

## Compliance Assessment Report CAR\_NRW0040087

**Permit being assessed:** AW1002901

For: LLANDRINDOD WELLS STW PARK LANE, held by DWR CYMRU CYFYNGEDIG  
At: LLANDRINDOD WELLS STW, PARK LANE, LLANDRINDOD WELLS, POWYS, LD1 5NN.

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

On 22/06/2022, between 11:55 and 12:40.

Parts of permit assessed: See Criteria Below

**NRW Lead Officer:** Robert Harding.

**Report sent to:** CARS Mailbox, CARS Mailbox, on 01/07/2022.

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

| Part of permitted activity assessed (criteria)        | Assessment result | Permit condition |
|-------------------------------------------------------|-------------------|------------------|
| WQ-A1 - Management - General management               | Assessed (A)      |                  |
| WQ-B1 - Operations - Permitted activities             | Assessed (A)      |                  |
| WQ-B2 - Operations - The site                         | Assessed (A)      |                  |
| WQ-C1 - Emissions and monitoring - Emissions to water | 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

This was a pre-planned OSM site inspection carried out by Natural Resources Wales Officer Robert Harding. I was shown around the site by the following DCWW representatives

Lowri Davies- Operations Supervisor

James Jones – ICA Technician

Chris Edwards- Catchment Management

Owen Bowers– Process Scientist

The weather during the visit was very dry and warm, following a prolonged dry period. We were shown through the works from inlet through to the outfall.

#### General Observations

The STW is filter bed works containing four filter beds, and ferric dosing for phosphorous removal. It is attended daily by DCWW staff and telemetry is in place for monitoring. There is a storm discharge present under Permit AN0357501. The site also has additional SAF tanks which are usually offline but can be used when ammonia readings are high.

#### Inlet and Storm

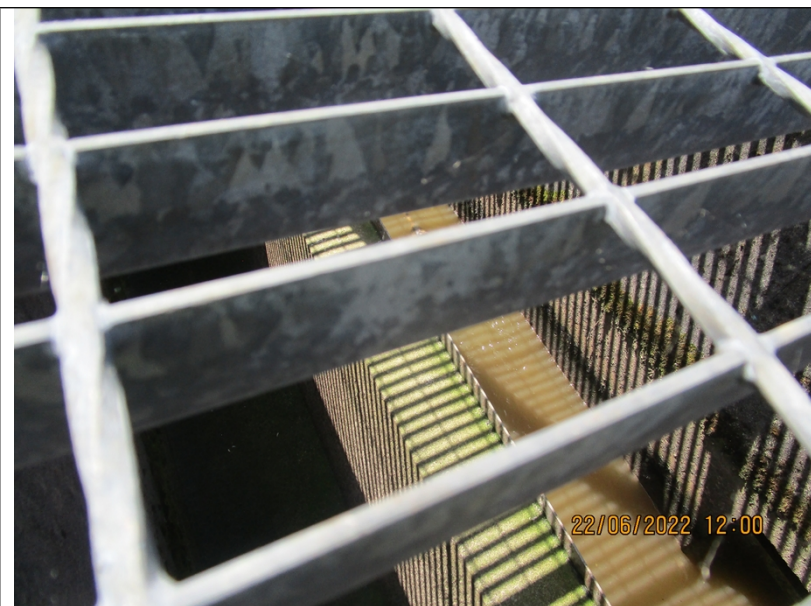
The incoming flow comes into the works through several pumping stations in the nearby area. There is an MCERTs flow monitor in operation.

The inlet of the works is raised and the top of the site. There is a step/elevator screen in place to remove any rag and large solids. At the time of visit this was not raising as expected. When questioned on this DCWW staff confirmed that they in the process of getting the screen repaired, an OPNOT may have been raised for this issue. The screen was still in situ and was therefore screening material from the incoming flow. There did not appear to be any significant solids passing through.

There is a bypass screen which flow can be diverted through if required. This is activated manually using penstocks to change the flow channel at the inlet of the works. This was not being used at the time of inspection.

The inlet appeared to be running clear of any contamination or blockages. There were not signs of solids or rag present at the inlet. The storm weir in place is hard-set. At the time of inspection, incoming flows were well below the weir height, and no storm discharge was occurring. The storm channel was clear of any solids or rags,





The UWWTD Sample point was signposted and easily accessible

#### Primary Settlement and Ferric Dosing

The flow from the inlet of the works is then received ferric dosing, which is added before the flow is distributed to the primary settlement tanks. A motor is in place to mix in the ferric dose, this was clearly operational whilst on site.

The works has two circular primary settlement tanks with rotating bridges and scum scrapers.

The right-hand settlement tank bridge was not rotating when we arrived for the visit. This did not appear to be causing any solids to pass over into the outfall channel. The scum boards within the tank were clearly holding back solids as designed. In the time during the inspection DCWW staff were able to resolve the problem and bring the bridge back into operation.

There were no signs of significant solids carrying over from either of the settlement tanks. Both outfall channels appeared to be running clear.

The flow is then sent to a distribution chamber, which distributes the flow to the 4 filter beds on the site.





#### Filter Beds

The site has 4 rotating distributor arm filter beds. Filter bed 4 is a newer self-contained stone media filter, which is located uphill from the remaining 3. This filter appeared in good working order and the rotating arm was moving freely, without blockages and was distributing effectively. There is some vegetation grown on the filter media, however this is not hindering the rotation of the arm or spreading of flow into the filter media. There were no signs of ponding observed.



Filter Beds 1-3 are also rotating distribution arms onto stone media, however all three are contained within one large rectangular filter bed housing, which contains stone media of approximately 2m deep. Each filter bed is clearly labelled. All three filters appeared in good working order, there were no signs of blockages within the distribution arms. The filter beds had only minor vegetation present and there were no signs of ponding. There is rotation arm monitoring equipment in place, to alert staff if a filter stops turning.



The filter beds on site appear in good working order. The outfall from the filter beds was running clear. This then passes through a distribution chamber, leading to the humus tanks.

#### Humus Tanks

There are two rectangular “Dortmund” type settlement tanks in use, which have a scum retaining board. Solids are retained behind this board and settle down into the tapered edges into the centre of the tank for collection. The humus tanks appeared to be operating effectively and there were no signs of solids in the outfall channels. There was a layer of duckweed present on these tanks tank, however this was largely contained within the scum boards. The eluent from the tank appeared clear and free flowing with no signs of concerns



There is a single radial humus tank with a rotating bridge and scum scraper. This appeared in good working order. There were no signs of solids passing over into the outfall of the tank and the effluent appeared clear.



#### Outfall and Sampling point

The Final effluent sampling point was clearly marked and easily accessed. The chamber appeared clear, and effluent was flowing freely. There were no signs of solids or contaminants within the effluent. The UWWTV final effluent sampling point was clearly labelled and accessible.



The outfall into the watercourse was not checked due limited access.

#### Storm Tank and Sludge Tanks

The site has a single large storm tank on site, which can be pumped back to the head of the works. I was not able to visually check if the storm tank was empty. There is EDM in place for the storm channel which can be checked if required.



The works has 2 sludge holding tanks, both of which are in use and have level meters present.

#### Advisories

The site is quite overgrown with vegetation. Currently this is not impacting on the treatment process, however this could lead to issues with access etc. This was discussed whilst on site and requests have been made for cutting back the growth and this should be completed soon.

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](mailto: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](mailto: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.