



EDP GROUP THERMAL POWER PLANTS

2013	Treated and rejected effluents quality (annual average)										
	Portugal						Spain				
	Sines	Tunes	Ribatejo	Lares	Energin	Mortágua	Aboño	Soto de Ribeira	Soto de Ribeira G4 + G5	Castejón	Cogeração (Sidergás)
pH	7.2	8.2	7.5	7.7	7.9	n/a	8.0	7.5	7.8	7.7	8.3
Total residual Chlorine (mg/l)	n/a	n/a	0.07	0.08	0.06	n/a	n/a	n/a	n/a	n/a	n/a
BOD5 (mg/l)	2.63	n/a	3.48	1.30	1.50	1.50	17.90	0.00	n/a	n/a	2.50
COD (mg/l)	28.02	8.80	17.72	11.10	42.18	26.55	31.10	13.50	n/a	10.75	9.30
Total Suspended Solids (mg/l)	12.03	2.50	6.13	n/a	34.21	16.25	6.40	9.07	3.10	4.48	0.00
Total Nitrogen (mg/l)	5.61	n/a	1.90	n/a	4.05	n/a	n/a	n/a	1.60	0.00	n/a
Nitrate(mg/l)	11.51	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total phosphate (mg/l)	0.19	n/a	0.23	0.14	1.12	n/a	0.00	0.00	0.10	0.39	n/a
Iron (mg/l)	0.09	n/a	n/a	n/a	n/a	n/a	n/a	0.47	n/a	n/a	0.04
Copper (mg/l)	0.02	n/a	n/a	n/a	n/a	n/a	n/a	0.00	n/a	n/a	0.00
Zinc (mg/l)	0.02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.02
Nickel (mg/l)	0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.00
Vanadium (mg/l)	0.33	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chromium (mg/l)	0.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Detergents (mg/l)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.05	n/a
Oil and fats (mg/l)	0.18	0.19	0.30	0.14	0.20	0.24	2.80	0.00	0.00	1.13	0.00
Hydrocarbons (mg/l)	0.06	0.06	0.06	0.14	0.07	0.08	n/a	n/a	n/a	n/a	n/a

n/a - not applicable