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	Average Concentration in the Effluent (AA) Meas'ment Basis	Maximum Concentration in the Effluent (Max) Conc. µg/l	Maximum Concentration in the Effluent (Max) Meas'ment Basis	Annual Rate kg/yr	Significant Load (PHS Only) kg/year
1	Ammonia (un-ionised)	Spot	100.0%	163	Annual Avg	665	Quarterly	1.5421104	
2	Arsenic	Spot	100.0%	3.66	Annual Avg	3.66	Single Point	0.034626528	
3	Cadmium and its compounds (≥ 200 mg/l CaCO3)	Spot	100.0%	21.9	Annual Avg	63.6	Quarterly	0.20719152	5
4	Chromium III (95%ile) (dissolved)	Spot	100.0%	29.7	Annual Avg	70.1	Quarterly	0.28098576	
5	Copper	Spot	100.0%	50	Annual Avg	131	Quarterly	0.47304	
6	Iron (dissolved)	Spot	100.0%	3402	Annual Avg	6600	Quarterly	32.1856416	
7	Lead and it's compounds	Spot	100.0%	150	Annual Avg	359	Quarterly	1.41912	
8	Mercury and its compounds	Spot	100.0%	0.24	Annual Avg	0.24	Single Point	0.002270592	1
9	Nickel and its compounds	Spot	100.0%	9.86	Annual Avg	25.3	Quarterly	0.093283488	
10	Zinc	Spot	100.0%	459	Annual Avg	1250	Quarterly	4.3425072	
11	Tin (inorganic)	Spot	100.0%	30.4	Annual Avg	101	Quarterly	0.28760832	
12	Un-ionised ammonia as nitrogen	Spot	100.0%	163	Annual Avg	665	Quarterly	1.5421104	

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).

Water Emissions Inventory Base Option, Release Point: 2 'S1'