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AREA: Responsible Care
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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: January 2014 To: March 2014

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	3001	882	WI 2319	100% Process Coverage	Internal ISO 9001 & 14001	32%
W1	Chemical Oxygen Demand	10,000 kg/day	4300	1680	Calculation	1.7% Process Coverage	UKAS	32%
W1	Biochemical Oxygen Demand	3000 mg/l	568	547	WAS 001	100% Process Coverage	Internal ISO 9001 & 14001	20.4%
W1	Suspended Solids	250 mg/l	293	29	WI 2316	1.7% Process Coverage	UKAS	25%
W1	Ammoniacal Nitrogen	5 mg/l	0.01	0.01	WI 2318	100% Process Coverage	Internal ISO 9001 & 14001	85%
W1	Total Hydrocarbon Oil	-	188	96	GE 035	1.7% Process Coverage	UKAS	21.4%
W1	Halogenated Organic Compounds (total as AOX)	-	93.35	53.43	WT 066	100% Process Coverage	-	-
W1	Total cyanides (as HCN)	-	0.014	0.010	WAS 018	1.7% Process Coverage	UKAS	19.9%
W1	Copper	-	0.014	0.011	WAS 049	100% Process Coverage	UKAS	20.4%
W1	Daily Discharge Volume	4500 m ³	2812	1971	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	15%
W1	Tidal period Discharge Volume	2250 m ³	1776	1028	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	15%
W1	Rate of Discharge	375 litres/second	-	274	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)	16.5	11.9	SOP 152	100% Process Coverage	Internal ISO 9001 & 14001	10%
W1	pH	5 - 9	8.4	6.7	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 flowline 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: *Peter Bryant*
 (Authorised to sign as representative of Warwick Chemicals)
 BU2357 / AP3634
 INITIALS DATE
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