

Apply for deployment of mobile plant for land and/or groundwater remediation or treatment using a mobile plant (MPP2)

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
Cardiff

Postcode CF15 7NE

Who can we talk to regarding this deployment application?

Name of contact Rhys Davies

Organisation Englobe Regeneration UK

Address Columbus House
Tongwynlais
Cardiff

Postcode CF15 7NE

Phone number 07500091677

Email rhys.davies@englobe-env.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

Hannah Biggs; Sarah Poulton consulted under NRW Discretionary Advice Service, ref. CAS-252266. The works are voluntary remediation being undertaken by Wales & West Utilities Ltd. under Permitted Development Rights as agreed with the Local Planning Authority.

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.

N/A

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

No

About the site

Site name and address

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

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

No

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

- File: Appendix A_Drawings.pdf - [Download](#)
- File: R1871-23-5340_Quakers Yard_MTL Supporting Document_Rev1.pdf - [Download](#)
- File: Envirocheck Report_Quakers Yard.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 ³) | Contaminants to be treated | Six digit EWC code | What treatment technology will you be using? |
|---|---|----------------------------|-------------------------------------|--------------------|--|
| 1 | Contaminated Made Ground soils - hazardous | 600m ³ | Hydrocarbons, PAHs, metals, cyanide | 17-05-03* | Soil Stabilisation/solidification. An element of material excavation, segregation will be undertaken to prepare material for treatment. |
| 2 | Contaminated Made Ground soils - non hazardous | 600m ³ | Hydrocarbons, PAHs, metals | 17-05-04 | Soil Stabilisation/solidification. An element of excavation, segregation and testing will be undertaken to prepare materials for treatment |
| 3 | Contaminated perched/groundwater from excavations | 2,000m ³ | Hydrocarbons, PAHs, ammonia | 17-13-7* | Onsite temporary groundwater treatment system |
| 4 | - | - | - | - | - |
| 5 | - | - | - | - | - |

Specified activities to be carried out on site

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

Please also see the following uploaded Englobe documents:

1. REMEDIATION IMPLEMENTATION AND VERIFICATION PLAN. MARCH 2024. Ref. R1871/23/5302 [please note we've been unable to upload due to file size limitations. Could a link please be send to share the file?]
2. 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 highrisk 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 offsite under appropriate duty of care documentation will be undertaken. Records of these materials will be maintained onsite in the waste register.

Please also see the following uploaded Englobe documents:

1. REMEDIATION IMPLEMENTATION AND VERIFICATION PLAN. MARCH 2024. Ref. R1871/23/5302 [please note we've been unable to upload due to file size limitations. Could a link please be send to share the file?]
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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 very difficult and constrained site, works will be programmed to carefully proceed whilst always maintaining sufficient and adequate quarantine areas for the storage of potentially contaminated materials for retesting, reprocessing or offsite disposal. Where possible quarantine areas will be directly adjacent to excavation and treatment areas to minimise material movement. The soil stabilisation will be undertaken within the confines of the existing gasholder below ground structures. These tanks are also the expected main sources of contaminated materials and as such contaminated materials for treatment will not be removed from the tanks before their in-situ treatment.

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 runoff. 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 onsite water treatment system.

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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.

| | |
|---------------------------|------------------------------|
| Title | Mr |
| First name | Gavin |
| Last name | Rodway |
| Telephone - mobile | 07985836249 |
| Telephone - office | 02920368636 |
| Email address | gavin.rodway@englobe-env.com |

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.

| | |
|---------------------------|-----------------------------|
| Title | Mr |
| First name | Rhys |
| Last name | Davies |
| Telephone - mobile | 07500091677 |
| Telephone - office | 02920368636 |
| Email address | rhys.davies@englobe-env.com |

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 License/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 Englobe documents (uploaded elsewhere on the application):

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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)

As detailed in the Yellow SubGeo Geoenvironmental detailed quantitative risk assessment, report ref. P23545_R1. January 2023. included in Appendix B of the Englobe Remediation Implementation and Verification Plan (reference below)

Size limitations have prevented the full upload of the DQRA Report that contains the detailed Conceptual Site Model details. However, selected relevant Conceptual Model sections and drawing have been extracted and uploaded.

Please also see the following uploaded Englobe documents (uploaded elsewhere on the application):

1. REMEDIATION IMPLEMENTATION AND VERIFICATION PLAN. MARCH 2024. Ref. R1871/23/5302 [please note we've been unable to upload due to file size limitations. Could a link please be send to share the file?]
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Alternatively, upload a copy of this below

- File: COnceptual Site Model Extracts from YellowSub Geo DQRA Report.pdf - [Download](#)

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 onsite will be stored and treated in a contained area to prevent cross contamination and leachate runoff. 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 the following uploaded Englobe documents (uploaded elsewhere on the application):

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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 also see the following uploaded Englobe documents (document uploaded elsewhere as part of this application but file too large within this section):

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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 also see the following uploaded Englobe documents (document uploaded elsewhere as part of this application but file too large within this section):

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Payment

How do you want to pay for your application fee?

Electronic transfer (eg. BACS)

Supporting documents

Please ensure that you include the following relevant documents with your deployment application: Site plan showing all required features Conceptual Site Model and Risk Assessment Pollution Control Monitoring Plans Record Keeping details

- File: R1871_5302_Remediation Implementation and Verification Plan_28.03.2024.pdf - [Download](#)

Please provide your payment reference

Payment reference ENGLOBE03072024

Amount paid £2,074

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_03.07.2024.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.

| | |
|-----------------------------------|------------------------|
| Title | Mr |
| First name | Rhys |
| Last name | Davies |
| On behalf of (if relevant) | Englobe Remediation UK |
| Today's date (DD/MM/YYYY) | 03/07/2024 |

Add another signature?

No