

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	16.37hrs & 19.27hrs 07.06.21

(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
Parameter(s)	Total Aluminium
Limit	2mg/L
Measured value and uncertainty	2.4mg/L & 2.3mg/L 14%
Date and time of monitoring	07/06/2021 16.37hrs & 19.27hrs
Measures taken, or intended to be taken, to stop the emission	Decantation/settlement tank contents allowed to settle post maintenance.

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	Two external laboratory Al samples taken on the 7th June 2021 at 16.37 and 19.27hrs presented Al ELV exceedances of 2.4 and 2.3 mg/L respectively. Investigations have determined that on the 5th and 6th of June and as part of AluK's maintenance programme the decantation/settlement tank was cleaned. During the 7th June the decantation/settlement tank had to started to fill. At 15.46hrs the filter press was started up in order to gauge the quality of the sediment and it was noted that the initial Al monitor value was recorded as being 0.565mg/L. This level was higher when compared to the last reading of 0.276mg/L taken on the 4th June at 18.49hrs and as a precaution the discharge was diverted back through the treatment process. The quality of the sediment was subsequently checked by turning on the filter press at 16.46hrs, 18.06hrs and 19.27hrs with subsequent Al monitor readings of 0.673, 1.1 and 0.527mg/L. In addition, it was decided to capture two samples for external laboratory analysis at 16.37 and 19.27hrs. The reason for this is that AluK wanted external laboratory analysis of samples taken immediately after maintenance. The sediment of the decantation/settlement tank was allowed to settle overnight. The Al monitor value recorded on the 8th June 2021 at 07.34hrs was 0.246mg/L. The average Al value for the 8th June was 0.242mg/L.

	Findings also highlighted the requirement to allow sufficient time for the sediment to settle. If sediment is not allowed to settle, then this will have an adverse impact on the filter press element of the process. The external laboratory AI ELV exceedances indicate that the quality of the sediment was not adequate to allow for the filter press to fully function.
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	As the settlement process is time based, the contents of the decantation/settlement tank will be allowed to settle before the filter press is turned on.
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
Name*	Toby Ambler
Post	HSE Manager
Signature	<i>Toby Ambler</i>
Date	15/06/21

* authorised to sign on behalf of the operator