

ENVIRONMENTAL PERMIT SURRENDER APPLICATION FOR THE IN-VESSEL COMPOSTING FACILITY

at

**BRYN QUARRY, GELLIARGWELLT FARM, GELLIGAER
ROAD, GELLIGAER, CAERPHILLY**

SITE CONDITION REPORT

Prepared for:

BRYN COMPOST LIMITED

Part of the



Document reference: BPL-EPS-2019-SCR

Submitted by:-

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ISSUE AND REVISION RECORD

Revision	Date	Author	Description
-	01.05.2019	Beth Jones	Initial issue

1 Site Data	
Name of the applicant	Bryn Compost Ltd
Activity address	Gelliargwellt Farm Gelliagaer Hengoed Mid Glamorgan CF82 8FY
National grid reference	312673, 196395
Document reference and dates for Site Condition Report at permit application	BPL-EPS-2019-SCR, May 2019
Document references for site plans	Drawing No. BCL-EPS-2019-001
2 Condition of the land at permit issue	
Environmental setting	<p>The IVC Facility site is located east of the A470 which connects Cardiff with Merthyr Tydfil, approximately 20km northwest of Newport. Access to the site is via the site access road off Gelliagaer Road.</p> <p>The land covered by the IVC environmental permit boundary will be incorporated into the environmental permits for the adjacent anaerobic digestion facility and materials recycling facility.</p> <p>The area is underlain by the solid geology of the Upper Westphalian Grovesend Formation, predominantly argillaceous, comprising mudstones and siltstones, with well-developed coals; minor lithic ("Pennant") sandstones and locally developed red mudstones in the type area. There are clay rich superficial drift deposits in the area.</p> <p>The geological classification is of a Secondary Aquifer (permeable) - These are permeable layers of rock or drift deposits capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.</p> <p>The application area is not located within a groundwater source protection zone (SPZ) or an area at risk of flooding. The area is not located within a Nitrate Vulnerable Zone (NVZ).</p> <p>There are no active ground or surface water abstractions within 1km of the extension. The nearest natural surface water feature to the application area is approximately 20m to the south east. This water feature is a small unidentified stream that flows to the south before joining with another stream.</p> <p>Nelson Bog, 1km south of the area boundary is a designated Site of Special Scientific Interest (SSSI).</p>

Pollution history	<p>Prior to the construction of the IVC building the area the site remained undeveloped as open land and woodland since at least 1875. The floor of the IVC building is impermeable reinforced concrete and has remained intact through the use of the building as an IVC facility. The fully sealed underground drainage servicing the building already feeds into the AD facility and forms part of the current AD facility permit.</p> <p>There are not considered to be any potential contaminants of concern associated with the historical use of the site.</p>
Evidence of historic contamination.	<p>It is not considered necessary to obtain site soil sample analyses to assess the background contamination levels as the ground surface of the site to be transferred is impermeable concrete.</p> <p>In addition the site does not lie within a groundwater SPZ I or SPZ II.</p>
Baseline soil and groundwater reference data	<p>Given the historic land use on site, no soil and groundwater reference data were collated as the ground surface of the site to be transferred is impermeable concrete. There are considered to be no significant levels of contamination on site relating to historical activities.</p>

3 Permitted activities

Permitted activities	Permitted activities applied for: Environmental permit surrender application
Non-permitted activities undertaken	None
Document references for: <ul style="list-style-type: none"> Plan showing activity layout 	Drawing No. BCL-EPS-2019-001

4 Changes to the activity

Have there been any changes to the activity boundary?	No
Have there been any changes to the permitted activities?	All permitted activities associated with the IVC facility have ceased at the site.
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	No

5 Measures taken to protect the land

All protection measures necessary to protect the land were installed during the construction of the in-vessel composting facility:

- Impermeable concrete floor for the full footprint of the building. The concrete remains intact.
- Fully sealed internal drainage system with all water collected and used in the AD facility.

6 Pollution incidents that may have had an impact on land and their remediation

There are no known pollution incidents at the site.

7 Soil gas and water quality monitoring

None required

8 Decommissioning and removal of pollution risk

The IVC facility building is being adopted into the environmental permits for the adjacent AD and materials recycling facilities. The area of the building to be covered by the AD environmental permit have been separated from the area to be covered by the MRF environmental permit to the satisfaction of the local Animal Health Office and as required by the Animal by-product Regulations.

9 Reference data and remediation

None required

10 Statement of site condition

The environmental permit area is comprised of an in-vessel composting facility building and an area of hardstanding in front of the building. The whole of the permitted area is covered in impermeable concrete. There is no evidence of contamination prior to construction of the IVC and no known pollution incidents occurred during the operation of the facility. The IVC building was designed such that the risk from pollution from the operations inside the building is negligible. It is not considered necessary to carry out an intrusive site investigation of the site in order to collect soil, gas or water monitoring data.

The IVC building has been decommissioned to the satisfaction of the local Animal Health Office. The land covered by the IVC facility environmental permit is in a satisfactory condition.