

Permit Reference Number: BR97151B
Operator: Solutia UK Ltd
Installation: Newport Chemical Complex

Form Number: W1

Reporting of Emissions to Estuary for the period from: 01/07/19 to 30/09/19

Emission Point	Substance / Parameter	Emission Limit Value	Result Max ^[1]	Result Mean ^[1]	Test Method ^[2]	Sample Date and Times	Accreditation/ Certification	Uncertainty
W1	Benzene	20 kg ^[1]	10.9	3.3	GC/MS	Weekly composite	---	10%
	Biphenyl	20 kg ^[1]	0.7	0.3	GC/MS		---	10%
	Triphenyl (kg)	-	1.6	0.4	GC/MS		---	10%
	Formaldehyde	10 mg/l	3.6	1.3	HPLC	Weekly composite	---	>20%
	COD	65000 kg / week	47414	35157	Spectrophoto-metric	Weekly composite	Aquacheck	4%
	Max volume of effluent ^[4]	25000 m³/ week	21535 (9915)	15607 (7908)	Electronic counter	Quarterly Total	MCerts	
	pH	5-10	6.8 – 7.6	7.1	pH Probe	Continuous + Composite	---	TBC
	Cadmium	50 g	4.3	3.2	ICP/MS	Monthly (wkly composite)	NAMAS	TBC
		3.5 u/l	0.3	0.2				
	Mercury	27 g	3.2	1.5	FIMS (AA)	Weekly composite	Aquacheck	13%
		1.5 ug/l	0.2	0.1				
	PCBs	100 g	13.6	6.7	GC/MS		Aquacheck	10%
	PCP ^[5]	250 g	263	128	GC/MS		Aquacheck	
		15 ug/l	12	8				10%
	TCB	50 g	2.5	1.3	GC/MS		Aquacheck	
		20 ug/l	0.2	0.1				10%

NOTES:

- [1] Mean weekly in the quarter
[2] Test Methods TBC following issue of new Permit Variation
[3] Limit change from 150 to 15 ug/l [as of Q4/2015]
[4] Total MCerts Flow (inc. rainfall), and Indicative Effluent Flow
[5] Part A Notification Submitted

Signed *:



Date: 18/10/2019

(* authorised to sign as representative of the Operator)

Date of Form: 31/03/11 [Updated 25/04/19]