

Schedule 1 - Notification of abnormal emissions

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

Part A

Permit Number	BV7460ID
Name of Operator	Newport Wafer Fab Ltd
Location of Installation	Cardiff Road, Newport, NP10 8YJ
Location of the emission	Fab 10 building roof, Cardiff Road, Newport, NP10 8YJ
Time and date of the emission	04.30 – 09.30 Thursday 29 th August 2019

Substance(s) emitted	Media	Best estimate of the quantity or the rate of emission	Time during which the emission took place
Noise	Air	Approx. 110 decibels at 1m from 04.30, increasing to approx.120 decibels at 1m from 08.00. High frequency noise.	04.30 – 09.15

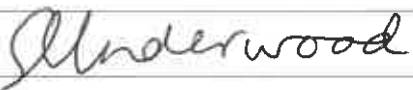
Measures taken, or intended to be taken, to stop the emission	The supply to the affected pipe was safely isolated and a replacement gasket was fitted at approx. 09.30. The emission ceased at that time.
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Part B

Any more accurate information on the matters for notification under Part A.	At approx. 04.30 a gasket in the 3" compressed air pipework on the roof of fab 10 partially failed, resulting in a loss of compressed air and a loud noise emission. Newport Wafer Fab (NWF) staff proceeded to find the affected gasket and put in place a plan to safely isolate the supply in order to remedy the issue, ensuring coordination with appropriate personnel. At approx. 08.00 the gasket fully failed, resulting an increase in the noise level, and by 09.15 staff had successfully isolated the affected line (shutting off the noise) and replaced the gasket before switching the system back on.
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	All other gaskets of the same nature have been visually inspected and no signs of damage have been noted. A different design of gasket was selected for the replacement this morning; this is anticipated to be less likely to fail. A shutdown period will go ahead in December 2019 during which NWF plan on replacing gaskets that are at risk of failing in the same manner. Only a relatively small stretch of pipework is affected, as other compressed air lines on site are welded rather than using gaskets.

Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission	The nature of the emission was that compressed air was leaked into the air generating a noise that could potentially be heard from a distance. Remedial action was to stop this noise, and no physical harm to the environment has been anticipated. Newport City Council have been informed of the cause of the issue so that they can make any complainants aware of the situation should there be any complaints. At the time of writing no complaints are understood to have been received by the Council, and no complaints have been made directly to NWF.
The dates of any unauthorised emissions from the installation in the preceding 24 months.	None.

Name*	Alan Lambie
Post	Director of Facilities and EHS
Signature	
Date	30.08.2019

Name*	Sarah Underwood
Post	Environmental Engineer
Signature	
Date	30.08.2019

* authorised to sign on behalf of Newport Wafer Fab Limited