

4.6-9

4.6-10

4.6-11

		/	d	t/a
1		60	193	11580
2		6	193	1158
3		9	193	1737
4		1	193	193
5		4.8	300	1440
6		3	193	579
7		1	193	193
8		15 /	40 /	600
9		15 /	40 /	600
10		1.2	250	300
t/a	18380			

		mg/L	(t/a)	(t/a)	(t/a)	
		-	11580	11580	0	
	COD	600	6.948	6.948	0	
		120000	1389.6	1389.6	0	
		300	3.474	3.474	0	
	TN	5	0.0579	0.0579	0	
		0.0179	0.000207	0.000207	0	
		0.0206	0.000238	0.000238	0	
		0.000005	0.00000006	0.00000006	0	
		0.0034	0.000039	0.000039	0	
		0.0611	0.000708	0.000708	0	
		0.000023	0.000000268	0.000000268	0	
		0.0194	0.0002247	0.0002247	0	

		mg/L	(t/a)	(t/a)	(t/a)
		-	1158	0	1158
	COD	300	0.347	0.255	0.093
		-	1737	0	1737
	COD	200	0.347	0.208	0.139
		-	193	0	193
	COD	600	0.116	0.100	0.015
	SS	400	0.077	0.064	0.014
		-	1440	0	1440
	COD	350	0.504	0.389	0.115

			1.5	
		504	0.029	0.022
		79	0	579
	D	347	0.301	0.046
		232	0.191	0.041
	-	93	0	193
COD	600	0.116	0.100	0.015
	-	600	0	600
COD	20000	12	11.952	0.048
	-	600	0	600
COD	10000	6	5.952	0.048

1.5				
HF	HCl	60%~70%	SO ₂	50%~60%
			53.8%	5%
		2040t/a		HW18 772-003-18

157

1	4.3h	2426
2	4.3h	2474
3	4.3e	2040
4	4.3e	25
5		

2	HW18	772-003-18			T
3	HW18	772-003-18			T
4	HW18	772-003-18	10		T
5	HW49	900-041-49	2		T/In
6	HW49	900-039-49			T
7	HW08	900-214-08			T I
8	/	/	/		/
9					

16			1			0.5	80

4.6-19

		t/a	t/a	t/a
		344.25	340.71	3.54
	CO	/	/	11.81
	HCl	500	492.91	7.901
	NO _x	49.58	21.23	28.35
	SO ₂	432	420.19	11.81
	HF	568.42	567.95	0.556
		/	/	0.0118gTEQ/a
	Pb	/	/	59.058kg/a
	As	/	/	59.058kg/a
	Cd	/	/	5.9058kg/a
	Hg	/	/	1.4174kg/a
	Cr	/	/	59.058kg/a
	Sn+Sb+Cu+Mn+Ni+Co	/	/	236.232kg/a
	NH ₃	/	/	1.58
	H ₂ S	/	/	0.0243
		/	/	1.929
		18380	11580	6800
	COD	27.926	24.526	3.4
	COD		27.382	0.544
		0.0684	/	0.238
			/	0.102
	SS	0.3088	/	2.72
	SS		/	0.476
		0.24	0.104	0.136
			0.206	0.034
		1389.6	1389.6	0
		3.474	3.474	0
	TN	0.0579	0.0579	0
		0.000207	0.000207	0
		0.000238	0.000238	0
		0.00000006	0.00000006	0
		0.000039	0.000039	0
		0.000708	0.000708	0
		0.000000268	0.000000268	0
		0.0002247	0.0002247	0
		2426	2426	0
		2474	2474	0
		2040	2040	0
		25	25	0
		0.9	0.9	0
		5	5	0
		0.5	0.5	0

1.5

		12	12	0
		495	495	0

4.6-20

900 (1100)

50m

1100

99.5%

0.1005TEQng/m³

2562.8ngTEQ/h

2

HCl	HF	SO ₂	50%	HCl	HF	SO ₂
2268mg/m ³	2580mg/m ³	2186mg/m ³		51.91kg/h	65.78kg/h	
46.63kg/h						

5		
80%	625mg/m ³	14.86kg/h

4.5TEQng/Nm³
0.1ngTEQ/Nm³

30

1

[1] [1] 3

VOL.24 No.3 2003 21-25

254ng/g 460ng/g

55%

50-55%

50%

2.25TEQng/m³

0.0574mgTEQ/h 1

4

H₂S NH₃ VOCs

H₂S NH₃ VOCs 0.00046kg/h 0.053kg/h
0.146kg/h

H₂S NH₃ 0.0046kg/h 0.0022kg/h

0.224kg/h 0.386kg/h 0.005kg/h 0.041kg/h 0.708kg/h

1		VOCs 99.5%
2	110%	/
3		SNCR 0%
4		HCl HF SO ₂ 50%
5		80%
6		50%
7		H ₂ S NH ₃ VOCs 0%
8		H ₂ S NH ₃ VOCs 0%
9		H ₂ S NH ₃ 0%
10		H ₂ S NH ₃ HCl HF 0%

NO_x CO THC

=

= (+1) 1.29

G— kg/h

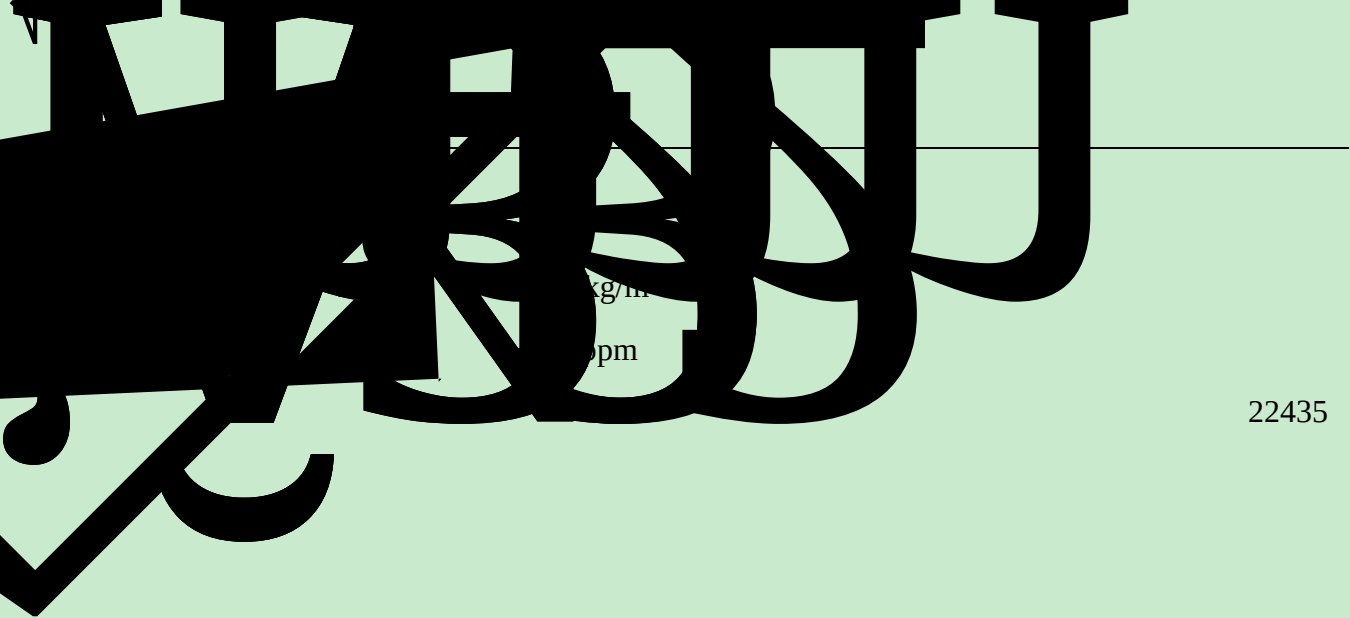
D— m³/h

Q— /h

T— min/

K—

A— kg/min



kg/m

rpm

22435

[2014]197

COD_{Cr}SO₂ NO_x

VOCs

1

() (

[2012]10)

1:1

1:1.2

1:1.5

1:1.2

1:1.5

1:1

COD_{Cr}

1:1

NO_x SO₂

1:2

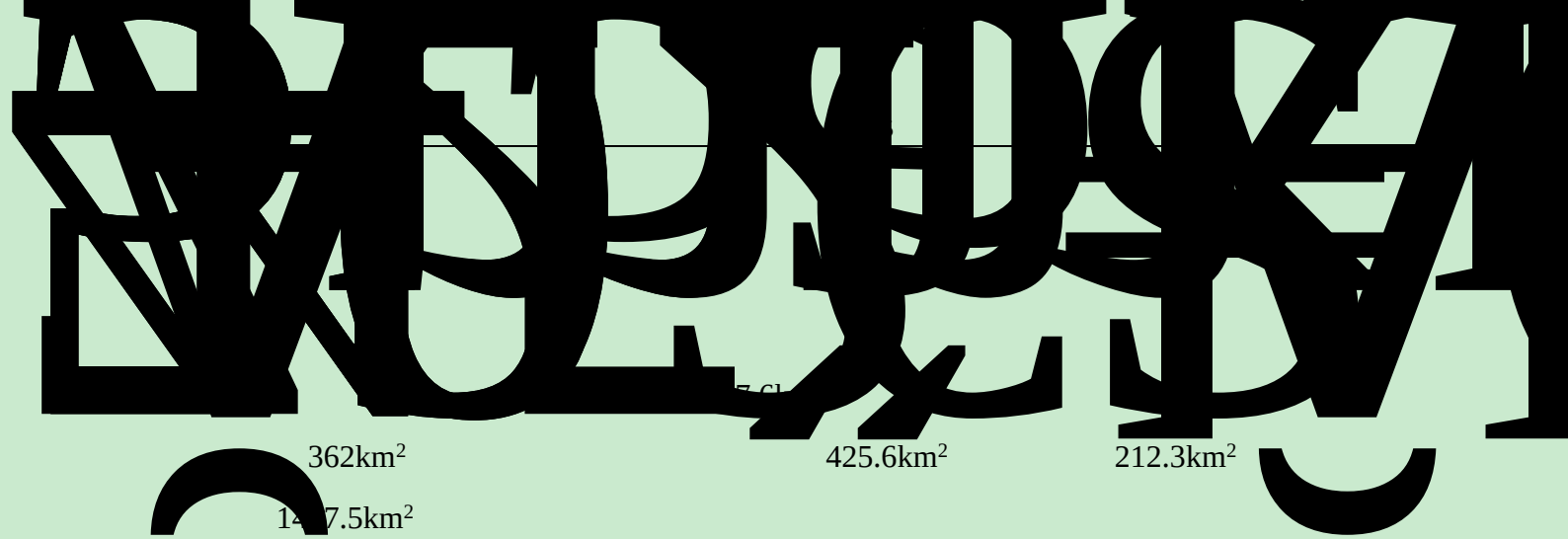
2013 54

1.5						
VOCs	VOCs	1:2				
	VOCs	1:1.5				
	VOCs	VOCs				
		1:2				
		VOCs				
		CODcr				
	CODcr	SO ₂	NOx	VOCs		
		4.8-2				
		“				
		”				
	12900	6800	0	19700	1:1	6800
COD	6.45	3.4	0	9.85	/	/
COD	1.032	0.544	0	1.576	1:1	0.544
	0.452	0.238	0	0.690	/	/
	0.194	0.102	0	0.296	1:1	0.102
SO ₂	60.67	11.81	0	72.48	1:2	144.96
NOx						

1971

	16.5
	39.7
	-10.5
	1395mm
	1464.3mm
	1899.5h
	78%
	2.9m/s
	S

				114.48km ²	9.42%
	27.95	m ³		3.33	17.65 m ³ ,
		2.15	m ³		3.55m
		9.53m		1.61m	9.87m
50	9.36m	20	8.68m		
				250	75



80m

1.5

119°50'33"

121°13'38"

29°13'35"

30°17'30"

2020

1043.82

4.6%

1.3

134082

4.8%

6.8976

19439

52.14

2.2%

514.58

3.3%

477.10

6.7%

GDP

38.1%

59.0%

100%

VOCs

MKI

Environ

1

2020

GB3095-2012