Release Concentrations of Substances Present in Discharges to Water

Please list all Substances released to Water for each Release Point identified in the previous page.

Which type of assessment method are you using? Continue with the method below.
(See help box & H1 Annex D for information)

Method: Chemical Specific

Reference:

Number	Substance	Meas'ment Method	Operating Mode (% of	Average Concentration in the Effluent (AA) Conc. µg/l	Meas'ment Basis	Maximum Concentration in the Effluent (Max) Conc. µg/l	Meas'ment Basis	Annual Rate kg/yr	Significant Load (PHS Only) kg/year
1	Ammonia (un-ionised)	Spot	100.0%	67	Annual Avg	393	Quarterly	0.600067008	
2	Arsenic	Spot	100.0%	1.03	Annual Avg	1.03	Single Point	##########	
3	Cadmium and its compounds (≥ 200 mg/l CaCO3)	Spot	100.0%	2.78	Annual Avg	11.2	Quarterly	##########	5
4	Chromium III (95%ile) (dissolved)	Spot	100.0%	0.7	Annual Avg	1.4	Quarterly	##########	
5	Copper	Spot	100.0%	3.08	Annual Avg	14	Quarterly	##########	
6	Iron (dissolved)	Spot	100.0%	73.9	Annual Avg	115	Quarterly	##########	
7	Lead and it's compounds	Spot	100.0%	0.81	Annual Avg	3	Quarterly	##########	
8	Nickel and its compounds	Spot	100.0%	2.4	Annual Avg	18	Quarterly	##########	
9	Mercury and its compounds	Spot	100.0%	0.145	Annual Avg	0.73	Quarterly	##########	1
10	Un-ionised ammonia as nitrogen	Spot	100.0%	67	Annual Avg	393	Quarterly	0.600067008	
11	Zinc	Spot	100.0%	68.7	Annual Avg	234	Quarterly	##########	
12	Tin (inorganic)	Spot	100.0%	18.3	Annual Avg	18.3	Single Point	##########	

Comments: Non detects in dataset included as 0.5 * LOD.
Ammonia concentration assumes Unionised ammonia 5% of Total Ammoniacal Nitrogen concentration.
Bioavailble concentration assumed to be 10% of dissolved concentration.
Total Metal concentrations used for S1 (not dissolved - above 10% assumption used for bioavailable).
Only a single data point is available for total arsenic (both W1 and S1) and total tin (W1).