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	Biogenie Remediation UK Ltd
Address	Columbus House
	Greenmeadow Springs, Village Way
	Cardiff
Postcode	CF15 7NE

Who can we talk to regarding this deployment application?

Name of contact	Tim Vickers
Organisation	Biogenie Remediation UK Ltd
Address	Columbus House
	Greenmeadow Springs, Village Way
	Cardiff
Postcode	CF15 7NE
Phone number	07985 836 244
Email	tim.vickers@biogenie.co.uk

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
The works have been granted full planning permission (application Number P2024/0736) Land North of Harbour Way, Harbour Side Regeneration Area, Port Talbot.
Contact Hannah Roberts Advisor Development Planning
swplanning@cyfoethnaturiolcymru.gov.uk

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	SWITCH Building, Harbour Side
Address	Land North of Harbour Way
	Harbour Side Regeneration Area
	Port Talbot
Postcode	SA13 1SB
12 digit grid reference	276610 E, 189470 N

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: SWITCH Harbouriside Drawings.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 water from excavations	10,100	Hydrocarbons, suspended solids, metals	17.13.07*	Temporary groundwater treatment system
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	-	-

Specified activities to be carried out on site

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

Biogenie water treatment system will be a bespoke design suitable for the treatment of hydrocarbon contamination (predominantly TPH, PAH and metals) present in groundwater.
The treatment system will be suitable for removing and treating suspended solids and hydrocarbons and will include the following components:

• Lamella separation.
• Oil Water Separation (OWS) and pump tank.
• Transfer pump.
• 1 x 2m3 Granular Activated Carbon Vessel.
• Clean water/ backwash tank.
• Backwash/ Discharge pump.
• Totalising meter.

The system will be fully automated via a PLC control panel, telemetry and safety devices, including OWS highlevel float switch, bund float switches and telemetry to alert when the system goes offline. It is assumed that the treatment system can treat up to 15m3/hr and will comprise a two stage design comprising the removal of suspended solids and filtration and absorption via Granulated Activated Carbon [GAC]. The treated water will be discharged to combined sewer under a temporary discharge consent with Dwr Cymru (Welsh Water). Groundwater will be pumped from a network of well points installed at 1.5m centres (by others).

Following a review of information and guidance it has been concluded that an abstraction licence is not required for these works and are therefore exempt

Refer to the Hydrock Switch Building Remediation Strategy and Verification Plan (Ref: 26CB02HYDXX T101001) dated July 2024

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 quarantined and taken offsite for disposal at a licensed landfill facility or soil treatment facility. Any sediment of sludges will be removed via vacuum tanker and treated offsite at a licensed waste facility. Spent activated carbon will be removed by a licensed waste carrier for offsite treatment or disposal. Records of all waste materials will kept on site. Records of these materials will be maintained on site in the waste register.

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)

The water treatment system will be enclosed within a bund which will have 110% capacity of the largest storage vessel [12m3]. The bund will be impermeable. All contaminated liquids and sludges / sediments will be retained within each individual storage vessel located within the bund. Each storage vessel can be isolated so overloading of the treatment bund will not occur. The treatment bund will have a high level cutoff switch to prevent overtopping. The system will be equipped with telemetry to monitor the system operation 24hrs per day.

Alternatively, upload a copy of this below

- File: 26CB02-HYD-XX-T-G-O-1001.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.

Title	Mr
First name	Gavin
Last name	Rodway
Telephone - mobile	07985 836 249
Telephone - office	02920 368 636
Email address	gavin.rodway@biogenie.co.uk

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	07500 091 677
Telephone - office	02920 368 636
Email address	rhys.davies@biogenie.co.uk

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 Biogenie's Mobile Treatmen t
License/Environmental Permit Compliance form PreOperational Check and also check that the site meets the provisions of Biogenie’s Health, Safety and Environmental Integrated Management System by using Biogenie'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 one day per week (based on 2 month programme estimate minimum 8 visits during site setup and operation). The TCM will spend time on inspection audits of the treatment process during the remediation.
Please also refer to Biogenie's supplementary information.

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)

See attached Biogenie Supplementary Information [V3] to support this application. This includes a risk assessment for the remediation activities undertaken as part of this application.
The conceptual model for the wider site is provided in the Hydrock (July2024) Switch Building Remediation Strategy and Verification Plan (Ref:26CB02HYDXXT1001001).

Alternatively, upload a copy of this below

- File: mobile plant permit supplementary information.V3.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.
Contaminated soils excavated onsite will be stored and treated in a contained area to prevent cross contamination and leachate runoff (this will be managed by others and covered under the requirements of the Hydrock Remediation Strategy and Verification Plan.
Any contaminated water will be retained in closed storage vessels or pipework which will include bunded tanks and secondary containment. An environmental management plan for the groundwater treatment is provided in Biogenie's supplementary information [V3] (previously attached)

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 refer to Biogenie's supplementary information [V3]
for mobile plant permit deployment and also the
Hydrock Remediation Strategy and Verification Plan.

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 refer to Biogenie's supplementary information for mobile plant permit deployment

Payment

How do you want to pay for your application fee?

Electronic transfer (eg. BACS)

Supporting documents

Please provide your payment reference

Payment reference	Bio61002092
Amount paid	£2,251

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

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	Tim
Last name	Vickers
On behalf of (if relevant)	Biogenie Remediation UK Ltd
Today's date (DD/MM/YYYY)	16.07.2025

Add another signature?

No