

## Compliance Assessment Report CAR\_NRW0045623

**Permit being assessed:** BP3795FD.

**For:** Ferry Road Landfill, **held by:** The City of Cardiff Council

**At:** Ferry Road, Grangetown, Cardiff, Glamorgan, CF11 0JL.

**Type of assessment:** Site Inspection,

**Reason:** Routine.

**On:** 02/10/2024 between 10:00 and 15:00.

**Parts of permit assessed:** Site infrastructure & leachate levels.

**NRW Lead Officer:** Sally Wakeford, accompanied by Mostyn Wall, Susan Francis.

**Report sent to:** Matthew Long, Depot & Infrastructure Manager, on 11/11/2024.

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

| Part of permitted activity assessed (compliance criteria) | Assessment result | Permit condition |
|---|-------------------|------------------|
| W1A - Waste - Management - General management             | Assessed (A)      |                  |
| W3E - Waste - Emissions and monitoring - Monitoring       | Assessed (A)      |                  |

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

| Total non-compliances recorded | Total non-compliance score |
|--------------------------------|----------------------------|
| 0                              | 0                          |

How we use the non-compliance score to calculate your annual fee is explained 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

On 02 October 2024 a site inspection was undertaken by NRW Officers Sally Wakeford along with Mostyn Wall and Susan Francis from the Landfill Emissions Reduction Project Team.

The weather was dry and cloudy.

The site inspection was carried out in conjunction with a gas audit undertaken by Mostyn and Susan, which will be detailed under additional correspondence. This report does not mention any actions required relating to the gas infrastructure.

### **Site Walkover**

A walkover of the site was undertaken, including areas of the landfill not previously visited. The infrastructure which has been identified is typically well secured & relatively easy to locate. Some of the labelling was difficult to read, however generally each asset was identifiable.

The main plan used during the inspection which contained the majority of the infrastructure was difficult to read, with many of the gas assets marked by a small blue dot and unnamed. This however is more visible when viewed on a computer screen – although still not labelled with asset references. I am aware that you continue to find further assets are the continues to be investigated.

**ACTION: It would be advisable to compile a full infrastructure map showing all assets & each labelled.**

Some of the manholes covering the gas infrastructure were starting to become overgrown.

**ACTION: please ensure that the access to the infrastructure is maintained and are secure.**

### **Station D**

Investigations are still ongoing on the drainage system to Station D. Whilst investigations have been ongoing further infrastructure has been located, along with an input into the drainage system from an external source.

Weather is also a factor in delaying investigations, in that Manhole A, near Station D, requires over pumping direct to Station D so the connection can be surveyed by camera however the manhole fills too quickly following periods of rain to be maintained dry by over pumping to allow for the survey. A longer period of no rainfall is required to complete this.

### **Leachate Level**

There are 15 Observation Wells (OW) throughout the site, which are dipping points for the leachate wells and provide the leachate level. These points have been monitored monthly since March. The levels vary from well to well. Following the inspection Cardiff CC provided

the leachate level dipping results from March, the results appear to show a downward trend in the leachate head to AOD.

The Conceptual Site Model for the site shows the leachate head should sit at 4.5m AOD. When starting monitoring the leachate level it was originally measuring as 8-9m AOD, with a downward trend over summer, the results on average are sitting around the 6m mark currently. The downward trend throughout the year to date is promising, and shows the improvements made by Cardiff CC at the site to reduce the leachate level across the landfill.

#### **Actions from previous CAR form:**

Following the last inspection on 06/03/2024 and detailed in CAR\_NRW0043878 there were a number of actions which required action. Copied below, they include an update provided by the Operator.

- Closure Report/Aftercare Plan to be updated to include maintenance regime and site operations – ***Being updated.***
- Update to HRA following completion of 6 months monitoring – ***Monitoring is complete – HRA with Consultant.***
- Submission of permit variation application following completion of updated HRA. – ***See above.***
- Continue to investigate the root cause of why Pumping Station D leachate collection tank does not receive leachate to its full capacity or suggest alternatives which will provide the same functionality as the original design of the landfill – ***Additional investigations are continuing into the drainage system feeding station D, issues with rainfall hindering progress.***
- Undertake a DSEAR Risk Assessment and implement findings. – ***Complete.***
- Confirm the level of leachate within the landfill – ***Complete.***
- Provide an annual report/summary of the monitoring – ***ongoing.***

#### **Ongoing Actions:**

- Closure Report/Aftercare Plan to be updated to include maintenance regime and site operations.
- Update to HRA following completion of 6 months monitoring.
- Submission of permit variation application following completion of updated HRA.
- Continue to investigate the root cause of Pumping Station D issues.
- Provide an annual report/summary of the monitoring.
- It would be advisable to compile a full infrastructure map showing all assets & each labelled to easily identify them (should be part of the updated Closure & Aftercare Plan).
- Please ensure that the access to the infrastructure is maintained and they are secure (will be part of the maintenance schedule in the updated Closure & Aftercare Plan).

Thank you for taking the time to accompany officers around the site.

**END**

**Any compliance criteria not highlighted in the above summary should be considered as not assessed.**

**In this document 'Natural Resources Wales' means the Natural Resources Body for Wales established by Article 3 of the Natural Resource Body for Wales (Establishment) Order 2012.**

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 of 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   | Score |
|----------------------------|---|-------|
| C1 Major                   | Potential to have a major, serious, persistent and/or extensive impact or effect on the environment, people and/or property | 60    |
| C2 Significant             | Potential to have a significant impact or effect on the environment, people and/or property                                 | 31    |
| C3 Minor                   | Potential to have a minor or minimal impact or effect on the environment, people and/or property                            | 4     |
| C4 No environmental impact | Non-compliance at a regulated site that cannot foreseeably have any impact on the environment, people and/or property       | 0.1   |

### How we use assessment scores

The number and severity of non-compliances recorded in a year will affect your annual subsistence fee the following year. A non-compliance factor is added to your site's Operator

Performance Risk Appraisal (OPRA) score when we calculate your fee to reflect the additional resource we use to assess permit compliance.

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

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

**Full list of Waste compliance criteria** (used in section 1 and 2):

**1. Management**

- W1A – General management
- W1B – Energy Efficiency (MCP/SG facilities only)
- W1C – Avoidance, recovery and disposal of wastes produced by the activities

**2. Operations**

- W2A – Permitted activities
- W2B – Waste recovery plan
- W2C – Operating techniques
- W2D – The site
- W2E – Waste acceptance
- W2F – Technical requirements
- W2G – Improvement programme
- W2H – Pre-operational conditions

**3. Emission and Monitoring**

- W3A – Emissions to water, air or land
- W3B – Emissions of substances not controlled by emission limits
- W3C – Odour
- W3D – Noise and vibration
- W3E – Monitoring
- W3F – Pests
- W3G – Fire

**4. Information**

- W4A – Records
- W4B – Reporting
- W4C – Notification

**Enforcement response**

Any non-compliance with a permit condition 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 twenty 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 to 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.