

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	08.06hrs 21/09/2020

(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	4.961 mg/L
Date and time of monitoring	21/09/2020 08.06hrs
Measures taken, or intended to be taken, to stop the emission	The Effluent Treatment Plant was turned off and not discharging from the decantation tank or filter press at the time of the sample reading.

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	An AI ELV breach of 4.961mg/L occurred at 08.06hrs. Investigations were undertaken immediately after the breach had been reported. It was noted that the Effluent Treatment Plant had not been in operation between 06.00 (start of the shift) and 10.30hrs (time of writing the report.) It was questioned why samples were taken if both the decantation tank and filter press were not discharging to sewer. Investigations highlighted the following: 1. Routine cleaning of the Effluent Treatment Plant pipework was undertaken on the 20th September and that the AI monitor pipe bore reducer had been removed and refitted to allow for cleaning. 2. The current procedure for the AI monitor hourly sampling is for the sampling to take place during operational hours. This prevents air from entering the AI monitor when there is no discharge during non-operational hours and giving a false reading.

	The operators were questioned why, with a reading taken at 06.06hrs of 0.051mg/L, was there discharge to sewer when the Effluent Treatment Plant was not running. The operators stated that with the AI monitor sampling during operational hours and knowing that false readings could occur if there was no discharge it was decided to open the dilution valve slightly to allow water to flow to the AI monitor pipe bore reducer. 3. It was noted that the dilution ball type valve had been replaced with a screw type valve allowing for a more controlled dilution. It is probable that the level of dilution discharging to sewer without the flow of both the decantation tank and filter press were of too low a level which in turn allowed air to intermittently enter the pipe bore reducer giving a high reading. 4. The operator did confirm that the pipe bore reducer had been placed back into the correct position. It is planned for the pipe bore reducer to be relocated to a permanently submerged position when the MCERTS flow meter is installed.
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	E4 of CAR 36841 expects AluK to instigate a procedure for preventing effluent discharge to sewer. AluK have now implemented a procedure to prevent discharge from the filter press and decantation tank when an AI ELV has occurred. In addition, AluK are currently working on a solution that will remove the reliance on dilution.
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

Name*	Toby Ambler
Post	Health, Safety & Environmental Manager
Signature	<i>Toby Ambler</i>
Date	21/09/2020

* authorised to sign on behalf of the operator