

Schedule 5 - Notification

Part A

Permit Number	LP3439HM
Name of Operator	Castle Waste Services Ltd
Location of Facility	Roath Docks, Cardiff
Time and date of the detection	See Appendix

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

To be notified within 24 hours of detection

Date and time of event	N/A
Reference or description of the location of the event	N/A
Description of where any release into the environment took place	N/A
Substances potentially released	N/A
Best estimate of the quantity or rate of releases of substance	N/A
Measures taken, or intended to be taken, to stop any emission	N/A
Description of the failure or accident	N/A

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

To be notified within 24 hours of detection

Emission point reference / source	S1
Parameter	See Appendix
Limit	See Appendix
Measured value and uncertainty	
Date and time of monitoring	Quarter 1 2023
Measures taken, or intended to be taken, to stop any emission	Compliance with BAT-AELs is subject to an improvement condition. Compliance dates have been agreed with NRW.
Time periods for notification following detection of a breach of a limit	
Parameter	Notification Period

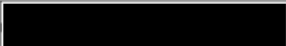
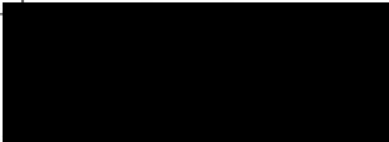
(c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause immediate significant effect on the environment.

To be notified within 24 hours of detection

Date and time of event	N/A
Reference or description of the location of the event	N/A
Description of where any release into the environment took place	N/A
Substances potentially released	N/A

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A	Parameter AOX is subject to an ongoing investigation into incoming waste streams. Duplicate samples have been submitted to external laboratories
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Compliance with BAT-AELs is subject to an improvement condition. Compliance dates have been agreed with NRW.
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.	N/A
The dates of any unauthorised emissions from the facility in the preceding 24 months.	None

Name	
Post	Director
Signature	
Date	07 June 2023

07 June 2023



Appendix 1 - Schedule 5 Notification

Parameter	Limit	Result(s)	Date(s)	Actions
AOX	1.0 mg/l	1.68 mg/l 3.39 mg/l 1.9 mg/l 2.5 mg/l	18/01/23 02/02/23 20/02/23 30/03/23	Investigation into incoming wastes is ongoing. One waste stream has been removed from processing pending further analysis. Other wastes are also being analysed by second laboratory.
Chromium (total)	0.3 mg/l	0.315 mg/l 0.578 mg/l 0.452 mg/l 0.697 mg/l 0.446 mg/l	10/01/23 12/01/23 13/01/23 18/01/23 20/01/23	Installation of polishing plant in accordance with agreed timescales to achieve BAT-AELs. Noted that total chromium reported by Atomic Absorption Spectroscopy (AAS) is often higher than third party ICP-MS (superior technique). Over period 0/8 samples exceeded BAT-AELs when tested by ICP-MS.
Copper	0.5 mg/l	1.703 mg/l 0.583 mg/l 1.104 mg/l 0.992 mg/l 0.766 mg/l	06/01/23 10/01/23 11/01/23 12/01/23 13/01/23	Installation of polishing plant in accordance with agreed timescales to achieve BAT-AELs. Noted that total copper reported by Atomic Absorption Spectroscopy (AAS) is often higher than third party ICP-MS (superior technique). Over period 0/8 samples exceeded BAT-AELs when tested by ICP-MS.

07 June 2023

		0.77 mg/l 0.915 mg/l 0.709 mg/l 1.16 mg/l 0.839 mg/l 0.529 mg/l 0.854 mg/l 0.506 mg/l	16/01/23 18/01/23 20/01/23 26/01/23 02/02/23 06/02/23 13/03/23 22/03/23	
Nickel	1 mg/l	1.072 mg/l 1.028 mg/l	18/01/23 02/02/23	Installation of polishing plant in accordance with agreed timescales to achieve BAT-AELs Noted that total nickel reported by Atomic Absorption Spectroscopy (AAS) is often higher than third party ICP-MS (superior technique). Over period 0/8 samples exceeded BAT-AELs when tested by ICP-MS.
Lead	0.3 mg/l	0.66 mg/l 0.34 mg/l 0.64 mg/l 0.49 mg/l	05/01/23 10/01/23 16/01/23 18/01/23	Installation of polishing plant in accordance with agreed timescales to achieve BAT-AELs. Noted that total lead reported by Atomic Absorption Spectroscopy (AAS) is often higher than third party ICP-MS (superior technique). Over period 0/8 samples exceeded BAT-AELs when tested by ICP-MS.

		0.56 mg/l	23/01/23	
Hexavalent chromium (Cr(VI))	0.1 mg/l	0.259	11/01/23	Installation of polishing plant in accordance with agreed timescales to achieve BAT-AELs. Noted that Cr(VI) concentrations are often in excess to total chromium as detected by third party ICP-MS.
		0.364	12/01/23	
		0.323	16/01/23	
		<0.15	02/02/23	