

Site Condition Report

Coastal Oil and Gas Limited

Unit 9
Bridgend Business Centre
Bridgend
CF31 3SH

Merthyr Mawr Exploration Borehole

Site Condition Report

November 2014

| 1.0 SITE DETAILS | |
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| Name of the applicant | Coastal Oil & Gas Ltd |
| Activity address | Near Tyla Farm, Methyl Mawr, Bridgend, CF32 0LT |
| National grid reference | E288251 N178367 |

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| Document reference and dates for Site Condition Report at permit application and surrender | 7th November 2014 Merthyr Mawr MWP – 006 - H5 Site condition report |
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| Document references for site plans (including location and boundaries) | MWP-008-Borehole Location Plan MWP-009-Site Location Plan |
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Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue

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| <p>Environmental setting including:</p> <ul style="list-style-type: none"> • geology • hydrogeology • surface waters | <p>The proposed borehole is situated in the Vale of Glamorgan.</p> <p>Initial investigation shows that the land is underlain by Carboniferous Limestones with a general dip of the strata seams towards the south.</p> <p>There is no surface water on the site, there are areas of standing water on the uneven road network leading to the site after heavy rain.</p> <p>There is 1 source protection zone 441m from the site.</p> <p>Please see Merthyr Mawr - MWP - Context</p> |
| <p>Pollution history including:</p> <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures | <p>There are no known pollution issues at the site.</p> <p>There have been 5 historic discharge consents into land and freshwater streams/rivers >800m from the site.</p> <p>There have been 4 pollution incidents to controlled waters between 804 – 837m from the site.</p> <p>For details please see:-</p> <p>Merthyr Mawr - MWP - Datasheet</p> <p>Merthyr Mawr - MWP - Site Sensitivity 1-10000</p> |
| <p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p> | <p>The site is currently an open grass field; the site has been used for agricultural purposes in the past.</p> |

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| Baseline soil and groundwater reference data | None |
| Supporting information | <p>Please refer to:-</p> <ul style="list-style-type: none"> • Merthyr Mawr - MWP - Datasheet • Merthyr Mawr - MWP - Site Sensitivity 1-10000 • Merthyr Mawr - MWP - Site Sensitivity 1-10000 - Soil Geochemistry • Merthyr Mawr - MWP - Site Sensitivity 1-2500 • Merthyr Mawr - MWP - Context |

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| 3.0 Permitted activities | |
| Permitted activities | Exploration Borehole for Hydrocarbons |
| Non-permitted activities undertaken | Site Compound set up |
| <p>Document references for:</p> <ul style="list-style-type: none"> • plan showing activity layout; and • Environmental risk assessment. | <p>Merthyr Mawr - MWP - 008 - Borehole Location Plan</p> <p>Merthyl Mawr - MWP - 009 - Site Location Plan</p> <p>Merthyr Mawr MWP - 002 - Risk Assessment</p> <p>Merthyr Mawr MWP - 003 - Environmental Risk Assessment</p> |

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.