

TITLE :	Emissions to Water	ISSUE NO.	7.0
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Permit Reference Number	BU2357 / AP3634 SJ
Installation :	Mostyn, Flintshire

Operator:	Warwick Chemicals
Form Number :	W1 Quarterly Water (other than sewer) Emissions

Reporting of Emissions to Water (other than to Sewer) for the period	From:	July 2019	To:	September 2019
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Emission Point	Substance/Parameter	Emission Limit Value	Result Max ^[1]	Result Mean ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/Certification ^[4]	Uncertainty ^[5]
W1	Chemical Oxygen Demand	6000 mg/l	4368	1571	WI 2319	100% Process Coverage	Internal ISO 9001 & 14001	32%
W1	Chemical Oxygen Demand	10,000 kg/day	6146	1991	Calculation			32%
W1	Biochemical Oxygen Demand	3000 mg/l	2860	1486	WAS 001	1.7% Process Coverage	UKAS	20.4%
W1	Suspended Solids	250 mg/l	48	25	WI 2316	100% Process Coverage	Internal ISO 9001 & 14001	25%
W1	Ammoniacal Nitrogen	5 mg/l	0.01	0.01	WI 2318			85%
W1	Total Hydrocarbon Oil	µg/l	463	308	GE 035	1.7% Process Coverage	UKAS	21.4%
W1	Halogenated Organic Compounds (total as AOX)	µg/l	258	237.5	WT 066		-	-
W1	Total cyanides (as HCN)	mg/l	<0.009	<0.009	WAS 018		UKAS	19.9%
W1	Copper	mg/l	0.031	0.029	WAS 049		UKAS	20.4%
W1	Daily Discharge Volume	4500 m ³	2884	1367	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	8%
W1	Tidal period Discharge Volume	2250 m ³	1570	1303	SOP 152			8%
W1	Rate of Discharge	375 litres/second	-	194	SOP 152			8%
W1	Effluent temperature	35°C (1 st May – 31 st Oct) 25°C (1 st Nov – 30 th Apr)	25.6	19.1	SOP 152			10%
W1	pH	5 - 9	8.7	6.6	WI 2317			25%

[1] 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.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed:	P. J. Bryant
	(Authorised to sign as representative of Warwick Chemicals)

Date:	15/10/2019
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