

Permit Number: LP3439HM
 Facility: Roath Dock Wasye Treatment Centre

Operator: Castle Waste Services Ltd
 Form Number: Sewer1 / 2023 Q3

Reporting of emissions to sewer for the period from 01/07/2023 to 30/09/2023

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
S1	Flow Rate	None set	None set		5 litres/sec	As agreed with Natural Resources Wales	Various	
S1	Adsorbable Organically Bound Halogens (AOX)	1 mg/l	None set		0.105	EN ISO 9562	07/09/23	
S1	Benzene, Toluene, Ethylbenzene, Xylene (BTEX)	None set	None set		1.52	EN ISO 15680	30/08/23	
S1	Free Cyanide (CN)	0.1 mg/l	None set		<0.05	Various EN standards available (e.g. EN ISO 14403-1 and -2)	Various	
S1	Hydrocarbon Oil Index (HOI)	10 mg/l	None set		0.196	EN ISO 9377-2	27/07/23	
S1	Arsenic (As)	0.1 mg/l	None set		0.0221	Various EN standards available (e.g. EN ISO 11885, EN ISO 17294-2, EN ISO 15586)	26/09/23	
S1	Cadmium (Cd)	0.1 mg/l	None set		0.037		13/09/23	
S1	Chromium (Cr)	0.3 mg/l	None set		0.54		04/09/23	
S1	Copper (Cu)	0.5 mg/l	None set		0.689		18/09/23	
S1	Nickel (Ni)	1 mg/l	None set		0.703		09/08/23	
S1	Lead (Pb)	0.3 mg/l	None set		0.65		28/09/23	
S1	Zinc (Zn)	2 mg/l	None set		1.586		09/08/23	
S1	Manganese (Mn)	No limit set	None set		0.026		30/08/23	
S1	Hexavalent Chromium (Cr(VI))	0.1 mg/l	None set		0.17	Various EN standards available (e.g. EN ISO 10304-3, EN ISO 23913)	27/07/23	
S1	Mercury (Hg)	10 µg/l	None set		0.0016	Various EN standards available (e.g. EN ISO 17852, EN ISO 12846)	22/09/23	
S1	PFOA	No limit set	None set		3.25ng/l	No EN standard available	30/08/23	

