Cyfoeth Naturiol Cymru
Natural Resources Wales

Compliance Assessment Report CAR_NRW0039116

Permit being assessed: BV0759IC. For: Cardiff Rod & Bar Mill EPR/BV0759IC, held by Celsa Manufacturing UK Ltd At: PO Box 83 Cardiff Rod & Bar Mill Castle Works , East Moors Road, Tremorfa, Cardiff, South Wales, CF24 5NN. **Type of assessment carried out:** Site Inspection, Reason: Routine. On 10/12/2021 between 10:00 and 13:00. Parts of permit assessed: 1.1 **NRW Lead Officer:** Richard Taylor, accompanied by Lewis Evans. **Report sent to**: Hannah Powell, Environment Manager on 22/12/2021.

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

Part of permitted activity assessed (criteria)	Assessment result	Permit condition
E3 - Emissions - Surface water	Ongoing (O)	2.2.2.4

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?

Criteria	Action needed	Complete by
E3	Monitor limits as required. No release to Bute Dock of water exceeding parameters set.	31/12/2021

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

Celsa Rod and Bar Mill BV0759IC

follow up audit 10th Dec 021

Natural Resources Wales Officers carried out a follow up audit on 10th Dec 2021. This was linked to a previous audit carried out on 21st September 2021 where several items were raised. Site has now addressed the points as shown below.

1. Celsa to investigate and implement additional controls for the W1 Penstock to prevent operation of the release point to prevent accidental/malicious release into the dock.

Site have implemented several improvements to control the penstock valve which introduce more levels of security and reduce the risk of the valve being opened accidentally or maliciously. NRW are satisfied that the improvements made will increase security and lower the risk of pollution entering the Bute Dock from site. Note, Celsa's subcontractor Kurita need to sign off the new procedures in place to be fully adopted.

i. A short length of stainless-steel chain with one end welded to the floor prevents the penstock being opened without the padlock being removed.

ii. The padlock in place is now unlocked by a controlled key.

iii. The controlled key is held in a separate building and not adjacent to the penstock.

iv. The key must be signed out.

v. The key is under CCTV.

vi. Toolbox talks and training on access to the penstock have been communicated to staff.

2. Update the site Accident management plan (permit condition 2.8.1) with the detail of the additional measures chosen in above.

i. The updated plan was amid being signed off for adoption within the site organisation. Status – *ongoing.*

3. Establish ownership of the pipe from W1 to the release point into the East Bute dock.

i. The ownership of the pipe is a legacy issue from when the bypass road was built adjacent to the plant. The issue is currently sitting at Solicitor level between Celsa and Cardiff Council and is being worked through. Status – *ongoing.*

4. Site to produce the written maintenance regime and records of maintenance and inspection of the Clarifier tanks.

i. Site produced an inspection routine which was embedded into the plant maintenance schedule and routinely carried out whenever a scheduled shut down occurs which is a minimum once per year.

The plan is listed on the site internal maintenance system (SAP) and is scheduled periodically. It consists of headline tasks to be carried out. Sub-contracted specialist companies are scheduled to attend and provided with method statements and risk assessments. Copies of Celsa's Emergency risk checklist, Qualitech's method statement and Kurita's post cleaning report from the last shutdown between 13-24th Sept 2021 were provided.

A previous Category 3 non-compliance to permit condition 2.2.6 was applied to the site permit but suspended to allow site to produce the relative documentary evidence which they have now subsequently done. The non-compliance was listed for clarity but not scored. This was because site did not produce records of maintenance records of having a maintenance programme for plant and equipment whose failure could lead to an adverse impact on the environment at the time of the last inspection, - such as the clarifier tanks. Following this site inspection, Celsa showed that there is a scheduled periodic maintenance regime in place at the site –

Decision - the previous noncompliance against pc 2.2.6 on the pervious CAR form has been rescinded.

Internal inspection findings are not routinely written up as standard practice, however, they are acted upon immediately due to the tight window offered during a shutdown. Jobs are raised with works procedures and put out to tender. Celsa have a 3-year rolling health and safety plan which includes working in confined spaces. All areas have risk assessments applied and are inspected at least annually.

5. Carry out an inspection of site Concrete tanks, bunds, and sumps with immediate effect to ensure they are fit for purpose.

Site booked an inspection immediately and provided a report at the site meeting; 'Preliminary Structural Inspection – south clarifier'. A full inspection is scheduled for approximately May 2022 after the main pit is drained. No significant defects were identified on the south clarifier tank at the initial inspection.

6. Action – Site to carry out a BAT gap analysis where a review of the inspection and maintenance regimes for existing site tanks and bunds meets of doesn't meet current Steel sector BAT standards.

Site carried out the BAT gap analysis. With reference to BAT conclusions 9.1.1 concerning an effective EMS. Opportunities for improvements were identified in the structure of training, awareness of the permit requirements, Environmental policies, critical equipment, dock response plan, and addressing compliance. Also identified was the early adoption of environmental controls when designing new plant.

Site responded with placing the above improvements on a timeline.

7. Update the site EMS system with a list of tanks and bunds to be scheduled into periodic

inspection and maintenance, with the frequency of inspection, inspection and maintenance should align to CIRIA guidance. Item Detail (ciria.org).

This work is ongoing.

8. Site Tour

The site tour looked at the new key control arrangements for the penstock valve which were now in place and saw the changes had increased the security level of the penstock.

The penstock chain and lock were noted to have been put in place.

The South Clarifier tank was viewed and seen to be operating well.

Site have adopted the actions identified from the inspection on 21st Sept 2021 well and are working to close them all out.

Note NRW viewed the Bute Dock after the inspection and noted the clarity of the water appeared to be very good at the south edge. No oil or grease was observed on the surface. No odour was present, and o floating debris was seen. The wind direction at the time was blowing South to North.

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Monthly Monitoring returns

Water W1

August 2021 – Hydrocarbons were measured at 11.3mg/l against a permit limit of 5mg/l, but not released to the dock.

October 2021 – Hydrocarbons increased to 48mg/l. Suspended solids increased from 40 to 183 mg/l against a permit limit of 80mg/l. No releases to the dock were made.

November 2021 – Hydrocarbons rose to 66.6mg/l. Suspended solids were reported at 123mg/l. Both exceed the permit limit and were kept back on site pending the shutdown clear up.

Note – Zinc has risen from 0.02mg/l to 0.13 mg/l against a permit limit of 2mg/l. Although not approaching the limit this has to be carefully monitored.

The above exceedances to permit limits have not been classified as permit breaches because there has been no release of the containing water to the environment.

Air

Site were granted an extension to allow the quarterly monitoring of the release point to take place in January 2022 as a temporary measure. Note, this means that there will be monitoring carried out in Jan 2022 for Q4 2021 with a further sampling round to be scheduled before the end of the Q1.

Action – Site are to schedule stack monitoring earlier in the quarter for contingency reasons. This should allow time to schedule quarterly monitoring within the correct quarter and provide accommodation for any delays or unforeseen circumstances.

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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.