

Form Number: W1

Permit Reference Number: BR9715

Operator: Solutia UK Ltd

Installation: Newport Chemical Works

Reporting of Emissions to Estuary for the period from 1st October.....to.....31st December 2014.....

Emission Point	Substance / Parameter	Emission Limit Value (mean weekly in the quarter)	Result ^[1] Max	Result ^[1] Mean	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
W1	Benzene	20 kg	12.6	3.0	GC/MS	Weekly composite		10%
W1	Biphenyl	20 kg	0.3	0.1				10%
W1	Triphenyl/kg	-	0.4	0.1				10%
W1	Formaldehyde	10 mg/l	8.6	1.4	HPLC	Weekly composite		>20%
W1	Phenol	40 mg/l	6.4	2.0	HPLC	Weekly composite	Aquacheck	10%
W1	COD	65000 kg / week	15,013	12,631	Spectrophotometric	Weekly composite	Aquacheck	4%
W1	Max volume of process effluent discharged	25000 m ³ / week	13,010	10,216	Electronic counter			
W1	DTA	-	59.2	55.9	Tisbe LC50 %	Monthly; one week composite	MCERTS	
			20.2	42.2	Algae EC50 %			
W1 + W2	Cadmium	50 g	2	1	ICP/MS	Weekly composite	NAMAS	
W1 + W2	Mercury	27 g	6.5	3.5	FIMS (AA)		Aquacheck	13%
W1 + W2	PCBs	100 g	68	14			Aquacheck	
W1 + W2	PCP	250 g	246	125			Aquacheck	
W1 + W2	TCB	50 g	12	5				
W1	Mercury	1.5 µg/l	0.3	0.2	FIMS (AA)	Monthly spot	Aquacheck	13%
W1	Cadmium	3.5 µg/l	0.1	0.1	ICP/MS		NAMAS	
W1	PCP	150 µg/l	9	6	GC/MS		Aquacheck	
W1	TCB	20 µg/l	<1	<1				

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- [1] The result given is the maximum value and the average value 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 the Operator)

R.E. Chandler

Date: 27th January 2015.....

Date of Form: 21/8/14