent manager. Specify what treatment methods can be operated unsupervised, and provide a justification why this should be the case.

(See 'How to comply with your environmental permit' guidance document for more information)

On completion of the setting up of the treatment working area, the Technically Competent Manager (TCM) will inspect the site setup and the treatment areas/facilities on site prior to commencement of the treatment works.

Prior to the commencement of the treatment works, the TCM will complete Englobe's Mobile Treatment Licence/Environmental Permit Compliance form Pre-Operational Check and also check that the site meets the provisions of Englobe's Health, Safety and Environmental Integrated Management System by using Englobe's Site Works Inspection Audit Form.

Once confirmed acceptable by the TCM, treatment works can begin unsupervised by the TCM under the management of the experienced Englobe Site Manager and wider Englobe team.

The Technically Competent Manager (TCM) will attend site for a day per month thereafter (based on 3 month programme estimate minimum 4 visits during site-setup and operation). The TCM will spend time on inspection audits of the treatment process during the remediation.

Please also see the following uploaded document:  
SUPPLEMENTARY INFORMATION FOR MOBILE PLANT PERMIT DEPLOYMENT APPLICATION. JULY 2023. Ref. R1871/23/5340 (uploaded elsewhere on the application but unable to upload here due to file size limitations)

## Conceptual site model and risk assessment

Please provide a conceptual site model (CSM) which identifies all plausible pollution linkages (source-pathway-receptor relationships) and potential impacts to the local environment which could arise as a result of the proposed treatment activities.

(Further information is available in the MPP2 guidance notes)

Please see uploaded document:

SUPPLEMENTARY INFORMATION FOR MOBILE PLANT PERMIT DEPLOYMENT APPLICATION. JULY 2023. Ref. R1871/23/5340 (document uploaded elsewhere as part of this application but file too apparently too large within this section)

## Pollution control

Please provide details of any site specific measures needed to control/minimise emissions, and prevent pollution of the environment and/or harm to human health resulting from your treatment activities (the potential risks should have been identified in your risk assessment).

The principal control measures, to minimise emissions and prevent pollution and harm, focus around containment, training, PPE and monitoring. The treatment layout and activities have also been designed to be as far away as possible from neighbouring properties and surface waters. Machines and equipment will be turned off when not in use to prevent unnecessary noise emissions.

Contaminated soils excavated on-site will be stored and treated in a contained area to prevent cross contamination and leachate run-off. When not being treated or moved, the materials will be covered with plastic membrane to minimise rainwater ingress and nuisance emissions such as dust and odours.

Please also see additional information within the following uploaded document:

SUPPLEMENTARY INFORMATION FOR MOBILE PLANT PERMIT DEPLOYMENT APPLICATION. JULY 2023. Ref. R1871/23/5340 (document uploaded elsewhere as part of this application but file too apparently too large within this section)

## Emission monitoring plans

Provide a site specific monitoring plan for any emissions that may be generated by the proposed treatment activities. Monitoring plans must include information on all of the following (when applicable to your process)

Please tick any of the below which are applicable to your process:

Groundwater

Surface water

Air emissions

Noise

Vibrations

Odour

Volatile Organic Compounds



Specify the indicator parameters you propose to use for each of the emissions being monitored and provide a justification on why they are the most appropriate parameters to detect impact and prevent pollution. Depending upon your technology the plan should include both point source and wider (fugitive) emissions monitoring.

(Further information is available in the guidance)

Please see uploaded document:  
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## Record Keeping - Commissioning, operating and maintenance

Provide details of commissioning, operating and maintenance including documentation and record-keeping to ensure that emissions from the process do not cause pollution of the environment and harm to human health.

Please see the following uploaded document:  
SUPPLEMENTARY INFORMATION FOR MOBILE PLANT PERMIT DEPLOYMENT APPLICATION. JULY 2023. Ref. R1871/23/5340  
(document uploaded elsewhere as part of this application but file too apparently too large within this section)

## Payment

How do you want to pay for your application fee?

Electronic transfer (eg. BACS)

## Supporting documents

Please provide your payment reference

**Payment reference**    ENGLOBE010803

**Amount paid**            £1,975

## Declaration

Are you signing the form on behalf of a relevant person?

If you are not a relevant person, but want to sign the application on their behalf, you must include confirmation that you can do this.

Yes

Please upload written confirmation here

- File: ENGLOBE AUTHORISATION LETTER\_03.08.2023.pdf - [Download](#)

Does your deployment application relate to a standard facility permit?

If your deployment application is being made in relation to a standard facility permit (SRP), you also need to confirm that you are able to meet all relevant criteria of the standard rule set/sets under which you are applying.

I confirm that my activity/activities will fully meet the rules of the permit I have applied under

If you knowingly or recklessly make a statement which is false or misleading to help you get an environmental permit (for yourself or another person), you are committing an offence under the Environmental Permitting (England and Wales) Regulations 2016.

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

I understand that if I knowingly or recklessly make a false or misleading statement: I may be prosecuted; and if convicted, I may have to pay a fine and/or go to prison. By signing below, you are confirming that you understand and agree with the declaration above.

<b>Title</b>	Mr
<b>First name</b>	Rhys
<b>Last name</b>	Davies
<b>On behalf of (if relevant)</b>	Englobe
<b>Today's date (DD/MM/YYYY)</b>	03/08/2023

Add another signature?

No