

Compliance Assessment Report CAR_NRW0039589

Permit being assessed: LP3439HM.

For: Roath Dock Treatment and Recycling Centre NRW/EPR/LP3439HM/V003, held by Castle Waste Services Limited

At: Roath Dock Transfer Station Old Clipper Road , Roath Dock, Cardiff, CF10 4LX.

Type of assessment carried out: Report/Data Review, Reason: Routine.

On 09/03/2022 - 21/03/2022.

Parts of permit assessed: Groundwater and soil monitoring

NRW Lead Officer: Geraint Harris.

Report sent to: Dave Humphriss, Technical Director on 21/03/2022.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
C4 - General Management - Storage, handling labelling and Segregation	Assessed (A)	
G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment	Assessed (A)	
B1 - Infrastructure - Engineering for prevention and control of emissions	Assessed (A)	

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

Total number of 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

Castle Waste Services Limited EPR/LP3439HM

During the previous site visit (28th January 2022) it was noticed that a lot of old hazardous waste labels were still on the containers. Castle stated that they like to keep the old stickers on the containers so that the onward sites can identify the types of material that the containers once stored. However, castle were reminded that it is important that these containers are identified as empty. Subsequently the following action was issued in the previous C.A.R. Form (CAR_NRW0039332) "Castle should commence sticking non-hazardous empty stickers on these containers. Furthermore, they should either remove the old stickers or mark them in way that shows they are no longer applicable to those containers". On the 9th March 2022 Castle responded to this action stating "washed and empty IBCs are now labelled to indicate their status. Also, old labelling is either removed or marked out using yellow paint - we have selected this colour as it is clear that the containers no longer contain those wastes, but it provides some traceability of previous contents". NRW welcomes these changes and considers this action complete.

As mentioned in the previous C.A.R Form (CAR_NRW0039332), Castle were required to submit a response to improvement condition 3 (IC3). This condition requires the development and submission of a Fire prevention and mitigation plan (FPMP) against the standards set out in FPMP guidance. It was deemed reasonable that IC3 could be closed out by reviewing the list of relevant wastes and providing a declaration that these would not be accepted onto site until suitable controls were implemented and agreed to by NRW. In the previous C.A.R. Form, NRW, accepted this proposal and requested that Castle produce a policy document that states that the site will not accept the waste EWC codes in question. Consequently, NRW received '1.1.1.3.1 Policy for the acceptance of combustible wastes (Cardiff)' on the 9th March 2022. This policy document has been created as an addendum to the Cardiff Pre-Acceptance Procedure. This policy outlines the waste types that are included on the site permit that will not be accepted at the site without prior agreement from NRW. Any deviation to those proposals shall require agreement from NRW. This approach and policy document has been accepted by NRW. Action considered closed.

During my visit on the 28th January 2022, I observed that the Filtrate bath required additional containment. Castle Waste have since provided photographs of a new containment bund around the perimeter of the pad which should ensure any leaks from this tank will be collected within the existing bunded area. This matter is now considered closed.

Site Condition Report

Permit condition 3.1.3

"Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination"

MJCA were commissioned by Castle Environmental to undertake a site investigation at their waste recycling and treatment facility located at Old Clipper Road, Roath Dock, Cardiff, CF10 4LX . The permitted site has operated under a Waste Management Licence (WML), Pollution Prevention Control Permit or Environmental permit since 1977. Previous activities on the permitted site include a tank cleaning facility for oils and waste fuels, a hazardous waste treatment facility with the treatment and disposal of liquids, sludges and solids contaminated with hydrocarbons, metals and organic substances. In October 2002 the WML was transferred to Seaport Environmental Limited who operated a hazardous waste treatment facility with the treatment and disposal of liquids, sludges and solids contaminated with hydrocarbons, metals and organic substances. The Environment Agency Wales inspected the site on 28 January 2010 and issued a C.A.R. form

(A/100128/JP3231SW) together with a site audit report. In the site audit report the EA concluded that the site was overcrowded with waste to the extent that the storage of treated waste was extending onto non-permitted land and that the waste in the unpermitted area is stored on unmade ground with the potential to cause pollution to land. Corroded, damaged and leaking containers were observed which the EA considered represented an imminent risk from this site. In 2010 the permit was transferred from Seaport Environmental to Castle Environmental in 2010 and that the concerns identified in the CAR audit report were addressed by Castle Environmental.

This latest site investigation, undertaken by MJCA in May 2021, comprised the drilling of seven boreholes followed by the installation of monitoring facilities and one hand pit. Samples of made ground and groundwater were collected and submitted for chemical testing. The analytical data obtained during this investigation was compared to the analytical data presented in the 2001 site investigation report. The results of the chemical soil analyses carried out as part of the site investigation have been compared with published guideline criteria on the potential risks to human health from soil contamination for industrial and commercial land use. This preliminary assessment comprises a Generic Quantitative Risk Assessment (GQRA) whereby the data from the chemical testing are compared with published guideline generic assessment criteria (GAC) for industrial/commercial land use. A GQRA has also been applied to the groundwater chemical results which have been compared with water quality standards comprising mainly Environmental Quality Standards (EQS) for saltwater or 'other waters' (not inland waters) given the proximity of the estuary as a potential receptor. Several determinands were reported as exceeding the generic assessment criteria for soil and water. The concentrations of metals, phenols and TPH in most of the soil samples and groundwater samples were recorded with a similar range of concentrations to those recorded in the 2001 report. Total cyanide was recorded above the detection limit in samples of soil during this site investigation.

This recent investigation includes analysis for a broad range of determinands although given the historical activities on the site there is evidence that many of the organic compounds were associated with previous site activities. With regards to the cyanide levels, Castle Environmental do not manage such wastes at the site and it is thought that this is a result of the issues during Seaport's operations. Castle also state that it is likely that inorganic compounds including the metals and PAH compounds are associated with the made ground materials used in the reclamation of the land and are not necessarily associated with the waste treatment activities on site. Considering the past use and compliance history of the site, NRW accepts this report as satisfying permit condition 3.1.3. Going forward it is essential that all onsite incidents are recorded within the management system and that the same determinands are monitored in the next round of monitoring. Both are essential sources of information that are required at the point of permit surrender and help NRW's permitting team and Geoscience team assess the site condition against the permit surrender criteria.

End.

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.

What are suspended scores?

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 Industry and Waste action criteria (used in section 1 and 2):**A: Permitted activities**

- A1 Specified by permit

B: Infrastructure

- B1 Infrastructure – Engineering for prevention and control of emissions
- B2 Infrastructure – Closure and decommissioning
- B3 Infrastructure – Site drainage engineering (clean and foul)
- B4 Infrastructure – Containment of stored materials
- B5 Infrastructure – Plant and equipment

C: General management

- C1 General management – Staff competency/training
- C2 General management – Management system and operating procedures
- C3 General management – Materials acceptance
- C4 General management – Storage, handling, labelling and segregation

D: Incident management

- D1 Incident management – Site security
- D2 Incident management – Accidents, emergency and incident planning

E: Emissions

- E1 Emissions – Air
- E2 Emissions – Land and groundwater
- E3 Emissions – Surface water
- E4 Emissions – Sewer
- E5 Emissions – Waste

F: Amenity

- F1 Amenity – Odour
- F2 Amenity – Noise
- F3 Amenity – Dust/fibres/particulates and litter
- F4 Amenity – Pests/birds and scavengers
- F5 Amenity – Deposits on road

G: Monitoring and records, maintenance and reporting

- G1 Monitoring and records, maintenance and reporting – Monitoring of emissions and environment
- G2 Monitoring and records, maintenance and reporting – Records of activity, site diary/journal/events
- G3 Monitoring and records, maintenance and reporting – Maintenance records
- G4 Monitoring and records, maintenance and reporting – Reporting and notification to Natural Resources Wales

H: Resources efficiency

- H1 Resource efficiency – Efficient use of raw materials
- H2 Resource efficiency – Energy efficiency

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.