

<b>TITLE :</b>	Emissions to Water	<b>ISSUE NO.</b>	6.0
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<b>Permit Reference Number</b>	BU2357 / AP3634 SJ
<b>Installation :</b>	Mostyn, Flintshire

<b>Operator:</b>	Warwick Chemicals
<b>Form Number :</b>	W1 Quarterly Water (other than sewer) Emissions

**Reporting of Emissions to Water (other than to Sewer) for the period** From: October 2013 To: December 2013

Emission Point	Substance/Parameter	Emission Limit Value	Result Max <sup>[1]</sup>	Result Mean <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Accreditation/ Certification <sup>[4]</sup>	Uncertainty <sup>[5]</sup>
W1	Chemical Oxygen Demand	6000 mg/l	5710	1082	WI 2319	100% Process Coverage	Internal ISO 9001 & 14001	32%
W1	Chemical Oxygen Demand	10,000 kg/day	8650	1940	Calculation			32%
W1	Biochemical Oxygen Demand	3000 mg/l	640	577.2	WAS 001	1.7% Process Coverage	UKAS	20.4%
W1	Suspended Solids	250 mg/l	362	26	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	-	685	411	GE 035		UKAS	21.4%
W1	Halogenated Organic Compounds (total as AOX)	-	42.67	37.04	WT 066	1.7% Process Coverage	-	-
W1	Total cyanides (as HCN)	-	<0.009	<0.009	WAS 018		UKAS	19.9%
W1	Copper	-	0.025	0.017	WAS 049		UKAS	20.4%
W1	Daily Discharge Volume	4500 m <sup>3</sup>	2757	1751	SOP 152			15%
W1	Tidal period Discharge Volume	2250 m <sup>3</sup>	1554	927	SOP 152			15%
W1	Rate of Discharge	375 litres/second	-	243	SOP 152			15%
W1	Effluent temperature	35°C (1 <sup>st</sup> May - 31 <sup>st</sup> Oct) 25°C (1 <sup>st</sup> Nov - 30 <sup>th</sup> Apr)	21.8	14.1	SOP 152			10%
W1	pH	5 - 9	8.4	6.4	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.

<b>Signed:</b>	Mr P J Bryant. (Authorised to sign as representative of Warwick Chemicals)	<b>INITIALS DATE</b> Date: 10.1.14	08/01/2014
BU2357 / AP3634		Checked Vs AUTHORISATION TRACONS OK FOR PUBLIC REGISTER	December 2005