

Compliance Assessment Report CAR_NRW0049273

Permit being assessed: AN0393401

For: GLYNGAER ROAD GELLIGAER CAERPHILLY, held by PERSIMMON HOMES LTD
At: DEVELOPMENT AT GLYNGAER ROAD, GELLIGAER, CAERPHILLY, WALES, CF82 8FJ.

Type of assessment carried out: Site Inspection, Reason: Routine.

On 28/08/2025, between 11:05 and 11:55.

Parts of permit assessed: Site infrastructure and operations

NRW Lead Officer: Elis Nuttall.

Report sent to: DCWW, Water Industry, on 02/10/2025.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
WQ-B3 - Water Quality - Operations - Operating techniques	C3 Minor	4 - Sample Point
WQ-A1 - Water Quality - Management - General management	Action only (X)	
WQ-A1 - Water Quality - Management - General management	Action only (X)	
WQ-B3 - Water Quality - Operations - Operating techniques	Action only (X)	
WQ-B3 - Water Quality - Operations - Operating techniques	Action only (X)	
WQ-B3 - Water Quality - Operations - Operating techniques	Action only (X)	
WQ-B2 - Water Quality - Operations - The site	Action only (X)	

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

2. What action is required?

Criteria	Action needed	Complete by
WQ-B3	Clear vegetation and remove the waste present so that the sample point can be identified and accessed. Evidence of this work shall be provided to NRW.	02/11/2025
WQ-A1	Investigate the root ingress into the wet well and assess if any maintenance is required. Results of the assessment and associated works (if required) should be communicated with NRW.	02/11/2025
WQ-A1	Investigate and assess the corrosion present on some of the wet well infrastructure. Any maintenance required should be	02/11/2025

Criteria	Action needed	Complete by
	notified to NRW and evidence of works undertaken provided.	
WQ-B3	Provide evidence of the most recent telemetry systems maintenance and calibration.	16/10/2025
WQ-B3	Provide evidence of the most recent pump (duty and standby) service and maintenance records.	16/10/2025
WQ-B3	Confirm, with evidence, when the wet well was last cleansed.	16/10/2025
WQ-B2	Confirm the total storage capacity of the SPS.	16/10/2025

Action criteria codes are listed in the 'Important information' section below.

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 Visit Report

This report details the site visit made by Natural Resources Wales (NRW) on the 28/08/2025 to Glyngaer Road SPS (Roman Gate SPS) operated by Dŵr Cymru Welsh Water (DCWW), permit reference number EPR-AN0393401.

I (NRW Environment Officer Elis Nuttall) attended Glyngaer Road SPS at 11:05 for a water quality permit compliance inspection where I met with the DCWW Catchment Performance Manager (MM). The weather was overcast with intermittent rain during the visit.

General Observations

This permit consents a water discharge activity for the discharge of sewage in an emergency from a Sewage Pumping Station (SPS) via an outlet to Nant Cylla at ST1396497236. An emergency, as defined in the permit, is a period when the SPS is inoperative as a result of electrical power failure, mechanical breakdown of duty and standby pumps, rising main failure or a blockage of the downstream sewer which is not due to the act or default of the operator. There are no set composition limits for the EO discharge, only that it passes through a screening device with apertures no greater than 10mm prior to discharging. The sample point of the EO is listed to be located at ST1393997211.

The site was operational at the time of the visit.

Initial Discussions

I began my inspection by running through the site's regulatory history. While this was my

first regulatory inspection of this asset, NRW have conducted inspections in 2020 and 2023, with no breaches or actions noted on either occasion.

Since the last visit, MM noted that there have been no major failures or faults with the asset infrastructure with only routine management operations taking place. This was reflected in the site log book which evidenced general maintenance, cleaning and a telemetry upgrade in June 2024 (part of the “Diffodd” project to upgrade remote monitoring sites to use digital/IP based comms media only).

We then proceeded to inspect the site infrastructure.

Site Infrastructure

The site compound is secured by a fence and all the control panels and electrical systems are housed within a secondary locked control box. Site access and condition was good with no obstructions present, with clear signage in place displaying the required information on the asset. General site conditions and the observations above can be seen in Figure 1.

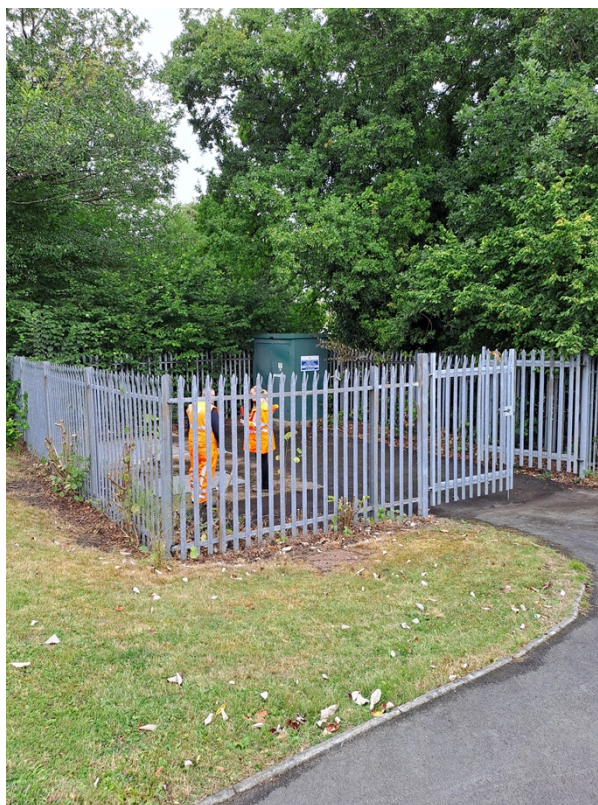


Figure 1 – General site conditions as observed during the visit.

The wet well was inspected and found to be of concrete construction with no clear cracks or defects present, however some minor root ingress was observed. I requested that this be investigated and risk assessed by DCWW and is reflected in the actions list below. Additionally, there was some corrosion present on the metal infrastructure components within the wet well. As with the root ingress, please assess and address this as an action (reflected below). The wet well cleaning regime was queried and MM noted that this was

undertaken on a visual inspection basis. Evidence of when this was last undertaken was requested and actioned. A 10mm screen was observed to be in place and free of debris. These observations are evidenced in Figure 2.



Figure 2 – A view of the wet well as observed during the visit. The discharge outlet can be see with the 10mm screen in place.

Telemetry systems (level sensor, flow and EDM monitors) are in place and were stated to have been upgraded in 2024 (as noted above). These systems were noted to be on a 4 year maintenance programme, to which I requested details on the last service and calibration. These observations are evidenced in Figure 3.



Figure 3 – The wet well where telemetry systems can be seen.

MM explained that the SPS has two pumps, 1 duty and 1 standby which work on an alternating system. There were no obvious or concerning noises from the pumps at the time of the visit indicating appropriate maintenance and no excessive wear. It was stated that the pumps are on a 2-yearly servicing programme, of which I requested evidence of the most recent servicing records (see actions list for details).

The valve chamber was opened and observed. The infrastructure was in good operational condition with no excessive corrosion present. A tankering point for the asset is located within this chamber. It is noted that this chamber did not pose a safety grate. While not a permit requirement, an advisory comment to review the H&S aspect of its omission has been added. These observations are evidenced in Figure 4.



Figure 4 - The valve chamber as observed during the visit.

The storage capacity of the wet well was stated to be 6.75m^3 , as confirmed by the operational condition in the site log book (Figure 5). While this note outlines that the required storage capacity for the number of properties is 5.6m^3 , the permit stipulates that the storage capacity should be *“equivalent to a total of at least 8.6m^3 shall be provided in the pumping station, above the wet well design top water level”*. I queried this discrepancy and asked if there was any additional storage but MM could not provide this information at the time of the visit. I requested that this be investigated and the full storage capacity of the SPS be confirmed based on the technical specifications held by DCWW. This is reflected in the actions list.

24 hour access to tank	
Access available for tanker	No
CUSTOMER CARE	
Requires landowner co-operation with access	None reported to DCWW
Any flooding issues	None
Any previous AM, MP, NRW involvement	No access issues
Any previous AM, MP, NRW involvement	Dedicated 3ph supply
24 hour access to tank	
Shared power supply	
TECHNICAL	
O&M manuals	Available
Drainage Layout drawings	In DS file
Drainage Layout drawings	Known and mapped
Route of rising main mapped	Available
Utility information available	Not available
Planning permission	35 domestic properties
Properties served	No extra storage
Emergency Storage (Online/Offline/CSO)	Duty/Assist
Pump arrangements (duty/assist/standby)	N/A domestic only
Trade Effluent involvement	
EMERGENCY OVERFLOW	
Emergency overflow (Yes/No)	Yes
Route of EO mapped	Sent to GIS for mapping
EA Discharge Consent Reference	AN0393401
EA Discharge	150mm
Diameter of EO	10mm grill
Screen Size	Yes
Provision for standby generator	Required
Spill Monitoring	
OPERATIONAL CONDITION	
Pollution risk	Low risk - EO with consent
Condition of wet well	No risk - good condition
Pedestrian and vehicle access	No risk - access available
Lifting equipment, davit sockets and guide rails	No risk - good condition
Pumps and pipework	No risk - good condition
Panel and electrical equipment	No risk - good condition
NICEIC certificate	To be provided on transfer
Kiosk condition	No risk - good condition
Covers	No risk - good condition
Fencing and gates	No risk - good condition
Environmental	No lighting in area
OSPAR	N/A - domestic only
Asbestos	No risk - built post 2000
Volume of Storage	6.75m³ emergency storage in wet well
Odour	5.6m³ required for number of properties
	One historical odour complaint on PS in 2011
LEGAL	
Adverse of owners / title	Persimmon Homes

Figure 5 – An excerpt from the site log book noting the SPS's specifications, including storage capacity.

The control box and panels were inspected and found to be in good condition with no damage or condensation present (Figure 6). An emergency stop function and backup generator point were both present (Figure 7). All readouts were clear and in good working order at the time of the visit.



Figure 6 – The control panels and systems as observed during the visit.



Figure 7 – The emergency stop function and backup generator point in place as observed during the inspection.

The sample point was inaccessible during the visit. The sample point, stipulated to be located at ST1393997211, was restricted by vegetation growth and what appeared to be deposited grass and foliage cuttings (Figure 8). It is unclear who undertook this work but it is the responsibility of the consent holder to ensure that the sample point is accessible at all times. As a result a minor breach has been given and an action added to undertake grounds maintenance to uncover and identify the sample point. Evidence of this work, once completed, shall be provided to NRW. See the actions list for further details.



Figure 8 – The vegetation and waste restricting access to the sample point as observed during the visit.

The discharge point (listed to be located at ST1396497236) was also inaccessible/unobservable at the time of the visit due to heavy vegetation growth as seen in Figure 9. However, access to the discharge point is not a permit requirement so not a breach of any conditions. As such, a future visit will be conducted when vegetation growth is reduced in an attempt to confirm the location of the discharge point.



Figure 9 – Heavy vegetation growth restricting the location of the discharge point at the time of the visit.

No further observations were made during this inspection.

Final Discussions

I outlined my observations and actions to MM who raised no further questions on the inspection.

I left site at 11:55.

Breaches of permit conditions

Below are the permit breaches that were identified during the site inspection.

CATEGORY 3 BREACH – PERMIT CONDITION 4 – Sample Point

A sample point shall be provided and maintained at National Grid Reference ST1393997211, as shown marked 'Sample Point' on Plan AN0393401, so that a representative sample of the Discharge may be obtained.

Access to the sample point was restricted by vegetation growth and deposited vegetation waste. This constitutes a minor breach to permit condition 4 and as such has been scored accordingly.

Please see report content for further justification and an action to rectify the breach below.

Actions required by dates specified

1. Clear the vegetation and remove the waste present so that the sample point can be identified and accessed. Evidence of this work shall be provided to NRW.

Deadline: 02/11/2025

2. Investigate the root ingress into the wet well and assess if any maintenance is required. Results of the assessment and associated works (if required) should be communicated with NRW.

Deadline: 02/11/2025

3. Investigate and assess the corrosion present on some of the wet well infrastructure. Any maintenance required should be notified to NRW and evidence of works undertaken provided.

Deadline: 02/11/2025

4. Provide evidence of the most recent telemetry systems maintenance and calibration.

Deadline: 16/10/2025

5. Provide evidence of the most recent pump (duty and standby) service and maintenance records.

Deadline: 16/10/2025

6. Confirm, with evidence, when the wet well was last cleansed.

Deadline: 16/10/2025

7. Confirm the total storage capacity of the SPS.

Deadline: 16/10/2025

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.

Other advisory comments

1. Assess the H&S policies and procedures regarding the need for a safety grate over the valve chamber. Note this is not an action and no updates will be requested.

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: Elis Nuttall, Environment Officer,

elis.nuttall@cyfoethnaturiolcymru.gov.uk, 03000 65 4651.

Thank you,
Elis Nuttall.

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.