

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	06:05 hrs 15/12/2020

(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	2.079 mg/L
Date and time of monitoring	15/12/2020 06.05 hrs
Measures taken, or intended to be taken, to stop the emission	AI monitor was forced to take another reading to confirm the first one when the breach occurred. All the sensors and chemicals (chemical tanks) were checked if they are working properly.

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 2.079 mg/L occurred at 06.05 hrs. Investigations were undertaken immediately after the breach had been reported. It was noted that AI monitor was turned on at 06.02 hrs when effluent plant started discharging effluent to the sewer and first reading was done at 06.05 hrs. It was noted that the Effluent Treatment Plant had been in operation from 06.00 (start of the shift) and 6.30 hrs all the relevant parties were informed about the breach. It was questioned if AI Analyzer sample was taken when discharging to sewer and if all the activities and checks were done in the effluent treatment plant correctly. Investigations highlighted the following: 1. Routine activities and checks were done including cleaning of the Effluent Treatment Plant pipework was undertaken on the 15th December in the morning before 6.00hrs.

	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 if all the alarms were checked on the HMI panel of the ETP. The operators stated that with the AI monitor sampling during operational hours and knowing that false readings could occur if there was no discharge. Therefore, AI monitor was turned on only when the discharge occurs after effluent plant was turned. Also, it was stated that there was an alarm on the HMI panel indicating that flocculation tank (where flocculant is prepared to be dosed to the reactor) is empty. Unfortunately, it took few minutes to fill up the tank and produce good floc in the reactor. Knowing the problems that incorrect floc can source of issue. Incorrect floc equals issue with the sedimentation and AI. 3. The operator did confirm that second reading was taken at 6.21 hrs to confirm the first reading and the value was 1.301 mg/l. Third reading was taken at 7:05hrs and the value dropped significantly to 0.897 mg/l. It is planned for the pipe bore reducer to be relocated to a permanently submerged position when the MCERTS flow meter is installed. Also, new filter cloths are being delivered before the end of the month and installed. Sample has been collected and we are preparing to be sent and analysed by external laboratory.
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 is in a process of implementing permanent solution for the effluent plant to avoid manual handling and issues with AI monitoring including redirecting the effluent to the beginning of the ETP in case of the issue in the reactors or sedimentation tank. Project is to be finalised by the end of January.
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

Name*	Anna Plesniar
Post	Process Development Scientist
Signature	<i>Anna Plesniar</i>
Date	15/12/2020

* authorised to sign on behalf of the operator