Permit Number: EPR/LP3439HM **Operator:** **Castle Waste Services Limited**

Facility: Roath Dock Transfer Station Form Number: Sewer1 /

Reporting of emissions to sewer for the period from to 01/07/25 – 30/09/25

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
S1	Effluent Flow m3/day	No limit set	24-hour flow proportional sample	155.60	No EN standard available	16/07/2025	
S1	Adsorbable Organically Bound Halogens (AOX)	1 mg/l	daily average from composite sample taken over 24 hours	0.836	EN ISO 9562	07/07/2025	
S1	Benzene	No limit set	daily average from composite sample taken over 24 hours	3.71 µg/l	Modified: US EPA Method 8260b & 624	01/10/2025	
S1	Toluene	No limit set	daily average from composite sample taken over 24 hours	23.4 µg/l	Modified: US EPA Method 8260b & 624	01/07/2025	
S1	Ethylbenzene	No limit set	daily average from composite sample taken over 24 hours	1 µg/l	Modified: US EPA Method 8260b & 624	01/07/2025	
S1	Xylene	No limit set	daily average from composite sample taken over 24 hours	2 µg/l	Modified: US EPA Method 8260b & 624	01/07/2025	
S1	Free Cyanide	0.1 mg/l	daily average from composite sample taken over 24 hours	0.05	AWWA/APHA Method 4500.	01/07/2025	
S1	Hydrocarbon Oil Index (HOI)	10 mg/l	daily average from composite sample taken over 24 hours	<10	EN ISO 9377-2	01/08/2025	
S1	Arsenic (As)	0.1 mg/l	daily average from composite sample taken over 24 hours	0.0462	ISO 17294-2:2016	30/09/2025	
S1	Cadmium (Cd)	0.1 mg/l	daily average from composite sample taken over 24 hours	0.0262	ISO 17294-2:2016	16/09/2025	
S1	Chromium (Cr)	0.3 mg/l	daily average from composite sample taken over 24 hours	0.152	ISO 17294-2:2016	16/09/2025	

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
S1	Copper (Cu)	0.5 mg/l	daily average from composite sample taken over 24 hours	0.857	ISO 17294-2:2016	15/08/2025	
S1	Nickel (Ni)	1 mg/l	daily average from composite sample taken over 24 hours	0.388	ISO 17294-2:2016	15/08/2025	
S1	Lead (Pb)	0.3 mg/l	daily average from composite sample taken over 24 hours	0.196	ISO 17294-2:2016	16/09/2025	
S1	Zinc (Zn)	2 mg/l	daily average from composite sample taken over 24 hours	0.619	ISO 17294-2:2016	16/09/2025	
S1	Manganese (Mn)	No limit set	daily average from composite sample taken over 24 hours	22.5 µg/l	ISO 17294-2:2016	15/09/2025	
S1	Hexavalent Chromium (Cr(VI))	0.1 mg/l	daily average from composite sample taken over 24 hours	0.02 mg/l	Chromium in Raw and Potable Waters and Sewage Effluents 1980.	01/07/2025	
S1	Mercury (Hg)	10µg/l	daily average from composite sample taken over 24 hours	2	BS EN 23506:2002,	07/07/2025	
S1	PFOS	No limit set	daily average from composite sample taken over 24 hours	16.3 ng/l	No EN standard available	01/07/2025	
S1	PFAS	No limit set	daily average from composite sample taken over 24 hours	16.3 ng/l	No EN standard available	01/07/2025	

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed … [redacted] **Date…31/10/2025….**
(Authorised to sign as representative of Operator)