

BIOLOGICAL TREATMENT PLANT

COMBINED TREATMENT OF COKE PLANT WASTEWATER, WASTE WATER FROM BLAST FURNACES GAS SCRUBBERS, WASTEWATER FROM HIGH PRESSURE GAS SCRUBBERS SINTERPLANT, GROUNDWATER COKE PLANT AND DOMESTIC WASTEWATER.

TABLE 5.25

Working Draft BREF 2010
Basis; data from 2007 and discharge permit valid since 2006

	Average	Range
Flow	282	179 - 354
TSS	30	3 - 110
COD	102	81 - 164
TKN	5,5	2 - 14,6
Phosphate	2,4	0,8 - 6,9
Cyanide-total	4,8	1,6 - 9,0
Cyanide-free	90	19 - 375
Thiocyanate	1,7	0,4-4,9
Phenols	< 0,15	-
Cr	0,013	0,011 - 0,013
Cu	0,018	0,015 - 0,028
Pb	0,166	0,041 - 0,380
Ni	0,02	0,010 - 0,061
Zn	0,125	0,051 - 0,262
Cd	14	6 - 32
Hg	0,5	0,2 - 1,0
As	13	6 - 10
PAH	0,0013	0,0003 - 0,0045

NEW TABLE

New discharge permit is applied for in 2009

*) No final approval, discussion with authorities in progress

	Average	Maximum
Flow	340	400
TSS *)	60	80
COD *)	135	150
TKN	15	30
Phosphate	5	10
Cyanide-total *)	11	13
Cyanide-free *)	0,35	0,45
Thiocyanate	2,0	4,0
Phenols	0,5	1,0
Cr+Cu+Pb+Ni+Zn	-	0,5
Cd	-	10
Hg	-	5
As	-	2,5
PAH	-	5

Average = moving average of 10, in composite samples

Maximum = maximum in grab samples