

Compliance Assessment Report

Report ID:
CAR_NRW0026704

This form will report compliance with your permit as determined by an NRW officer

| | | | | | |
|------------------------------|---|-------------|------------|-----|-----|
| Site | Newport Semiconductor Plant EPR/BV7460ID | Permit Ref | BV7460ID | | |
| Operator/Permit holder | International Rectifier Newport Limited | | | | |
| Regime | Installations | | | | |
| Date of assessment | 23/11/2016 - 28/11/2016 | Time in | N/A | Out | N/A |
| Assessment type | Audit | | | | |
| Parts of the permit assessed | 2.4.1.2 Efficient use of raw materials | | | | |
| Lead officer's name | Green, Rebecca | | | | |
| Accompanied by | | | | | |
| Recipient's name/position | Andrew Cade/ Environmental Engineer | Date issued | 28/11/2016 | | |

Section 1 – Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations. A detailed explanation is captured in "Compliance Assessment Report Detail" (Section 2) and any actions you may need to take are given in the "Action(s)" (section 4). This summary details where we believe any non-compliance with the permit has occurred, the relevant condition and how the non-compliance has been categorised using our Compliance Classification Scheme (CCS). CCS Scores can be consolidated or suspended where appropriate, to reflect the impact of some non-compliances more accurately. For more details of our CCS scheme, contact your local office.

| Permit conditions and compliance summary | CCS Category | Condition(s) breached |
|--|--------------|-----------------------|
| A1 - Specified by permit | A | |
| C2 - General Management - Management system and operating procedures | A | |
| E5 - Emissions - Waste | A | |
| G1 - Monitoring and Records, Maintenance and Reporting - Monitoring of emissions and environment | A | |
| G4 - Monitoring and Records, Maintenance and Reporting - Reporting and notification to Natural Resources Wales | A | |
| H1 - Resource Efficiency - Efficient use of raw materials | A | |
| H2 - Resource Efficiency - Energy efficiency | A | |

KEY: See Section 5 for breach categories, suspended scores will be indicated as such.

A = Assessed or assessed in part (no evidence of non-compliance), **X** = Action only,

O = Ongoing non-compliance, not scored.

| | | | |
|------------------------------------|---|---|---|
| Number of breaches recorded | 0 | Total compliance score (see section 5 for scoring scheme) | 0 |
|------------------------------------|---|---|---|

If the Number of breaches recorded is greater than zero, please see Section 3 for our proposed enforcement response

Section 2 – Compliance Assessment Report Detail

This section contains a report of our findings and will usually include information on:

- The part(s) of the permit that were assessed (eg. Maintenance, training, combustion plant, etc)
- Where the type of assessment was 'Data Review' details of the report/results triggering the assessment
- Any non-compliances identified
- Any non-compliances with directly applicable legislation
- Details of any multiple non-compliances
- Information on the compliance score accrued inc.
- Details of advice given
- Any other areas of concern
- Any actions requested
- Any examples of good practice
- A reference to photos taken

Permit Condition 2.4.1.2 requires the operator to carry out periodic waste minimisation and water use efficiency audits and to submit a review of these reports and progress against targets every four years. The review for 2016 was received on 18th November 2016.

International Rectifier Newport, (IRN), have a comprehensive environmental management system (EMS), covering all aspects of operations on the Newport site. The EMS sets targets for the efficient use of resources and waste minimisation, amongst other things. IRN have made significant investments across the site since 2012 and these are now starting to show benefits. In addition IRN achieved ISO50001 certification in 2015 and have also been awarded the Carbon Trust's standards for waste and water.

Since 2012 there has been a steady reduction in water use per square metre of work shipped and this is now at its lowest recorded value. Raw water use on site is 60% of the amount used in 2012. These savings are partly due to production moving from Fab 10 to Fab 11, which uses water more efficiently, but the main reason is IRN's significant capital investment from 2012 onwards, which is now starting to show benefits. The load on the effluent plant and consequent discharge to sewer have also reduced as less water is being used.

The report contains a detailed review of waste streams, their destination and whether substitution, recovery or reuse of the raw materials is possible. Food waste is now sent for anaerobic digestion and non-hazardous waste for refuse derived fuel, which means that in 2016 IRN have achieved zero to landfill, one of their EMS targets. The performance metrics have changed slightly since 2012, making them easier to interpret. Non-hazardous waste per square metre of product shipped is at its lowest level since 2007 and has been falling since 2011. Hazardous waste per square metre of product shipped shows the same trend.

A number of resource efficiency projects have been completed since 2012, many involving significant capital investment. These projects tend to address resource efficiency and reliability issues across the site and have already yielded benefits. The adoption of ISO50001 has enabled IRN to develop a load modelling system, allowing them to detect problems and energy saving opportunities.

In the last four years IRN have made significant advances in the efficient use of resources, far beyond the permit requirements. They have spent significant sums improving energy efficiency and minimising raw material use and waste generation and are continually looking at ways to reuse or recycle waste.

IRN demonstrate an exemplary attitude to their impact on the environment and we hope that this will continue into the future.

The report is accepted.

END.



EPR Compliance Assessment Report

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| | | | |
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| Site | Newport Semiconductor Plant EPR/BV7460ID | Permit Ref | BV7460ID |
| Operator/Permit holder | International Rectifier Newport Limited | Date | 23/11/2016 |

Section 3 – Enforcement Response

You must take immediate action to rectify any non-compliance and prevent repetition. Non-compliance with your permit conditions constitutes an offence and can result in criminal prosecutions and/or suspension or revocation of a permit. Please read the detailed assessment in Section 2 and the steps you need to take in Section 4 below.

Other than the provision of advice and guidance, at present we do not intend to take further enforcement action in respect of the non-compliance identified above. This does not preclude us from taking enforcement action if further relevant information comes to light or advice isn't followed.

Section 4 – Action(s)

This section summarises the actions identified during the assessment along with the timescales for when they will need to be completed.

| Criteria Ref. | CCS Category | Action required/advised | Due Date |
|---------------------|--------------|-------------------------|----------|
| See Section 1 above | | | |

Section 5 – Compliance notes for the Operator

To ensure you correct actual or potential non-compliance we may

- Advise on corrective actions verbally or in writing
- Require you to take specific actions verbally or in writing
- Issue a notice
- Require you to review your procedures or management system
- Change some of the conditions of your permit
- Decide to undertake a full review of your permit

Any breach of a permit condition is an offence and we may take legal action against you

- We will normally provide advice and guidance to assist you to come back into compliance either after an offence is committed or where we consider that an offence is likely to be committed. This is without prejudice to any other enforcement response that we consider may be required.
- Enforcement action can include the issue of a formal caution, prosecution, the service of a notice and/or suspension or revocation of the permit.

See our Enforcement and Civil Sanctions guidance for further information

This report does not relieve the site operator of the responsibility to

- Ensure you comply with the conditions of the permit at all times and prevent pollution of the environment
- Ensure you comply with other legislative provisions which may apply

Non-compliance scores and categories

| CCS category | Description | Score |
|--------------|--|-------|
| C1 | A non-compliance that could have a major environmental effect | 60 |
| C2 | A non-compliance which could have a significant environmental effect | 31 |
| C3 | A non-compliance which could have a minor environmental effect | 4 |
| C4 | A non-compliance which has no potential environmental effect | 0.1 |

Operational Risk Appraisal (Opra) - Compliance assessment findings may affect your Opra score and/or your charges. This score influences the resource we use to assess permit compliance.

Section 6 – General information

Data protection notice

The information on this form will be processed by the Natural Resources Wales (NRW) to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s). The NRW may also use and/or disclose it in connection with:

- Offering/providing you with its literature/services relating to environmental matters
- Consulting with the public, public bodies and other organisations (eg. 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 its service
- Freedom of Information Act/Environmental Regulations request

The NRW may pass it on to its agents/representatives to do these things on its behalf. You should ensure that any persons named on this form are informed of the contents of this data protection notice.

Disclosure of information

The NRW will provide a copy of this report to the public register(s). However, if you consider that any information contained in this reports should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within twenty working days of receipt of this form indicating which information it concerns and why it should not be released, giving your reasons in full.

Customer charter

What can I do if I disagree with this compliance assessment report?

If you are unable to resolve the issue with your site officer, you should firstly discuss the matter with officer's line managers using the informal appeals procedure. If you wish to raise your dispute further through our official Complaints and Commendations procedure, phone our general enquiry number 0300 065 3000 (Mon to Fri 08.00 – 18.00) and ask for the Customer Contact team or send an email to enquiries@naturalresourceswales.gov.uk. If you are still dissatisfied you can make a complaint to the Public Services Ombudsman for Wales. For advice on how to complain to the Ombudsman phone their helpline on 0845 607 0987.

Welsh Language

If you would like this form in Welsh please contact your Regulatory Officer.