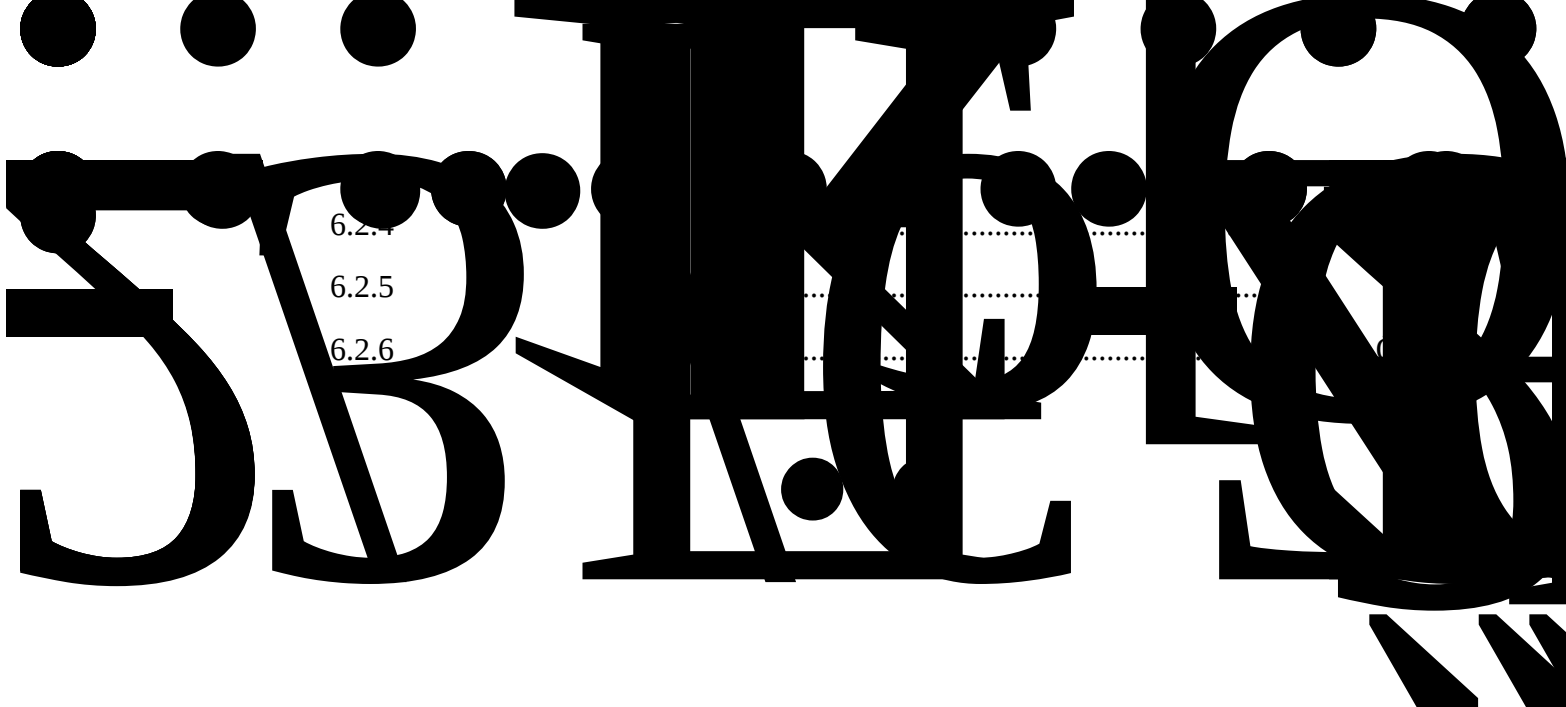


1	.....	1
2	.....	13
2.1	.....	13
2.1.1	.....	13
2.1.2	.....	14
2.1.3	.....	14
2.1.4	.....	15
2.2	.....	15
2.2.1	.....	15
2.2.2	.....	16
2.3	.....	16
2.3.1	.....	16
2.3.2	.....	17
2.4	.....	19
2.4.1	.....	19
2.4.2	.....	21
2.4.3	.....	22
2.4.4	.....	22
2.4.5	.....	23
2.4.6	.....	23
2.4.7	.....	23
2.5	.....	24
2.6	.....	24
2.7	.....	25
2.7.1	“ ”	25
2.7.3	.....	25
2.8	.....	26
2.8.1	.....	26

4.4.1	.....	59
4.4.2	.....	61
4.4	.....	80
5	.....	81
5.1	.....	81
5.1.1	.....	81
5.1.2	..... ..... .....	81
5.1.3		



6.2.4

6.2.5

6.2.6

9.1.4	.....	142
9.1.5	.....	143
9.1.6	.....	145
9.2	.....	146
9.2.1	.....	146
9.2.2	.....	147
10	.....	149
10.1	.....	149
10.2	.....	150
10.2.1	.....	150
10.2.2	.....	150
10.2.3	.....	150
10.2.4	.....	150
10.2.5	.....	150
10.3	.....	151
10.3.1	.....	151
10.3.2	.....	151
10.3.3	.....	151
10.3.4	.....	152
10.3.5	.....	152
10.3.6	.....	152
10.3.7	.....	152
10.4	.....	152
10.5	.....	154
10.6	.....	154
10.7	.....	154

Lt.- #4

Lt & 0.7° m "

1 2021 12

2022 3

2 2022 6

3 2022 6

4 2022 7



1-1

1

GB/T 4754-2017

“CC3514

”

2019

“ ” “ ”

2 “ ”

“ ”

1-1

“ ”

[2015]16

2.73	2020 26 /	140024.75 / 1043600 0.13 / 26 /
350 /	2019 4 1	577256 1371.93 420.76 / 350 /

“ ”

3

“ ”

1-2

“ ”

“ ”	“ ”	
“ ”		

	“ ”	
“ ”		

	VOCs	
“ ” “ ”		
VOCs		
+	+	

6

2020

[2020]33

1-5 2020

2020 33

VOCs		
VOCs	VOCs VOCs	

VOCs
VOCs

VOCs
 ≥ 2000 C

VOCs
2000
VOCs

8

1-7

VOCs

VOCs

VOCs

“ ”

VOCs

VOCs

	42016	

11

“

”

150m

“

”

150m

1

2

Ě

3

1				2014	4	24		2015	1
1									
2				2018	12	29			
3				2018	10	26			
4				2017	6	27			
5					2018	12	29		
6						2020	4	29	
2020	9	1							
7				2019	1	1			
8				2012	7	1			
9				2018	10	26			
10				2016	7	2			
11				2019	8	26			
12				2019	4	23			
13				2017	10	1			
14					2021			2021	1
1									
15								2015	162
16				2019	1	1			
17				2019					
	29	2019	10	30					
18				2012					2012
		2012	98						
19				2013	12	7			

20	2021	2021	1	1
21		1999	10	1
22				
2012	77			
23				
	2017	2	7	
24				
2019	53			

1	2019	9	28
2	2017	6	1
3	2018	1	1
4			
	2016	176	
5			DB43 /023-2005
6		2012	39
7	2018	1	1
8			
2018	10	9	
9		“	”
	2020	11	17

1	HJ 2.1-2016
2	HJ 2.2-2018
3	HJ 2.3-2018
4	HJ 610-2016
5	HJ 2.4-2021
6	HJ 19-2022
7	HJ 964-2018

8	HJ 169-2018		
9		2017	43
10	HJ 884-2018		
11	HJ 1086-2020		
1			
2			

2.2-1

					-1LP						
									-2S		
						-2LP			-2S	-1LP	
		-1SP	-1SP	-1SP				-1LP		-1LP	
						-1LP	-1LP		-2S		
			-1SP			-1LP			-2S		
											+2LP
							-1LP				
		-1SP	-1SP							-1LP	
		-1SP		-1SP	-1LP	-2LP		-1LP	-2S		
				-1SP	-1LP	-2LP	-1LP	-1LP		-2LP	
W-		1-	2- +	3-			S-	L-		P-	

2.2-2

	SO ₂ NO ₂ PM ₁₀ CO PM _{2.5} O ₃ NMHC	SO ₂ NO _x NMHC
	pH COD	pH SS BOD ₅ COD _{Cr} NH ₃ -N
	K ⁺ Na ⁺ Ca ²⁺ Mg ²⁺ CO ₃ ²⁻ HCO ₃ ⁻ Cl ⁻ SO ₄ ²⁻ pH	
	- -	-
	- GB 36600-2018 1 45 +	
	A	A

1

GB3095-2012

GB3095-2012

HJ 2.2-2018 D D.1

2

DB 43/023-2005

GB3838-2002

3

GB/T 14848-2017

4

4a

2

5

					GB13271-2014
	40	25	/	2.0	DB43/1356-2017
	/			20mg/m ³	GB37822—2019
	2000	15	/	20	GB14554-93

2

GB8978-1996 4

GB/T31962-2015 B

2.3-2				pH		mg/L		
	6~9	500	300	400	/	20	100	20

3

* % X9 Đ ° GB12348-2008

<

GB18599-2020
2013

GB18597-2001

SO₂ NO_x

- HJ 2.2-2018

P_i

$$P_i = \frac{C_i}{C_{0i}} \times 100\%$$

P_i—— i %

C_i—— i 1h
μg/m³

C_{0i}—— i μg/m³

2.4-1

	P _{max} ≥10%
	1%≤P _{max} 10%
	P _{max} 1%

2.4-2

/	/	
		4260000
		40.6
		-10.3

	/m	90
	/km	/
	/°	/

Pmax D10%

		Q≥20000 W≥600000
A		Q 200 W 6000
B		——
1		
B		

“K 71 HJ610-2016 A
A III HJ 610-2016

	I	II	III

$$3 \quad 3\text{dB(A)} \quad [\quad 3\text{dB(A)}]$$

HJ964-2018 A

“

” I

399240m²

2.4-6

	I			II		III		
								-
							-	-
“ ”								

HJ19-2022 6.1

6.1.8Pts

a

$$Q=0.31637 \quad 1 \qquad \qquad \qquad I$$

2.5-1

1		5km
2	a b	
3		6km ²
4		200m
5		1km
6		
7		5km

1

2

3

4

5

“ ”

1

2

3

4

5

2.7-1

1		GB 3838-2002 III
2		GB/T 14848-2017 III
3		GB

		3095-2012
4		3 GB3096-2008 3
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

2.8-1

1		112.485038 E°,28.11222 1N°	20		NE	425
2		112.483477 E°,28.10249 5N°	50		SW	88
3		112.475876 E°,28.10436 1N°	150		W	223
4		112.480107 E°,28.11025 1N°	250		NW	130
5		112.484698 E°,28.10423 6N°			E	100
6		112.484736 E°,28.10391 9N°			SE	100

7		112.485324 E°,28.10386 5N°			SE	270
8		112.484806 E°,28.10347 9N°			SE	100-500

2.8-2

1	112.483477 E°,28.10249 5N°	15	2	SW	88
2	112.480107 E°,28.11025 1N°	60	2	NW	130
3	112.484698 E°,28.10423 6N°		2	E	-

S 100m

U

	577256	11610
2.0%		
9 56		

		1	+	+	5
			1		1
				3	
			+		
		1#		400m ³ /d	
				+	
	2#			“	+
	+SWRO	+MVR	”		
		/			
		525.59m ²			
		280m ²			
		405.35m ²			

1	t	181830	300	3#		
2	t	2424	47	1#		
3	t	2435	47	1#	3#	5#
4	L	100000	1923	1#	3#	5#
5	L	802	5			
6	L	12400	350	300		
					50	
7	L	9400	125	100		
					25	
8	KW·h	7.3×10 ⁷	/	/		
9						

derivatives	9
	10
ω -[3-[3-(2H-benzotriazol-2-yl)	8
derivatives	
1 2 2 6 6-	6
-4-	7
-1 2 2 6 6-	

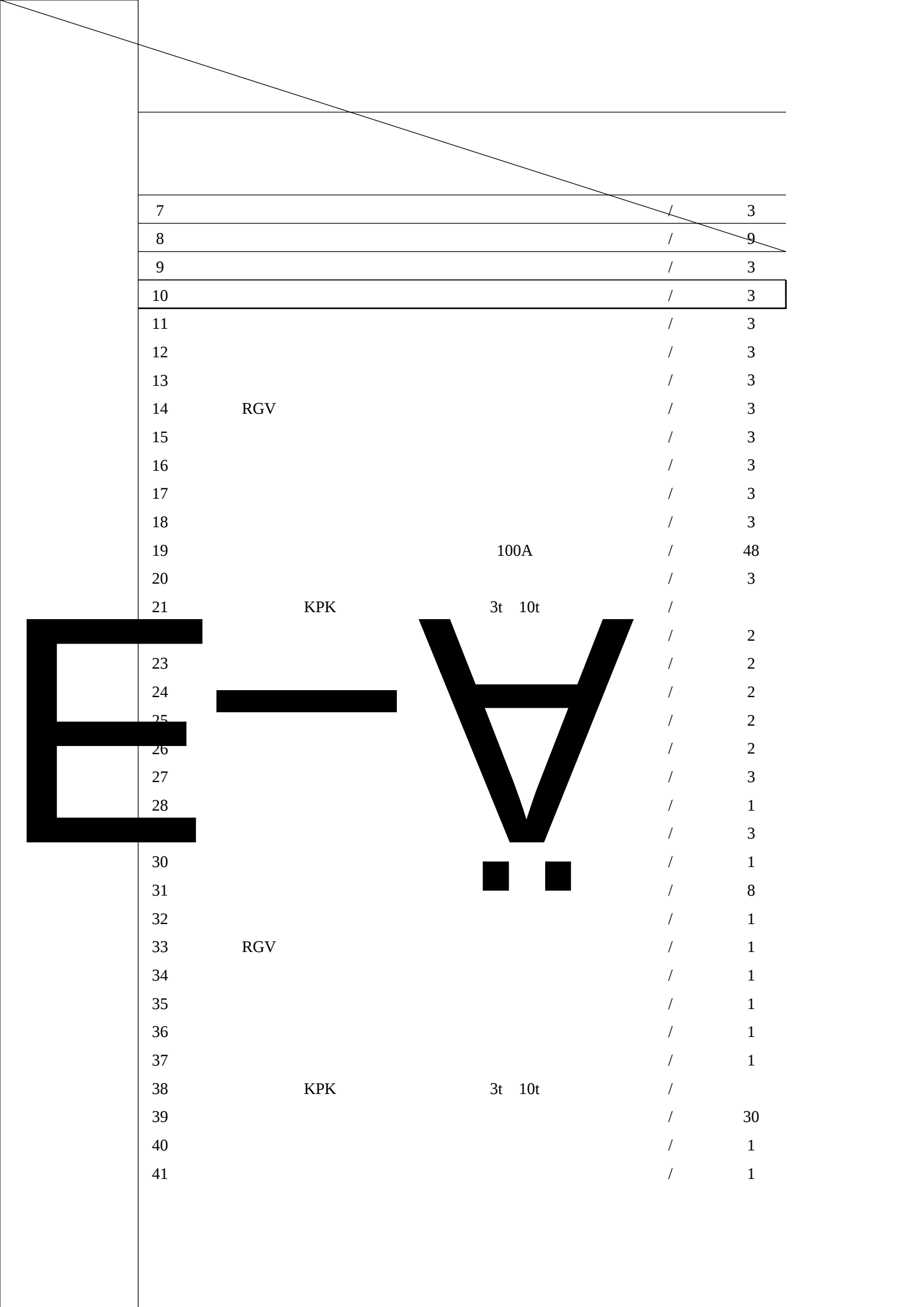
3.4-1

1			13467
2			910
3			55
1			720
1			4000
			19152

3.5-1

1		12kW 4m×32m	/	7
2		12mm×3000m	/	2
3		400-2050mm	/	7
4		1000-4000mm	/	2
5		1200t 2000t 2500t 14m	/	5
6		13m	/	2
7			/	2
8			/	2
9			/	11
10			/	2
11		KRII500A	/	28
12			/	2
13			/	1
14	RGV+		/	4

15		/	1
16		/	7
17	Gn=25t	/	2
18	Gn=10t	/	12
19	Gn=10t S=22.		



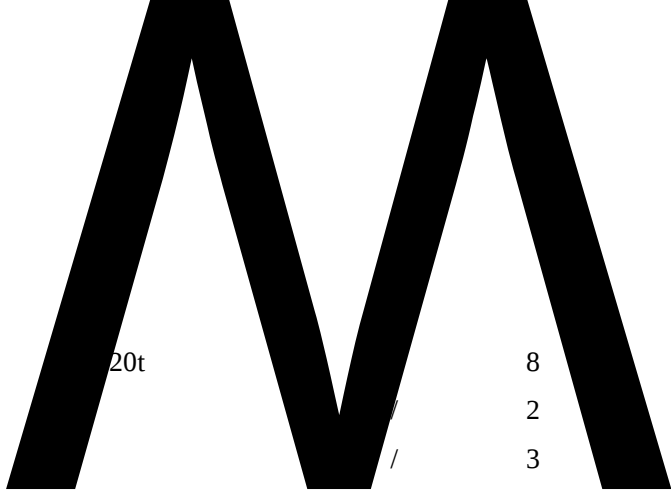
7		/	3
8		/	9
9		/	3
10		/	3
11		/	3
12		/	3
13		/	3
14	RGV	/	3
15		/	3
16		/	3
17		/	3
18		/	3
19		/	48
20		/	3
21	KPK	3t 10t	/
23			2
24			2
25			2
26			2
27			3
28			1
30			3
31			1
32			8
33	RGV		1
34			1
35			1
36			1
37			1
38	KPK	3t 10t	/
39			30
40			1
41			1

42			/	1
43			/	1
44			/	2
45			/	1
46		CLOOS)	/	1
47			/	1
48			/	2
49			/	1
50			/	2
51			/	2
52			/	1
53			/	1
54			/	3
55			/	1
56	RGV		/	1
57			/	1
58			/	1
59			/	1
60		3t 10t	/	
61		100A	/	60
62			/	7
63			/	4
64			/	4
65			/	2
66			/	1
67			/	7
68			/7	8
69				

77			/	1
78		1t	/	8
79	AGV		/	1
80			/	1
1			/	3
2			/	2
3			/	2
4			/	6
5			/	13
6			/	3
7			/	3
8			/	1
9			/	1
10			/	6
11			/	4
12			/	3
13				

31			/	2
32			/	2
33			/	2
34			/	2
1			/	2
2			/	3
3			/	1
4			/	2
5			/	1
6			/	4
7	RGV		/	1
8			/	1
9			/	1
10		500A	/	13
11	KPK	20t 10t 5t	/	
12			/	
13		20t	/	11
14			/	1
15			/	1
16			/	2
17			/	1
18		20t	/	2
19			/	1
20		500A	/	6
21			/	
22	KPK	20t 10t 5t	/	
23			/	
1			/	1
2			/	2
3			/	1
4			/	3
5			/	1
6			/	1

7			/	3
8			/	1
9		1t	/	2
10			/	2
11		500A	/	6
12			/	
13	KPK	10t		



13		20t		8
14			/	2
15			/	3
16			/	1
17			/	4
18			/	
19		500A	/	14
20	KPK Å	32t 20t 5t	/	
21			/	
22			/	1
23			/	1
24			/	1
25			/	1
26			/	1
27		20t	/ ‡	1
28		500A	/	84
2-04				

1			/	2
2		6M	/	1
3			/	2
4			/	1
5			/	2
6			/	1
7			/	1
8			/	20
9			/	5
10		Saturn M—190·32·30H2CT2W	/	1
11		Z30100	/	2
12		8M	/	3
13		8M	/	1
14			/	1
1			/	1
2			/	1
3			/	1
4			/	1
5			/	1
6			/	1
7			/	1
8			/	1
9			/	1
10			/	1
11			/	1
12			/	1
13			/	1
14			/	1
15			/	1
16			/	1
17			/	1
18			/	1

19		/	1
20		/	1
21		/	2
22		/	1



5	/	1
6	/	1
7	/	1
8	/	1
9	/	1
10	/	1
11	/	1
12		

1	/	1
2	/	1
3	/	1
4		

5		ZY-G10W	/	1
6	KBK	S=6m Gn=300kg	/	10
7		3m 2m 300kg	/	8
8		200-1000N.m	/	40
9		-		
1		240000mm*5100mm*3000mm * *	/	1
2		5m 8t+8t	/	1
3		S=16m Gn=10+10t	/	1
4		2t 1.5m	/	1
5		10m 16m*3m*1.8m * *	/	4
6	KBK	5.5m 500kg	/	4
7		3m 300kg	/	4
8		200-1000N.m	/	20
9			/	1
10		4000m³/h 3KW	/	1
11		-	/	1
12		-		
13			/	1
14			/	1
15			/	1
16			/	1
17			/	2
18			/	1
19			/	1
20			/	1
21			/	1

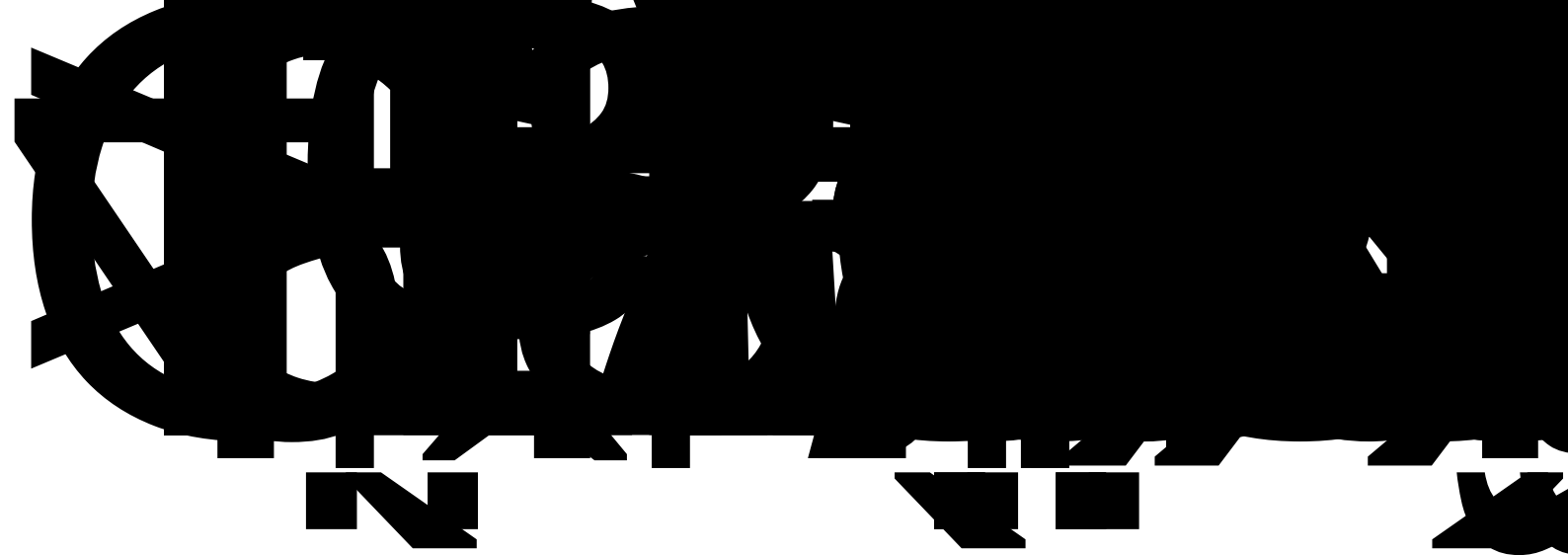
22			/	1
23			/	1
24			/	1
25			/	3
26			/	2
27	EMS		/	3
28			/	8
29			/	1
30			/	1
31			/	1
32	AGV		/	2
33	KBK		/	20
34			/	6
35			/	1
36			/	1
37		Gn=10t S=22.5m	/	4
38			/	20
1		15 L=80m	/	1
2		4000mm*2000mm*1500mm * * 5T	/	2
3		3m 2m 300kg	/	4
4		200-1000N.m	/	3
5		+ 100kg	/	1
6		+ : 300KG	/	1
7		15-36N.m	/	2
8			/	1
9			/	1
10		SR-G100	/	1
11		200-1000N.m	/	16
12	KBK	5.5m	/	8

		500kg		
13	Gn=5t		/	1
14				
15				

8	/	30
9		

1	/	1
2	/	1
3	/	1
4		

		L=1000kg		
3		L=100 3500kg	/	1
4		L=100 3500kg	/	1
5		L=154M 3500kg	/	1
6		L=240 4500kg	/	1
7		L=110m 12000kg	/	1
8		10-50	/	20
9	AGV	1-2t	/	40
10		3-8t	/	6
11		5t	/	10
12				
13				
14				
1		10-50		
2	AGV	1-10t		
3		3-8t		
4		5t		
5		20t		
6				
7				



Ä1] ? X+O@}

1#

2# İ 3# 1#² 0

j Đ 7⁻:

EBS ©

3# 5#

“ ”

1#

3#

5#

1

2

1#

3#

6#

7#

1

2

40 -50

2

6

3

2

3 Si-OR

Si-OH

Me-OH

Si-OH

Me-OH

Si-O-Me

SiOH

+MeOH

=SiOMe

+H₂O

Si-OH

Si-O-Si

4

3min

28±2

UF

UF

UF

UF1

3

1

UF2

UF

1

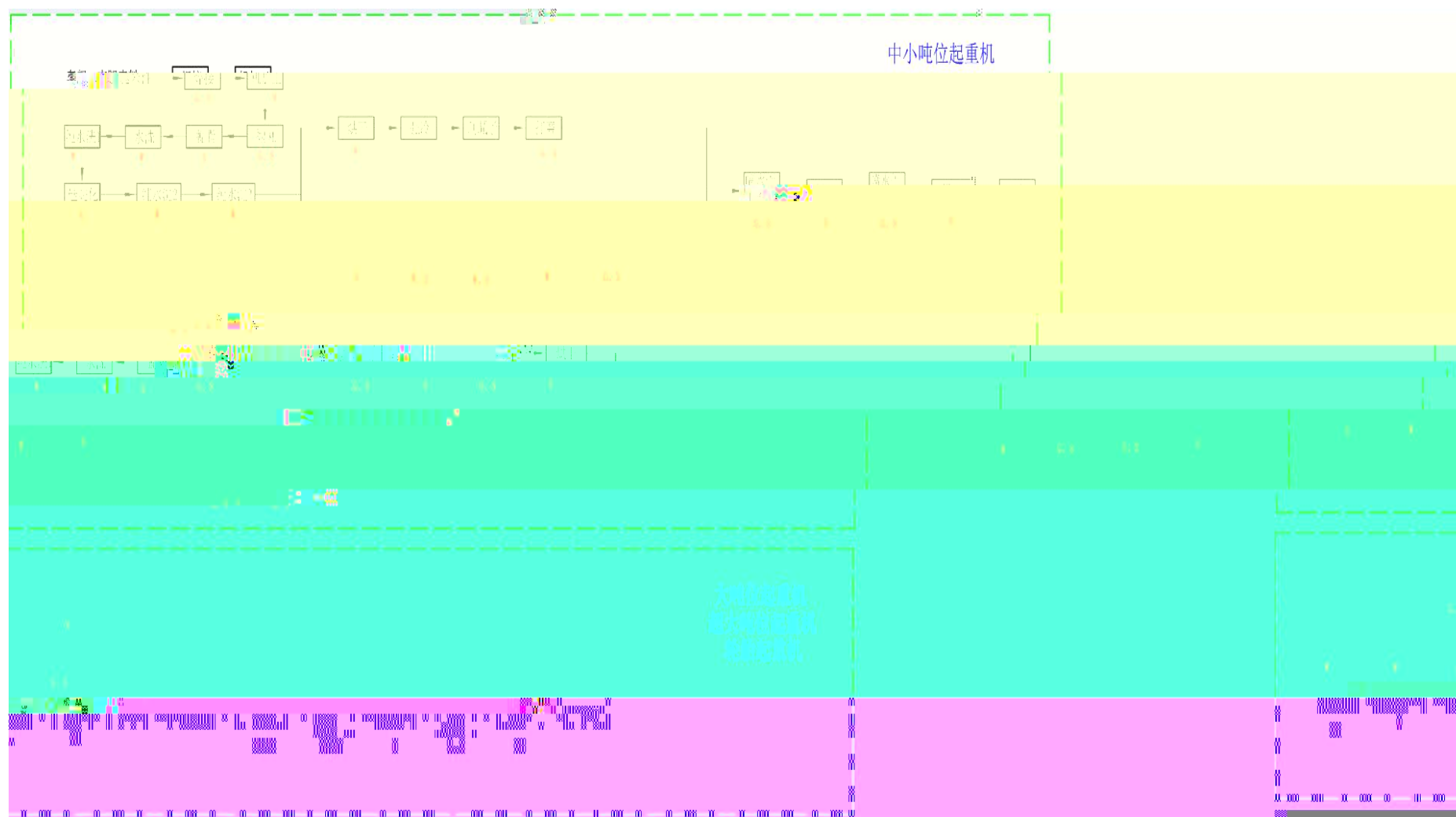
5

6

7

2#

6#



4.1-1

4.2-1

	G1				
	G2				
	G3				
	G4			VOCs	
	G5			VOCs	
G	G6			VOCs	
	G7				
	G8			VOCs	
	G9			VOCs	
	G10			SO ₂ NO _x	
	W1			COD _{Cr} SS	\ m
	W2			COD _B SS	
i xW	W3x	đ κ			



4.3-2

t/a

4

?

ÈIH!'•OR@'Dy•

CO THC NOx

CO 5.25g/ ·km THC 20.8g/ ·km NOx 10.44g/ ·km

Ã

?

ã

4.4-1

	86
	84
	110
	88
	88
	87
	85

4.4-2

			90 80 85 75

1

2

1

1

2021

24 “35 ”

2.19kg/t 6 1#

3# 6# 7#

6 +

90% + 95%

1# DA001

1# 93579t/a 3760h

204.94t/a 86000m³/h 1#

9.22t/a 2.45kg/h

28.52mg/m³ 20.49t/a 5.45kg/h

1# DA004

1# 11415t/a 3760h

25t/a 34000m³/h 1#

1.12t/a 0.30kg/h

8.80mg/m³ 2.50t/a 0.66kg/h

3# DA006 DA007

3#		68146t/a
3760h		149.24t/a
146000m ³ /h	3#	6.72t/a
1.79kg/h		12.23mg/m ³
14.92t/a	3.97kg/h	

			2021	24	“35	
		”				166kg/t
		7	1#	1	6#	1
7#	5					
	1#		DA002			
	1#	15t/a	3760h		1#	
		2.49t/a	1#			
		90%	90%			
	57000m ³ /h		0.22t/a			0.06kg/h
		1.05mg/m ³		0.25t/a		
	0.07kg/h					
	6#		DA011			
	6#	15t/a	3760h		6#	
		2.49t/a	6#			
		90%	90%			
	72000m ³ /h		0.22t/a			0.06kg/h
		0.83mg/m ³		0.25t/a		
	0.07kg/h					
	7#		DA012	DA013		
	7#	2			15t/a	
	3760h		7#			
	2.49t/a	7#				
		90%	95%			
	120000m ³ /h		0.11t/a			0.03kg/h
		0.25mg/m ³		0.25t/a		
	0.07kg/h					
	7#		DA014	DA015		
	7#	2			2t/a	
	3760h	7#				0.33t/a
						7#

90%

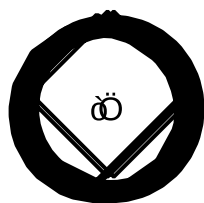
95%

140000m³/h

1#	3#	6#
1#	DA003	
1#		
1#	560t/a	3760h
1#	84.0t/a	123.20t/a 1#
“ + + ”		
90%	98%	+
87.7%		480000m ³ /h
	9.30t/a	2.47kg/h
5.15mg/m ³		8.40t/a
2.23kg/h		
	2.22t/a	0.59kg/h
1.23mg/m ³	12.32t/a	3.28kg/h
3#	DA008	
3#	460t/a	3760h
3#	69.0t/a	101.20t/a 3#
“ + + ”		
90%	98%	+
87.7%		550000m ³ /h
	7.64t/a	2.03kg/h
3.69mg/m ³		6.90t/a
1.83kg/h		
	1.82t/a	0.48kg/h
0.88mg/m ³	10.12t/a	2.69kg/h
6#	DA010	
6#	360t/a	3760h
6#	54t/a	79.20t/a 6#
“ + + ”		

8

90%	98%	+
87.7%		850000m ³ /h
	5.98t/a	1.59kg/h
1.87mg/m		



2021

24				1	Nm ³	
13.63	Nm ³			NOx18.71kg	SO ₂ 0.02×Skg	
	200mg/m ³	S=200		2.4kg		
	1#			575000Nm ³ /a		
5000m ³ /h		NOx0.54t/a	0.14kg/h	28.61mg/m ³	SO ₂ 0.23t/a	
0.06kg/h	12.23mg/m ³	0.14t/a	0.04kg/h	7.34mg/m ³	20m	

3#	410000Nm³/a			3500m³/h	
	NOx0.38t/a	0.10kg/h	29.15mg/m³	SO₂0.16t/a	0.04kg/h
12.46mg/m³	0.10t/a	0.03kg/h	7.48mg/m³	20m	
6#	380000Nm³/a			5000m³/h	
	NOx0.36t/a	0.09kg/h	18.91mg/m³	SO₂0.15t/a	0.04kg/h
8.09mg/m³	0.09t/a	0.02kg/h	4.85mg/m³	20m	

4.4-8

1#	NO _x	DA020	20	1.08		28.61	0.14	0.54
						/	/	/
	SO ₂			0.23		12.23	0.06	0.23
						/	/	/
					0.14		7.34	0.04	0.14
	/	/	/					
3#	NO _x	DA021	20	0.77		29.15	0.10	0.38
						/	/	/
	SO ₂			0.16		12.46	0.04	0.16
						/	/	/
					0.10		7.48	0.03	0.10
	/	/	/					
6#	NO _x	DA022	20	0.71		18.91	0.09	0.36
						/	/	/
	SO ₂			0.15		8.09	0.04	0.15
						/	/	/
					0.09		4.85	0.02	0.09
	/	/	/					

2

1

“35

”

9.19kg/t

2435t/a

Miles

4.4-9

DA001		204.94	90	+	95	86000	28.52	2.45	9.22	20.49	5.45
DA002		2.49	90		90	57000	1.05	0.06	0.22	0.25	0.07
DA003	NMHC	84.0	90	+		480000	5.15	2.47	9.30	8.40	2.23
		123.20	90		98		1.23	0.62	2.22	12.32	3.28
DA004		25.0	90	+ \$		34000	86.72	0.730	1.12	2.50	0.66
DA005	NMHC	0.60	90		6						

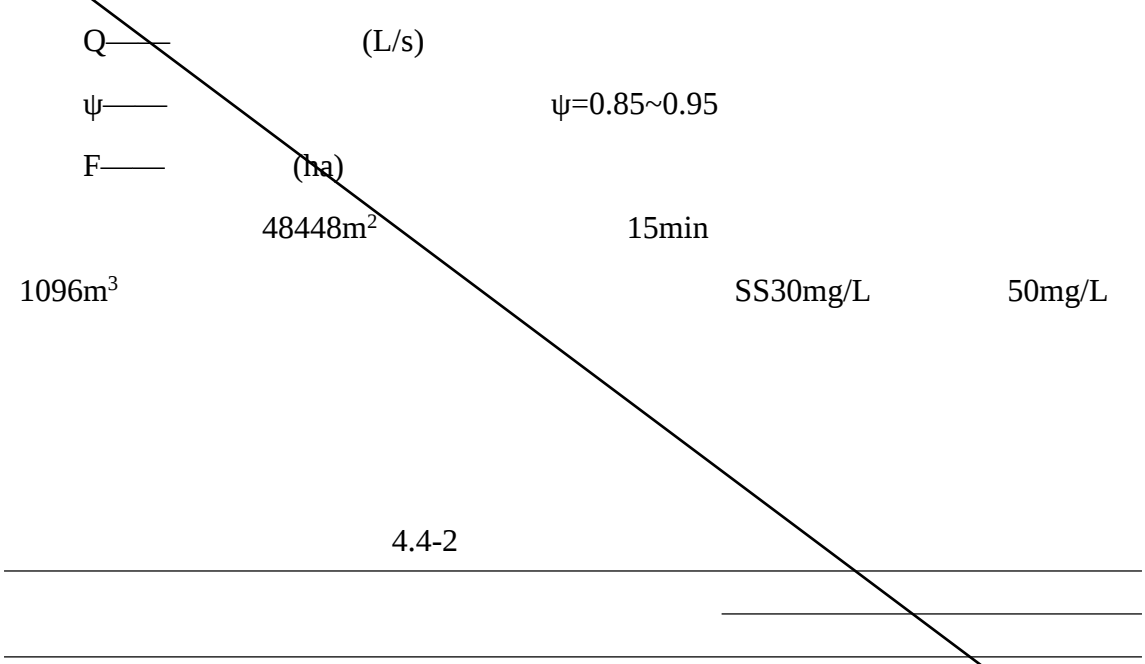
DA010		NMHC	54.0	90	+	87.7	850000	1.87	1.59	5.98	5.40	1.44
			79.20	90		98		0.45	0.38	1.43	7.92	2.11
DA011			2.49	90		90	72000	0.83	0.06	0.22	0.24	0.07
DA012 DA013			2.49	90		95	120000	0.25	0.03	0.11	0.25	0.07
DA014 DA015			0.33	90		95	140000	0.03	0.004	0.01	0.03	0.009
DA016		NMHC	54.18	90	+	87.7	380000	4.20	1.60	6.00	5.42	1.44
			3.54					0.27	0.10	0.39	0.35	0.09
			33.0			98		0.42	0.16	0.59	3.30	0.88
DA017		NMHC	32.51	90	+	87.7	380000	2.52	0.96	3.60	3.25	0.86
			2.12					0.16	0.06	0.24	0.21	0.06
			19.80			98		0.25	0.09	0.36	1.98	0.53
DA018			1.41	90	+	95	:	0.22	0.02	0.06	0.14	0.04
DA019			6.64	90	+	98	107000	0.30	0.03	0.12	0.66	0.18
DA020	1#	NOx	1.08	100		50	5000	28.61	0.14	0.54	/	/

		SO ₂	0.23	100		0	5000	12.23	0.06	0.23	/	/
			0.14	100		0	5000	7.34	0.04	0.14	/	/
DA021	3#	NO _x	0.77	100		50	3500	29.15	0.10	0.38	/	/
		SO ₂	0.16	100		0	3500	12.46	0.04	0.16	/	/
			0.10	100		0	3500	7.48	0.03	0.10	/	/
DA022	6#	NO _x	0.71	100		50	5000	18.91	0.09	0.36	/	/
		SO ₂	0.15	100		0	5000	8.09	0.04	0.15	/	/
			0.09	100		0	5000	4.85	0.02	0.09	/	/



7#
25.6m³/d COD≤500mg/L SS≤70mg/L

800 1000



	—	33088
CODcr	750	24.82
SS	200	6.62
	500	16.54
	—	25850
CODcr	700	18.10
SS	400	10.34
	60	1.55
	60	1.55
	—	5640
CODcr	1000	5.64
SS	200	1.13
	—	6016
CODcr	500	3.00
	70	0.42
	—	2350
CODcr	500	1.17
SS	300	0.70
	10	0.02
	—	28576
CODcr	500	14.29
BOD ₅	200	5.71
SS	300	8.57
NH ₃ -N	45	1.28
	—	1233m ³ /
SS	30	0.042t/

			50	0.071t/

322m³/d

+

GB/T31962-2015 B

GB8978-1996

322m³/d

4.4-3

	mg/L	pH	—	6-9	500	200	300	45	/
	t/a	28576	—		14.29	5.71	8.57	1.28	/
+	mg/L	pH	—	6-9	425	1833 vv	210	43.6 ³	/p
	t/a	28576	—		12.14	5.20	6.00	1.24	/
	mg/L	pH	—	6-9	735.53	/	179.44	/	360.74
	t/a	47094	—		34.64	/	8.45	/	16.99
	mg/L	pH	n n	6-9	294.21	/	53.83	/	108.22
	t/a	47094	—		13.86	/		/	5.10

4.4-4

dB(A)

		75~90	65~70
		80~85	60~65
		80~90	60~70
		80~85	60~65
		85~90	65~70
		80~85	60~65
		85~90	65~70
		75~85	55~65
		80~90	60~70

1

2

3

4

70dB A

4.4-5

t/a

1					184.3
2					73
3					3
4					4

5		77
6		11.5
7		1.0
8		47
9		3
10		2
11		340
12		22
13		1
14		2

				HW08	900-249-08	3	
				HW49	900-047-49	22	
				HW49	900-047-49	1	
				HW49	900-047-49	2	
				/	/	2	
				/	/	340	
				/	/	893	

1

GB8978-1996

COD_{Cr} NH₃-N

26t/a 3.3t/a

GB18918-2002 IV

COD_{Cr}30mg/L NH₃-N1.5mg/L

COD_{Cr} NH₃-N 2.27t/a

0.11t/a

2

SO₂ NO_x VOCs

SO₂ NO_x VOCs

0.54t/a 1.28t/a 62.03t/a

4.4-7

1	COD	2.27	2.27
2	NH ₃ -N	0.11	0.11
3	SO ₂	0.54	0.54
4	NO _x	1.28	1.28
5	VOCs	62.03	62.03

COD_{Cr} 2.27t/a 0.11t/a SO₂

0.54t/a NOx 1.28t/a VOCs 62.03t/a

“ ” 319

112.482105°E 28.105557°N 1

1607.9

200
30-80 300.8
23.5
100 30

100.0m 46.5m 53.5m
60- 90m

30m

20%

600

e

2021 1 1 ~2021 12 31
2021 1 ~12

5.2-1 2021			μg/m ³	
PM ₁₀			52	70
PM _{2.5}			43	35
NO ₂			29	40
SO ₂			7	60
CO	95		992	4000
O ₃	90	8h	126	160

2mg/m³

5.2-3 mg/m³

G1		ND	0	0.2	
	NMHC	0.69-0.82	0	2.0	

2mg/m³

“ 2021 1 ~12 ”
“2021 1 ~12 ”

2021 1-12

III

1 W1 W2
2 pH COD
3 2020 3 21
4 GB3838-2002 III
5

5.2-3 mg/L pH

W1	2020.3.21	7.63	6.1	7	0.437	0.14

S 5.2-5

mg/L pH

D1

		0.006L	0.21-0.23	88-90	1.5	0.018L	0.7-0.706	ND	ND	ND	2	30-40
	%	0	0	0	0	0	0	0	0	0	0	0
pH												
6.5-8.5		≤0.50	≤20	≤1.0	≤0.002	≤0.05	≤0.01	≤0.001	≤0.05	≤450	≤0.01	
≤1.0		≤0.3	≤1000	≤3.0	≤250	≤250	≤0.50	≤3.0	≤100			

(æd
2022 6 6 ~2022 6 12

6

5.2-6

T1		112.481151°E	28.110586°N
T2	$^2 j?^- \times$	112.481328°E	28.104678°N
T3			

	T1~T3	T5	T4			
					GB36600-2018	1
	T6					
				GB15618-2018		1
5.2-7					mg/kg	



5.2-7

mg/kg

12.2	0.52	ND	24	35	0.138	20	ND	ND
60	65	5.7	18000	800	38	900	2.8	0.9
ND	ND	ND	ND					

T4

0-0.2m

ND

2022 6 6 ~2022 6 12

4

3

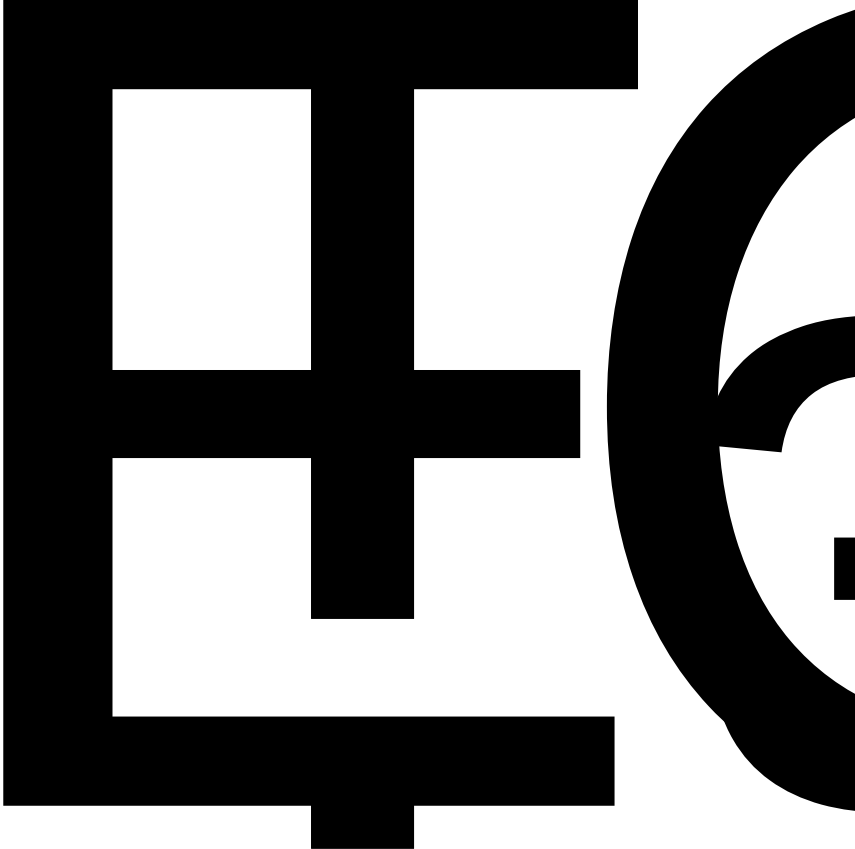
5.2-8

N1	1m	112.484281°E	28.105376°N	
N2	1m	112.483721°E	28.102722°N	
N3	1m	112.480620°E	28.104493°N	
N4	1m	112.482416°E	28.111123°N	

LAeq

1

GB3096-2008 2 4a



1m	3mg/m ³	25m	1.53mg/m ³	60m
TSP				
4~5	70%			
	SO ₂	NO ₂	CO	

$$L(r) = L(r_0) - 20 \lg(r/r_0) - \alpha(r-r_0)$$

$$L(r) = L(r_0) - 20 \lg(r/r_0) - \alpha(r-r_0)$$

HJ2.4-2009

A_{atm}

A_{gr}

6.1-2

dB A

m	10	20	40	60	80	100	150	200	250	300	350	520
	82	75.9	69.8	62.3	59.1	56.6	52.0	-	-	-	-	-
	88	81.9	75.8	68.3	65.1	62.6	58.0	54.7	-	-	-	-
	82.5	76.4	70.3	62.8	59.6	57.1	52.5	-	-	-	-	-
	82	75.9	69.8	62.3	59.1	56.6	52.0	-	-	-	-	-
	100	93.9	87.8	80.3	77.1	74.6	70.0	66.7	64.0	61.8	60.0	54.9
	87	80.9	74.8	67.3	64.1	61.6	57.0	53.7	-	-	-	-

60m

~

((2015)15)

2

1

2

pH

3

4

m

DA006			149.24	6.72	1.79	12.23
				14.92	3.97	/
DA007			149.24	6.72	1.79	12.23
				14.92	3.97	/
		NMHC	54.00	5.98	1.59	1.87
DA008				5.40	1.44	/
			101.20	1.82	0.48	0.88
				10.12	2.69	/
DA009			2.78	0.12	0.03	0.19
				0.28	0.07	/
		NMHC	54.00	5.98	1.59	1.87
DA010				5.40	1.44	/
			79.20	1.43	0.38	0.45
				7.92	2.11	/
DA011			2.49	0.22	0.06	0.08
				0.25	0.07	/
				0.11	0.03	0.25
DA012			2.49	0.25	0.07	/
	1			0.11	0.03	0.25
DA013			2.49	0.25	0.07	/
	2			0.25	0.07	/
DA014			0.33	0.01	0.004	0.03
	1			0.03	0.009	/
DA015			0.33	0.01	0.004	0.03
	2			0.03	0.009	/
		NMHC	54.18	6.00	1.60	4.20
				5.42	1.44	/
DA016			3.54	0.39	0.10	0.27
				0.35	0.09	/
			33.00	0.59	0.16	0.42
				3.30	0.88	/
		NMHC	32.51	3.60	0.96	2.52
				3.25		
DA017						

DA020	1#	NO _x		1.08	0.54	0.14	28.61
					/	/	/
		SO ₂		0.23	0.23	0.06	12.23
					/	/	/
				0.14	0.14	0.04	7.34
					/	/	/
DA021	3#	NO _x		0.77	0.38	0.10	29.15
					/	/	/
		SO ₂		0.16	0.16	0.04	12.46
					/	/	/
				0.10	0.10	0.03	7.48
					/	/	/
DA022	6#	NO _x		0.71	0.36	0.09	18.91
					/	/	/
		SO ₂		0.15	0.15	0.04	8.09
					/	/	/
				0.09	0.09	0.02	4.85
					/	/	/
/				22..38	/	/	/
					2.24	0.60	/
/				19.80	/	/	/
					0.99	0.26	
	SO ₂				0.54		
	NO _x				1.28		
	NMHC				32.60		
					24.69		
					0.63		
	SO ₂				/		
	NO _x				/		
	NMHC				29.43		
					78.65		
					0.56		
	SO ₂				0.54		
	NO _x				1.28		
	NMHC				62.03		
					103.34		
					1.19		

HJ 2.2-2018

) 2017

2019 7 31

HJ 610-2016

0.30~7.50m

(Qd1)

95%

0.80~5.40m

(Qal)

~

95%

0.90~9.10m

(Qal)

~

80mm

2~20mm

0.80~7.20m

(Qel)

~

95%

0.60-8.60m

(K)

RQD

30~45

V

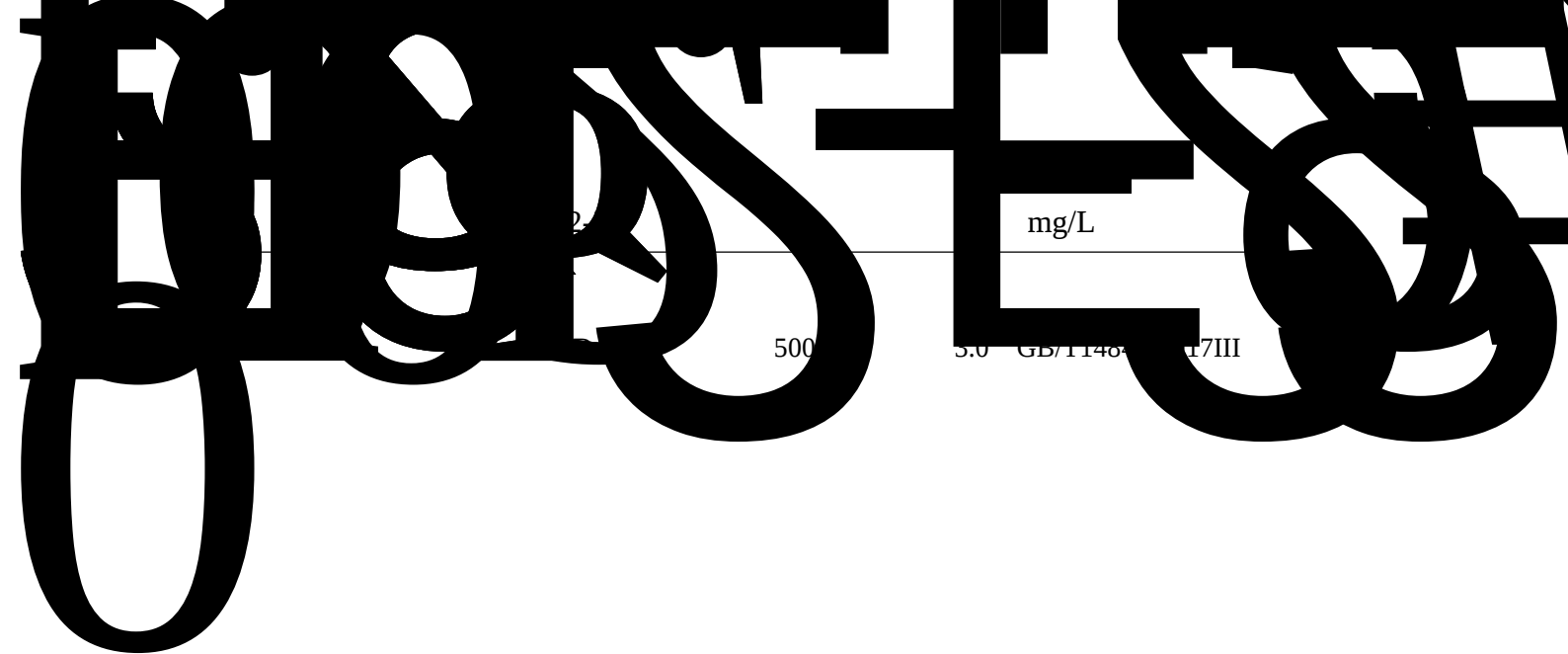
5.9m

“ + ”

2

6.2-2

A large, stylized number 3 is the central element. To its left, the symbols C_0 , x , u , t , and D are listed vertically, each followed by a horizontal line. Above the top of the 3 is the expression $\frac{1}{2}$. To the right of the top of the 3 is the expression $\frac{-}{2\sqrt{\quad}} + \frac{1}{2} - \frac{+}{2\sqrt{\quad}}$. To the right of the middle of the 3 is the unit mg/L . To the right of the bottom of the 3 is the unit m . Inside the bottom loop of the 3 is the letter d .



2

mg/L

500

5.0

GB/T1466

17III

6.2-4 COD

5	321.00	442.00	469.00
10	162.00	385.00	437.00
15	69.20	329.00	406.00
20	23.90	276.00	374.00
25	6.59	228.00	343.00
30	1.45	184.00	313.00
35	0.25	146.00	283.00
40	0.03	113.00	255.00
45	0.00	86.00	228.00
50	0.00	64.10	203.00
60	0.00	33.30	157.00
70	0.00	15.80	118.00
80	0.00	6.90	86.80
90	0.00	2.74	61.90
100	0.00	0.99	42.90
110	0.00	0.33	28.90
120	0.00	0.10	18.90
130	0.00	0.03	12.00
140	0.00	0.01	7.36
150	0.00	0.00	4.39
160	0.00	0.00	2.54
3.0mg/L			

2

50m 100m 170m COD

50m 322

COD 100m 1254

COD 170m 3494

COD

6.2-5 COD mg/L

0	0.00	0	0.00	0	0.00

50	0.00	100	0.00	200	0.00
100	0.00	200	0.00	400	0.00
150	0.03	300	0.00	600	0.00
200	0.23	400	0.00	800	0.00
300	2.19	500	0.00	1000	0.00
400	6.99	600	0.03	1600	0.02
500	14.30	700	0.10	2000	0.11
600	23.20	800	0.26	2600	0.64
700	33.10	900	0.54	3000	1.43
800	43.40	1000	0.99	3600	3.43
900	53.80	1500	6.22	4000	5.35
1000	64.10	2000	16.00	4600	9.07
1500	111.00	2500	28.80	5000	12.00

“ ”

“ ”

2

10-15cm

2mm

$\leq 10^{-10} \text{cm/s}$

$\leq 10^{-10} \text{cm/s}$

40mm

2mm HDPE

$\leq 10^{-10} \text{cm/s}$

GB18597-2001

$\leq 10^{-7} \text{cm/s}$

GB18599 2001

VOCs

VOCs

HJ964-2018

$$\Delta S=n(I_s \quad L_s \quad R_s)/(\rho b\times A\times D$$

$$\Delta S\text{—} \qquad \qquad \qquad \text{g/k}$$

$$I_s\text{—} \qquad \qquad \qquad \text{g}$$

$$L_s\text{—} \qquad \qquad \qquad \text{g} \quad R_s\text{—}$$

$$\text{g}$$

$$\rho b\text{—} \qquad \qquad \text{kg/m}^3$$

$$A\text{—} \qquad \qquad \text{m}^2$$

$$D\text{—} \qquad \qquad \text{0.2m}$$

$$n\text{—} \qquad \qquad \text{a}$$

$$B$$

VOCs

$$0.012\text{-}\tilde{\delta}$$

5.12mg/kg 10.24mg/kg 21.45mg/kg

VOCs 1 5 10 20

GB36600-2018

2

$\leq 10^{-10}$ cm/s

“ ”

1

405m²

2

GB18599-2001

3

893t/a

4

HJ2025-2012

GB18597-2001

35

85%

6.2-8

/

1

“ ”

2

GB50493-2009



Aî5\$ Ô þ»F

1

$$V = V_1 + V_2 + V_{\max} - V_3$$

$$V_1 + V_2$$

1

350m³

3

HJ 169-2018

/

6.2-9

	E 112.482105°	N 28.105557°
	1 2 3 4 5	
	1	

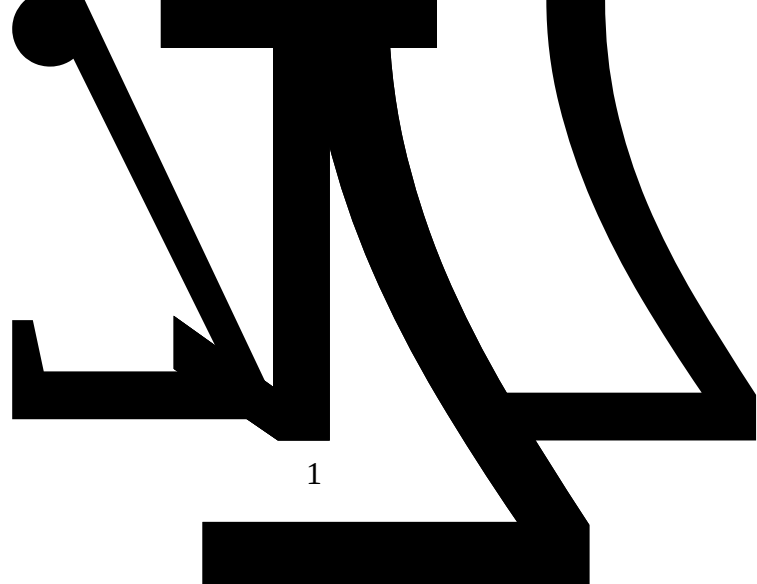
2

3

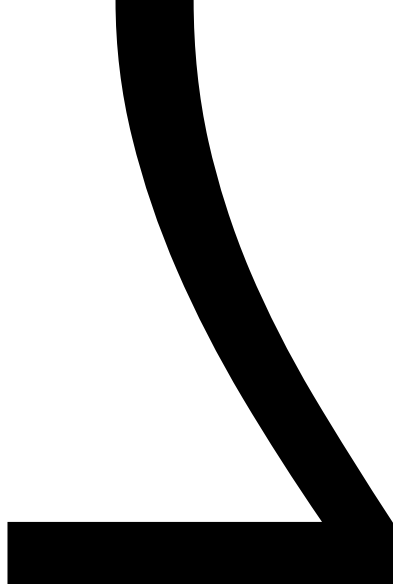
4

5

1



1



1

100%

100%

100%

100%

100%

100%

50%

70%

2

0#

1

GB18918-2002 A

2

3

4

5

1

2.5m

2

GB12523-2011

6 00

22 00

2

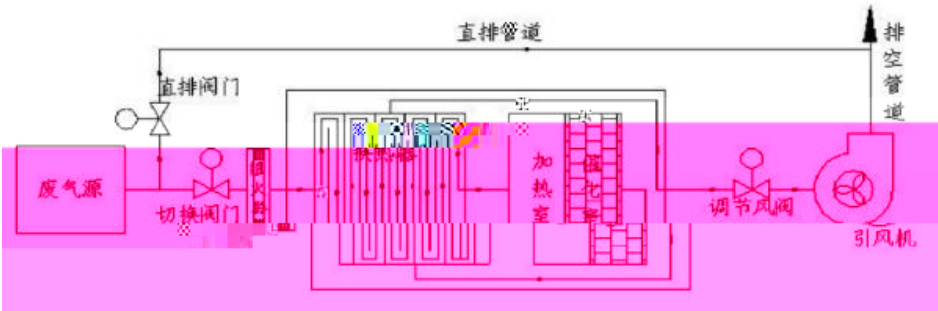
3

4

5

PHOTO ONE

CO



7.2-1 CO

CO

200 400

CO

200-400

85%

95%

2.6~30mg/m³

5~30

20~1500mg/m³

CO

VOCs

CO

85%

HJ 971-2018

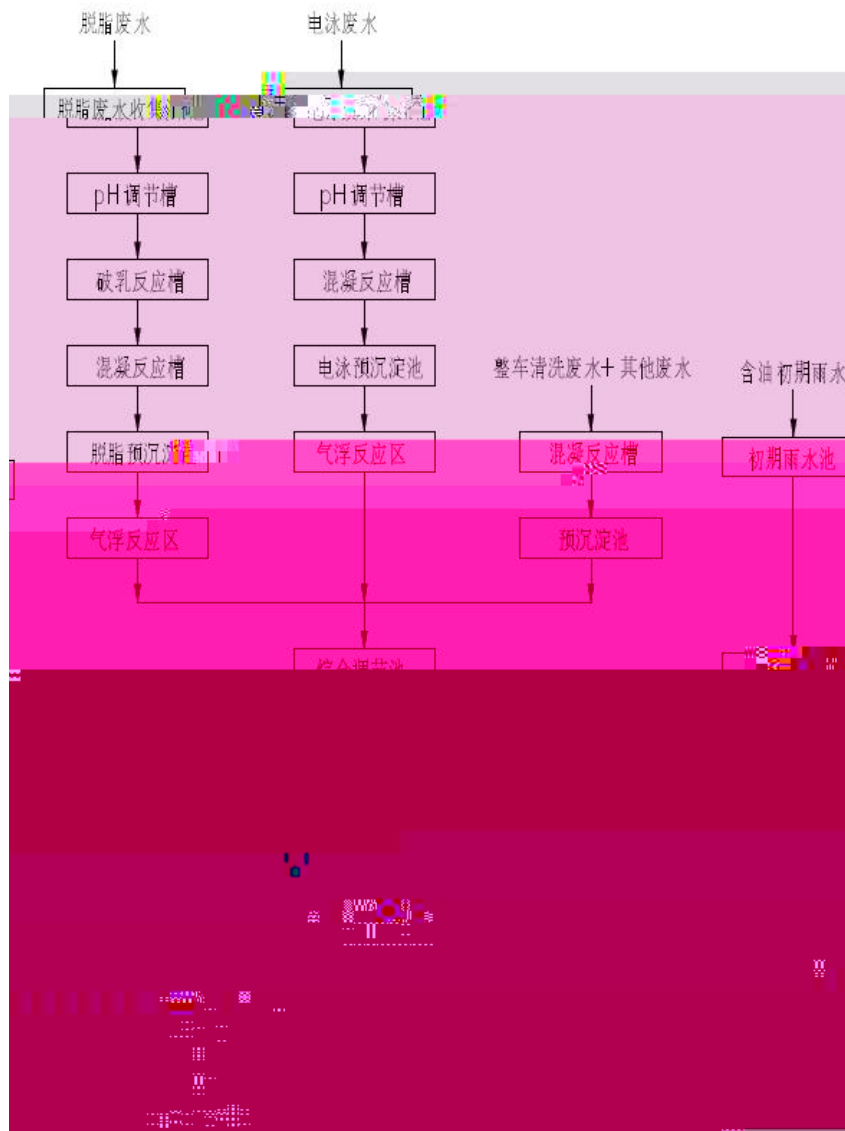
2

+

[illegible]

SWRO

SWR



28576m³/a 121.6m³/d

(GB18918-2002) I类标准 (mg/L)

GB8978-1996

322t/d

0.2%

“

”

()

1

10

2

6.0m

1.0×10⁻⁷cm/s

1.5m

1.0×10⁻⁷cm/s

3

7.2-1

1			
2			
3			
4			
5			/

65~90dB(A)

10~40dB(A)

15~30dB(A)

3~15dB(A)

GB 18597-2001 2013

1999 5

2014 22

a

b

c

1m

$1.0\times10^{-7}\text{cm/s}$

2mm

$1.0\times10^{-10}\text{cm/s}$

d

e

GB 15562.2

GB 8978

f

9

9

3

3130-88

JT 618

(2005 9)

GB 13392-2005

JTJ

1

2

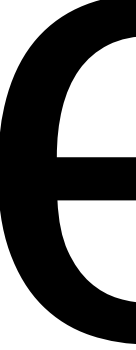
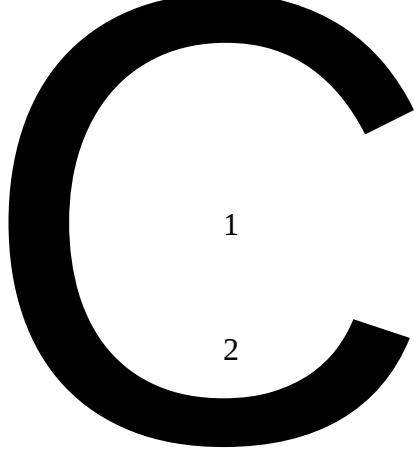
3

3800

577256

36.03%

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			1 2 3 4350m³	200
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9.1-2

		+	
		+20m	
		+20m	
		+	
		+20m	
NMHC		+	+
		+25m	
NMHC		+20m	
		+	
		+20m	
		+	
		+20m	GB9067-1996
NMHC		+	+
		+25m	NMHC
		+	
		+20m	DB43/1356-2017 1
		+20m	
NMHC		+	+
		+25m	
		+20m	2
		+20m	2
		+	
		+20m	
NMHC		+	

			+25m		
		NMHC	+	+	
			+25m		
			+		
			+20m		
1#	NO _x	SO ₂			SO ₂ NO _x
			+20m		
3#	NO _x	SO ₂		GB13271-2014	3
			+20m		
6#	NO _x	SO ₂			
			+20m		
				GB16297-1996	
	COD	SS			
		TN			
	COD _{cr}	BOD ₅			
	SS	NH ₃ -N		GB/T31962-2015	B
	Leq	A			4
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	DA001 DA002 DA004 DA006 DA007 DA009 DA011~DA015 DA018 DA019		1 /
	DA005	NMHC	
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	DA020~DA022	NOx SO ₂	
		NMHC	

577256

11610

2.0%

932137.26m²

24

3800

3760h

	2021	PM ₁₀	SO ₂	NO ₂
CO	95	O ₃	8h	90
		GB3095-2012		
PM _{2.5}				
HJ2.2-2018				HJ2.2-2018
D				
	2mg/m ³			
				pH
COD				GB3838-2002 III
		pH	COD	
	GB3838-2002 III			
GB3838-2002 III				
				GB/T14848-2017
III				
GB3096-2008 4a				
	-			GB36600-2018
				GB

15618-2018



20

VOCs

1



	+20m	
+		+20m
+		+
+25m		
	+20m	
+		+20m
+		+20m
+		+
+25m		
+		+20m
	+20m	
+		+
+25m	25m	
+20m		2
+20m		2
+		+20m
		On &

NMHC

NMHC

NMHC

NMHC

		/	
		/	
			350m ³

1

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