

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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 EP Regulations.

Part A

Permit Number	FP3232KG
Name of operator	Dwr Cymru Welsh Water
Location of Facility	Cardiff WwTW
Time and date of the detection	17/01/2023 – 15:00 to 16:00

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	17/01/2023 at 15:00
Reference or description of the location of the event	Gas emission testing carried out on CHP#2, emission points A2, determined the emissions of oxides of Carbon Monoxide exceeded emissions limit value during the test duration.
Description of where any release into the environment took place	Emission points A2 as defined in the permit.
Substances(s) potentially released	Carbon monoxide exceeded emission limit value, all other parameters were within permit thresholds.
Best estimate of the quantity or rate of release of substances	1160.78 mg/m ³ of CO from A2 for one hour at 0.84 m ³ /second.
Measures taken, or intended to be taken, to stop any emission	The testing will be re-taken as early as possible to confirm engines return to operating within normal parameters. Early investigations highlight a slight pressure drop across the intercooler. This could mean a blockage which would contribute to the incomplete combustion that leads to raised levels of CO. We have engaged with our engine maintenance contractors to install a new intercooler. NO _x was well within limits which shows that once the combustion efficiency is rectified the engine should run comfortably within limits.
Description of the failure or accident.	Emissions exceeded emissions limit value. Reported within 24 hours of receiving data from emissions testing company issued on 02/02/2023.

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	A2
Parameter(s)	Carbon Monoxide
Limit	1100 mg/m3
Measured value and uncertainty	A2 – 2%
Date and time of monitoring	17/01/2023 – 15:00 to 16:00
Measures taken, or intended to be taken, to stop the emission	As outlined above, the engine will be re-tested when the intercooler has been changed.

12

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	Ian Hullin
Post	Energy Analyst
Signature	Ian Hullin
Date	02/02/2023

* authorised to sign on behalf of the operator