

Compliance Assessment Report CAR_NRW0050018

Permit being assessed: CB3391ZY
 For: Bryn Aggregates Ltd, held by Bryn Aggregates Ltd
 At: Gelliargwellt Farm, Gelligaer, Hengoed, Caerffili, CF82 8FY.

Type of assessment carried out: Site Inspection, Reason: Routine.
 On 26/11/2025, between 13:32 and 13:55.
 Parts of permit assessed: All permit

NRW Lead Officer: Gavin Summerhill.
Report sent to: Jennifer Price, Bryn Power Ltd, on 28/11/2025.

1. Summary of our findings (full details in section 4)

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
WQ-A1 - Water Quality - Management - General management	Assessed (A)	
WQ-C1 - Water Quality - Emissions and monitoring - Emissions to water	Assessed (A)	
WQ-D1 - Water Quality - Information - Records	Assessed (A)	

Result types are explained in more detail in the 'Important Information' section below.

2. What action is required?

No action required.

3. What will happen next?

Any non-compliance we have identified and recorded on this form is an offence. It can result in criminal prosecution and/or suspension or revocation of your permit.

At this time, we do not intend to take any further action.

This statement does not stop us from taking additional enforcement action if further relevant information comes to light or offences continue.

4. Details of our assessment

Site report

On Wednesday 26th November 2025 I arrived at Bryn Aggregates Limited's Bryn Quarry site at Gelliargwellt Farm, Gelligaer, Hengoed CF82 8FY to carry out a permit inspection of the settlement lagoon treatment system. Permit number EPR- CB3391ZY.

I met with Jenifer Price (Site Manager) who agreed to escort myself around the site.

The weather conditions were overcast with recent heavy rainfall. My site inspection commenced at 13.35.

Observations

I first identified the settlement lagoon. There was evidence of silt at this location however this was minimal. The suspended solids appeared to be settling sufficiently before the final discharge. Please see Fig 1 below.

Settlement Lagoon (Fig 1)



I proceeded to identify the discharge point at National Grid Reference ST 12437 96214. I can confirm this is accurate as stipulated by the permit. Please see Fig 2 below.

Discharge NGR (Fig 2)



Due to the recent heavy rainfall the flow was high as to be expected. The discharge appeared

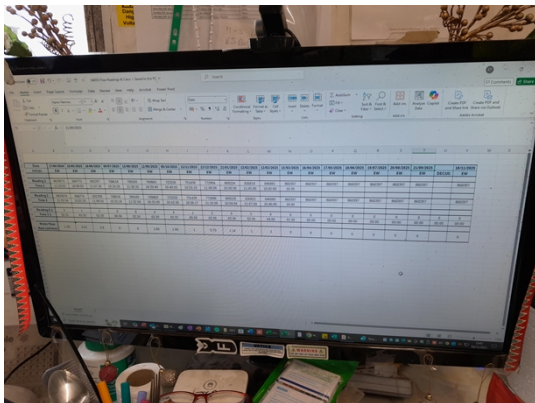
clear, free from solids and there were no odours present. No oil or grease was observed. Please see Fig 3 below.

Discharge (Fig 3)



At this point I had a discussion with Jennifer regarding sampling and flow data queries previously raised during the last permit inspection. Jennifer advised instantaneous/spot sampling of flow rate and emissions is now being carried out at the discharge location. Flow data and emission limits data was available at the time of my visit. Please see Fig 4 and 5 below.

Flow data (Fig 4)



Emissions data (Fig 5)

Certificate of Analysis																
Samples Taken																
Samples Received																
Sample ID	Units	Acord.	SW D15	SW D16	SW D17	SW D18	SW D19	SW D20	SW D21	SW D22	SW D23	SW D24	SW D25	SW D26		
11	Client Sample Reference															
12	Certificate of Analysis Reference No.															
13	Analysis Reference No.															
14	Alkalinity	mg/l CaCO ₃	A	200	161.22	133	124	121	123	128	125	87.2	99.7	101	96.1	
15	Ammonia	mg/l as N	A	2.2	0.37	0.31	0.27	0.25	0.17	0.23	0.18	0.16	0.26	0.09	0.17	0.13
16	BOD	mg/l O ₂	A	16.3	2.41	2.5	2	2.1	3	3.9	3	0.5	4.7	4.4	1.7	
17	COD	mg/l O ₂	A	50.8	11.54	29	30	19	<2	10	14	<2	2	27	11	<2
18	Chloride	mg/l	A	250	17.18	18.24	13.3	13.2	14.3	15.4	15.1	21.7	15.5	16.7	15.3	16.5
19	Conductivity	µS/cm	A	25	408	457.64	456	389	438	368	9.9	8.8	424	10	366	378
20	Dissolved Oxygen	mg/l O ₂	A	889.9	8.18	8.5	8.8	8.1	8.4	540	647	11	423	10.5	11.2	9.7
21	Fluoride	mg/l	A	55	0.807	0.17	0.08	0.1	0.13	0.13	0.1	0.12	0.17	0.15	0.11	0.19
22	Nitrate	mg/l N	A	50	44.44	4.66	10.1	4.1	2.2	<0.3	12.6	11.8	2.1	10.5	5.5	7.8
23	Sulphate	mg/l	A	400	104.8	93.96	54.3	126	73.5	73.4	117	141	72.9	40.6	54.6	65.7
24	Sulphide	mg/l S	A		<0.050					<0.10	<0.050	<0.050	<0.050	<0.10	<0.10	
25	Suspended Solids	mg/l	A	80	171.6	20.47	10.4	<1.5	10	3.2	4.4	3	5.8	13.2	2.8	8
26	Total Organic Carbon	mg/l C	A	100	24.93	16.3	29.1	47.6	21.6	8.7	23.6	18.1	17.4	31.9	25.3	22.9
27	pH	ppm	A	6.5-8.5	8.1	7.25	7.6	7.5	7.1	6.8	7.1	7.1	7.2	6.8	7	6.9
28	Total Sulphur	mg/l S	A		140.8	36.00					24.3					
29	Aluminium (Dissolved)	mg/l	A	200	100.9	19.27	195	71.9	33.7	<0.9	12.8	194	16.4	415	72.8	118
30	Arsenic (Dissolved)	mg/l	A	50	3.2	0.62	<0.20	0.3	0.4	<0.2	0.3	0.4	0.3	1.6	0.3	0.4
31	Boron (Dissolved)	mg/l	A	2000	83.9	33.71	13	<6.5	32.7	<6.5	29.7	24.6	13.8	35.3	32.3	<6.5
32	Cadmium (Dissolved)	mg/l	A	0.05	6.35	2.28	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.11	<0.11	<0.11
33	Calcium (Dissolved)	mg/l	A	200	100.7	57.94	31.7	121	38.6	36.3	49.1	66.3	44	40.1	35	27.9
34	Chromium (Dissolved)	mg/l	A	4.7	11	4.98	<1.0	1.7	1.8	1.4	2	1.7	<1.0	2.7	1.6	2.8
35	Copper (Dissolved)	mg/l	A	10	10.7	2.99	<0.8	0.8	<0.8	1	1.8	6.1	3.8	333	8.9	1.7
36	Iron (Dissolved)	mg/l	A	100	45.52	121	220	254	455	560	628	742	669	689	3488	666
37	Lead (Dissolved)	mg/l	A	14	10.7	6.52	6.8	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
38	Magnesium (Dissolved)	mg/l	A		65.2	24.28	15.8	24.3	21.7	22.1	28	26.6	19.9	19.1	17.7	17.5

This concluded my inspection. I left site at 13.55.

Breaches of permit condition:

No breaches observed.

Action required by date specified:

No actions required.

Contact details:

If you have any queries regarding this CAR form or to provide an update on any actions above, please contact me using the following details:

Gavin Summerhill (Environment Officer)

gavin.summerhill@cyfoethnaturiolcymru.gov.uk

If we do not receive the information requested within specified deadline and have not been informed as to why there is a delay then we may serve a Regulation 60 Notice requiring the information under Environmental Permitting (England and Wales) Regulations 2016.

If you have any queries about this report, or to discuss completion of any actions, please contact the NRW Officer named above.

Important information

Legal status of this report

Your permit is issued to you under the Environmental Permitting Regulations. You have a responsibility to comply with the conditions of your permit and prevent pollution/harm to the environment. You must also ensure that you comply with any other relevant legislation that may apply to your site's operations.

This report explains the findings of our assessment and any action you are required to take. We categorise non-compliance using our guidance for assessing non-compliance at regulated sites.

When we find potential non-compliance/s we will normally give you advice on how to maintain compliance.

To correct non-compliance, we may:

- require you to take specific actions
- issue a notice
- review the conditions of your permit.

Any advice and guidance we give will be without prejudice to any other enforcement response that we consider may be required.

Assessment results and non-compliance categories (used in section 1):

Assessment result	Description
Assessed (A)	Assessed or assessed in part, no evidence of non-compliance found
Action only (X)	Action only relating to the activity assessment
Ongoing (O)	Ongoing non-compliance, not scored

Non-compliance category	Description
C1 Major	Potential to have a major, serious, persistent and/or extensive impact or effect on the environment, people and/or property
C2 Significant	Potential to have a significant impact or effect on the environment, people and/or property
C3 Minor	Potential to have a minor or minimal impact or effect on the environment, people and/or property
C4 No environmental impact	Non-compliance at a regulated site that cannot foreseeably have any impact on the environment, people and/or property

If your assessment result in Section 1 is suspended, what does this mean?

In line with our guidance, we may suspend non-compliance for up to six months to allow time for remedial action to be taken. These will be re-instated if the action is not completed.

Full list of water quality action criteria (used in section 1 and 2):**WQ A: Management**

- WQ-A1 General management

WQ B: Operations

- WQ-B1 Permitted activities
- WQ-B2 The site
- WQ-B3 Operating techniques
- WQ-B4 Improvement programme
- WQ-B5 Pre-operational conditions

WQ C: Emissions and monitoring

- WQ-C1 Emissions to water
- WQ-C2 Emissions to land
- WQ-C3 Emissions of substances not controlled by emission limits
- WQ-C4 Installation of monitoring boreholes

WQ D: Information

- WQ-D1 Records
- WQ-D2 Reporting
- WQ-D3 Notifications

Enforcement response

Any permit condition non-compliance is an offence and we may take legal action against you. Action we take can include prosecution, serving a notice on you and/or suspension or revocation of your permit. See our Enforcement and Sanctions Guidance for further information.

Data protection notice

You should make sure that anyone named in this report knows that the information it contains will be processed by Natural Resources Wales to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s).

We may also use and/or disclose the report in connection with:

- offering or providing you with our literature or services relating to environmental matters
- consulting with the public, public bodies and other organisations (e.g. Health and Safety Executive, local authorities) on environmental issues
- carrying out statistical analysis, research and development on environmental issues
- providing public register information to enquirers
- investigating possible breaches of environmental law
- assessing customer service satisfaction and improving our service
- Freedom of Information Act or Environmental Information Regulations requests.

We may also pass it on to our agents or representatives to do these things on our behalf.

Disclosure of information – this report will be available to view on-line

If you think this report contains commercially confidential information that should not be placed on our public register, you must contact your local Natural Resources Wales office within **fifteen working days** of receiving this report, using the contact details in the accompanying email or letter. You must give a full explanation of why it should not be

added to our public register, including specifying which information is commercially confidential. We will assess your request and respond to you within 20 working days to let you know if we agree to your request.

What do I do if I disagree with the report or have a complaint?

If you disagree with this compliance assessment report, you should contact the lead officer without delay to discuss your concerns.

If you are unable to resolve the issue with the lead officer or their line manager you should contact our Customer Contact team on 0300 065 3000 (Monday to Friday 08:00 – 18:00), or email enquiries@naturalresourceswales.gov.uk for details of how to raise your dispute further through our Complaints and Commendations procedure.

If you are dissatisfied with our response, you can contact the Public Services Ombudsman for Wales by phone on 0300 7900203 or by email at ask@ombudsman.wales

Welsh Language Standards

We are committed to establishing Natural Resources Wales as a naturally bilingual organisation. We will provide compliance reports in your preferred language.