

Permit Reference Number: BR9715IB
Operator: Solutia UK Ltd
Installation: Newport Chemical Complex

Form Number: W1

Reporting of Emissions to Estuary for the period from: 01/10/15 to 31/12/15

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	Benzene	20 kg ^[1]	22.6	9.1	GC/MS	Weekly composite	---	10%
W1	Biphenyl	20 kg ^[1]	0.4	0.1	GC/MS		---	10%
W1	Triphenyl (kg)	-	2.0	0.5	GC/MS		---	10%
W1	Formaldehyde	10 mg/l	9.9	1.9	HPLC	Weekly composite	---	>20%
W1	Phenol ^[2]	10 mg/l ^[1]	7.6	2.0	HPLC	Weekly composite	Aquacheck	10%
W1	COD	65000 kg / week	23879	16276	Spectrophoto-metric	Weekly composite	Aquacheck	4%
W1	Max volume of effluent	25000 m ³ / week	13707	9694	Electronic counter	Quarterly Total		
W1 + W2	Cadmium	50 g	4.7	2.9	ICP/MS	Monthly (wkly composite)	NAMAS	
W1 + W2	Mercury	27 g	14.3	3.4	FIMS (AA)	Weekly composite	Aquacheck	13%
W1 + W2	PCBs	100 g	37.7	13.4	GC/MS		Aquacheck	10%
W1 + W2	PCP ^[4]	250 g	242	142	GC/MS		Aquacheck	10%
W1 + W2	TCB	50 g	13.5	5.7	GC/MS		Aquacheck	10%
W1	Mercury	1.5 µg/l	0.8	0.2	FIMS (AA)	Monthly spot	Aquacheck	13%
W1	Cadmium	3.5 µg/l	0.2	0.1	ICP/MS		NAMAS	
W1	PCP ^[3]	15 µg/l	12.5	6.7	GC/MS		Aquacheck	10%
W1	TCB	20 µg/l	0.8	0.3	GC/MS		Aquacheck	10%

[1] Mean weekly in the quarter

[2] Limit change from 40 to 10 mg/l

[3] Limit change from 150 to 15 µg/l

[4] Considered to be an 'Approach to Limit'. Max value based on re-test averages

Signed *:



Date: 25/01/2016

(* authorised to sign as representative of the Operator)

Date of Form: 31/03/11