

TITLE :	Emissions to Water	AREA :	Responsible Care
REF :	RCF54	AS4362-S2/A/2	
RELATED DOCUMENT:	AS4362-S2/A/2		
FILENAME:	RCF54_Q3 2013.doc		
Last printed 03/10/2013 11:28:00			
Permit Reference Number	BU2357 / AP3634 SJ		
Installation :	Mostyn, Flintshire		

RECEIVED		10 OCT 2013
Operator:	Warwick Chemicals	
Form Number :	W1 Quarterly Water (other than sewer) Emissions	
ISSUE NO.	6.0	DATE OF ISSUE:
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Reporting of Emissions to Water (other than to Sewer) for the period	From:	July 2013	To:	September 2013
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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	2553	1135	WI 2319	100% Process Coverage	Internal ISO 9001 & 14001	32%
W1	Chemical Oxygen Demand	10,000 kg/day	4040	1720	Calculation	1.7% Process Coverage	UKAS	20.4%
W1	Biochemical Oxygen Demand	3000 mg/l	396	304	WAS 001	100% Process Coverage	Internal ISO 9001 & 14001	25%
W1	Suspended Solids	250 mg/l	149	35	WI 2316	1.7% Process Coverage	UKAS	21.4%
W1	Ammoniacal Nitrogen	5 mg/l	0.01	0.01	WI 2318	100% Process Coverage	Internal ISO 9001 & 14001	85%
W1	Total Hydrocarbon Oil	-	<40µg/l	<40µg/l	GE 035	1.7% Process Coverage	UKAS	21.4%
W1	Halogenated Organic Compounds (total as AOX)	-	45.5µg/l	40.38µg/l	WT 066	100% Process Coverage	Internal ISO 9001 & 14001	25%
W1	Total cyanides (as HCN)	-	<0.009 mg/l	0.009 mg/l	WAS 018	1.7% Process Coverage	UKAS	20.4%
W1	Copper	-	0.021 mg/l	0.013 mg/l	WAS 049	100% Process Coverage	Internal ISO 9001 & 14001	15%
W1	Daily Discharge Volume	4500 m ³	2683	1557	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	15%
W1	Tidal period Discharge Volume	2250 m ³	1591	858	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	15%
W1	Rate of Discharge	375 litres/second	-	216	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	15%
W1	Effluent temperature	35°C (1 st May – 31 st Oct) 25°C (1 st Nov – 30 th Apr)	22.5	18.7	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	10%
W1	pH	5 - 9	8.3	6.5	WI 2317	100% Process Coverage	Internal ISO 9001 & 14001	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:	
(Authorised to sign as representative of Warwick Chemicals)	

BU2357 / AP3634

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