

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	EPR/BB3790FX
Name of operator	ALUK (GB) Limited
Location of Facility	Chepstow Aluminium Treatment Plant Newhouse Farm Industrial Estate, Chepstow, NP16 6UD
Time and date of the detection	14:38 hrs 10.01.22

(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment

To be notified Immediately	
Date and time of the event	na
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a permit condition

To be notified immediately	
Emission point reference/ source	S1 on site plan in Schedule 7 (AI monitor)
Parameter(s)	Total Aluminium
Limit	2mg/L
Measured value and uncertainty	9.5 mg/l 15%
Date and time of monitoring	04/01/2022 16.02hrs
Measures taken, or intended to be taken, to stop the emission	Two effluent samples were collected from AI monitor on the 4th of January 2022 and sent to external laboratory, I2Analytical, for the analysis. Also, emergency system was activated at 11:57 am and effluent was redirected to the ETP.

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

(c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:

To be notified immediately	
Description of where the effect on the environment was detected	na
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	On Tuesday 4th of January 2022 two effluent samples were collected from the AI monitor at 11:57 am and at 16:02 and sent to external laboratory, I2Analytical, for analysis. First sample was collected when AI monitor indicated AI ELV exceedance of 4.668 ppm. Emergency system was automatically activated and the effluent was redirected to the ETP. Another sample was taken at 16:02 when emergency system was on. AI monitor showed the value of the AI at 5.535 ppm. Results received from the external lab indicated that total AI in the first samples was under 2 ppm, 0.21 ppm. Second sample result showed that total AI value was above 2ppm, 9.5 ppm. After investigation of the internal AI ELV breach, it was concluded that the reason for the AI value in the second sample to be above 2 ppm was the failure of the HCl lance. HCl lance is responsible for dosing HCl acid to the coagulation reactor. As soon as it was notified that the lance failure occurred AluK's maintenance department came to the ETP and fixed the issue. The average in line AI monitor value for the 4th of January was 1.3 mg/l.

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	AluK, also, contacted PARTECH to assist with investigation. On the 5th of January PARTECH serviced AI monitor to make sure that all the reagents and equipment is up to specification and working correctly. Emergency system to redirect effluent to the ETP was activated first time since it was installed and was working well.
The dates of any unauthorised emissions from the facility in the preceding 24 months.	09/07/2020, 18/07/2020, 20/07/2020, 12/08/2020, 12/08/2020, 16/08/2020, 19/08/2020, 26/08/2020, 01/09/2020, 01/09/2020, 08/09/2020, 21/09/2020, 13/10/20, 27/10/2020, 10/12/2020, 11/12/2020, 15/12/2020, 25/01/2021, 26/01/2021, 28/01/2021, 17/02/201, 05/03/2021, 06/04/2021, 19/04/2021, 29/04/2021, 14/05/2021, 07/06/21, 21/06/2021 & 08/11/2021, 26/11/2021 & 04/01/2022
Name*	██████████
Post	Process Development Scientist
Signature	████████████████████
Date	11/01/22

* Authorised to sign on behalf of the operator