

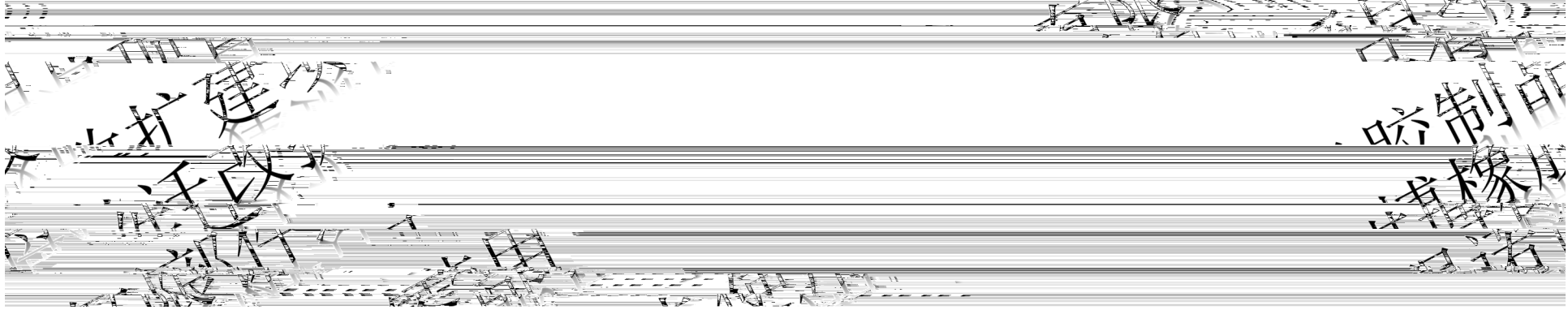








有限公司 环



控制  
橡胶



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)s 3D 4C 000C 8A030B 0510 10B 02 100P %2†z2P

P # 0005 1

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0B0 103 10P

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91130605679931695Q

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2022 5 5






1. 6

2. 12333

3. " " App " "

4. [https://he.12333.gov.cn/#/1GRFWDT/GRFWOBLB\\_SHBZ\\_ZMYZ\\_ZMYZ](https://he.12333.gov.cn/#/1GRFWDT/GRFWOBLB_SHBZ_ZMYZ_ZMYZ)



: 0-14761214298726401

App







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1	.....	1
1.1	.....	1
1.2	.....	3
1.3	.....	4
1.4	.....	4
1.5	.....	15
2	.....	17
2.1	.....	17
2.2	.....	22
2.3	.....	23
2.4	.....	25
2.5	.....	29
2.6	.....	29
2.7	.....	30
2.8	.....	30
3	.....	35
3.1	.....	35
3.2	.....	62
4	.....	115
4.1	.....	115
4.2	.....	118
4.3	.....	122
4.4	.....	122
5	.....	142
6	.....	143
6.1	.....	143
6.2	.....	156

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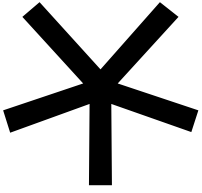
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6.5	.....	172
6.6	.....	174
6.7	.....	185
7	.....	192
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7.2	.....	196
7.3	.....	202
7.4	.....	202
7.5	.....	205
8	.....	207
8.1	.....	207
8.2	.....	207
8.3	.....	208
8.4	.....	208
9	.....	208
9.1	.....	209
9.2	.....	217
9.3	.....	220
10	.....	225
10.1	.....	225
10.2	.....	232



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1994 2018 6  
10  
2011  
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" " " 2017 8 26  
60  
2017 10 31 2 2018 5 21  
60 3  
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2018 5  
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5 ( [2018]6 ) 5  
2018 10 1 2018 12



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“ ” “52 — ”  
“ ” “67 —  
10 ”

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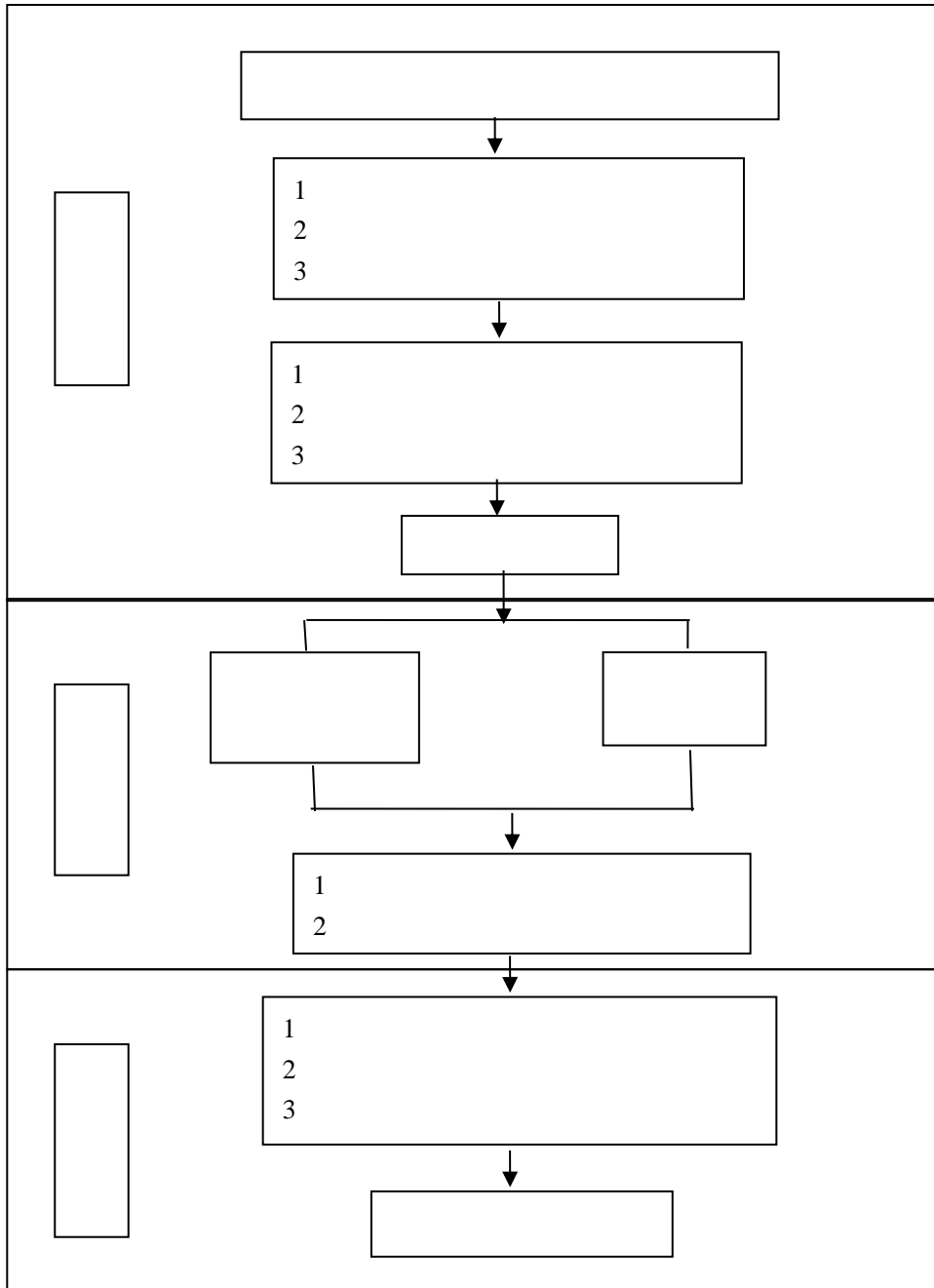
70

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1.3-1



1 C2913 C3360  
2019

2015 [2015]7

2 2021 11 11  
[2021]19

16

51972m<sup>2</sup>

130696201800004 17

18

2008 2010 3 “ . ”

2012 [2012]96

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”

2019

2019 8

[2019]4

2009-2020

20.25km<sup>2</sup>

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1.4-1

1	“ ”		
2			

2

1.4-2

1	27.98km <sup>2</sup>		
2			
3			



4	“ ” “ ”		
5	46710.77m <sup>2</sup> m <sup>3</sup> /d	5	
6	2.655 1.5 m <sup>3</sup> /d 5 m <sup>3</sup> /d 1.5 m <sup>3</sup> /d 19.8km	4.779 2.124 2	

1

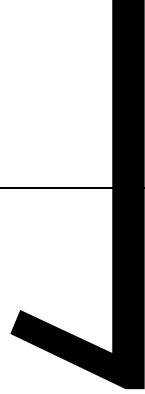
1.4-3

[2013]37	“ ”	“ ”	
2013 9			
10			

	<p>” VOCs “</p> <p>VOCs</p> <p>VOCs</p>	<p>“</p> <p>+ +25m</p> <p>”</p> <p>+ +</p> <p>+25m ”</p> <p>“</p> <p>+ +</p> <p>+25m ”</p> <p>+RTO+25m ”</p> <p>“</p> <p>+ +</p> <p>+25m ”</p>	
	<p>VOCs NOx</p> <p>VOCs</p> <p>VOCs</p> <p>LDAR</p> <p>VOCs</p>	<p>“</p> <p>+ +25m</p> <p>”</p> <p>+ +</p> <p>+25m ”</p> <p>“</p> <p>+ +</p> <p>+25m ”</p> <p>+RTO+25m ”</p> <p>“</p> <p>+ +</p> <p>+25m ”</p>	

<p>&lt;</p> <p>&gt;</p> <p>[2019]53</p>	<p>VOCs</p> <p>VOCs</p> <p>VOCs</p> <p>VOCs</p>	<p>VOCs</p>	
	<p>VOCs</p> <p>VOCs</p> <p>VOCs</p> <p>VOCs</p> <p>VOCs</p>	<p>“</p> <p>+ +25m</p> <p>”</p> <p>“</p> <p>+ +</p> <p>+25m ”</p> <p>“</p> <p>+ +</p> <p>+25m ”</p> <p>+RTO+25m ”</p> <p>“</p> <p>+ +</p> <p>+25m ”</p>	
<p>GB37822—2019</p>	<p>VOCs</p> <p>VOCs</p> <p>VOCs</p>	<p>VOCs</p>	

	VOCs VOCs VOCs VOCs	10% VOCs 10%	
2020  2020 33	VOCs	VOCs	
	VOCs VOCs	200L 16-18L	
	VOCs  7 15 VOCs	“ + +25m ” + + +25m ” “ + + +25m ” +RTO+25m ” “ + + +25m ”	



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VOCs

VOCs



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[2015]17



[2021]21

1.4-7

" " " — "

		[2021]21		
		1 2 3 4 5 6 7	VOCs 2017 2017 “ ”	VOCs 2017 "
		1 2 3 4 5 6	VOCs DB13/2322-2016 GB37822-2019 4 DB13/5161-2020 5 DB13/1640-2012 2019 56 T/CFA030802-2-2017	VOCs DB13/2322-2016 GB37822-2019
		1 2 3		



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		1		
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"

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[2019]10

2

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“ ”

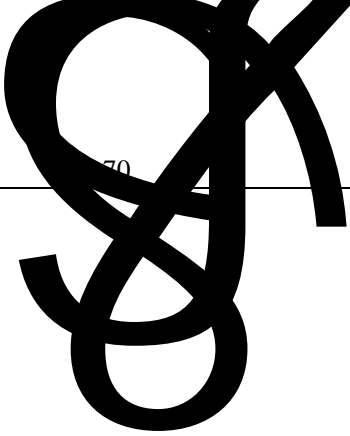
1

2

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- 1 (2015 1 1 )
- 2 (2018 12 29 )
- 3 (2018 10 26 )
- 4 (2017 6 27 p ) ,
- 5 (2018 12 29 )
- 6 (2020 4 29 )
- 7 (2012 7 1 ) b
- 8 (2018 10 26 )
- 9 (2016 7 2 )
- 10 (2018 8 31 )

2.1.2.1

1 < > ž ž a "

682 891 2017 c7 16 ž a " b b b

[2018]8 2018 1 30

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[2018]11 2018 1 25

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2018 9 2018 1 16

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[2017]84 2017 11 14

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[2017]1709 2017 11 10

12 <“ ” >

[2017]121 2017 9 13

13 2021 16

14 < 2017 >

2017

2 17

15

[2016]150 2016 10 26

16 2021 1 1

17 “ ”

[2016]95 2016 7 15

18

[2015]178 2015 12 30

19 < >

[2015]169 2015 12 18

20 34 2015 4

16 2015 6 5

21 < >

[2015]4 2015 1 8

22

[2014]197 2014 12 30

23

[2014]30 2014 4 25

24

[2014]55 2014 4 18

25 [2013]104

2013 11 15

26

[2013]104 2013 9 17

27 2013

14 2013 2 27

28 2019

29 ( [2018]22 )

30 ( 4 )

2.1.2.2

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[2017]7 2017 3 30

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2016 1 13 2016 3 1

4 <

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6 <  
2015 > [2015]7 2015 3 6  
7  
2014 11 28 2015 3 1  
8  
[2014]14 2014 2 20  
9 < >  
2013 9 6  
10  
[2012]16 2012 8 2  
11 [2012]24 2012 4  
9  
12  
[2011]114 2011 10 8  
13 [2008]10  
2008 1 18  
14 <  
> 2017 727 2017  
11 23  
15  
[2017]48 2017 11 20  
16  
[2014]283 2014 9 24  
17  
[2014]109 2014 6 13  
18 Å [2014]165  
2014 )

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<GB3095-2012 > [2012]225 2012 9  
28  
20 [2012]224 2012  
9 10  
21 “ ” ( 2017  
4 8 )  
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[2008]23 2008 3 11  
23  
[2007]163 2007 9 28  
24 [2007]65  
2007 5 29  
25 [2017]9  
2017 3 20  
26 < > [2017]127  
2017 11 30  
27  
2017 1 23 2017 5 1  
28 2017 [2017]11  
29 < >  
[2016]40 2016 12 29  
30 < >  
[2013]79 2013 9 14  
31 < >  
[2013]21 2013 9 14  
32 2020 7 1  
33 “ ”  
[2021]21

- 1 • HJ2.1-2016
- 2 • HJ2.2-2018
- 3 • HJ2.3-2018
- 4 • HJ610-2016
- 5 • HJ2.4-2009
- 6 HJ169-2018
- 7 2021 1 1
- 8 HJ/T298-2007
- 9 GB18218-2014
- 10 DB13/T1161.3-2021
- 11 HJ819-2017
- 12 HJ884-2018
- 10
- HJ1122-2020
- 11 GB50469-2016

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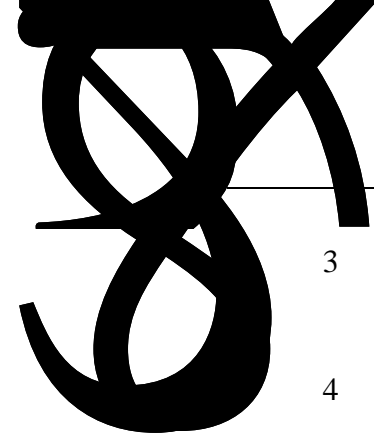
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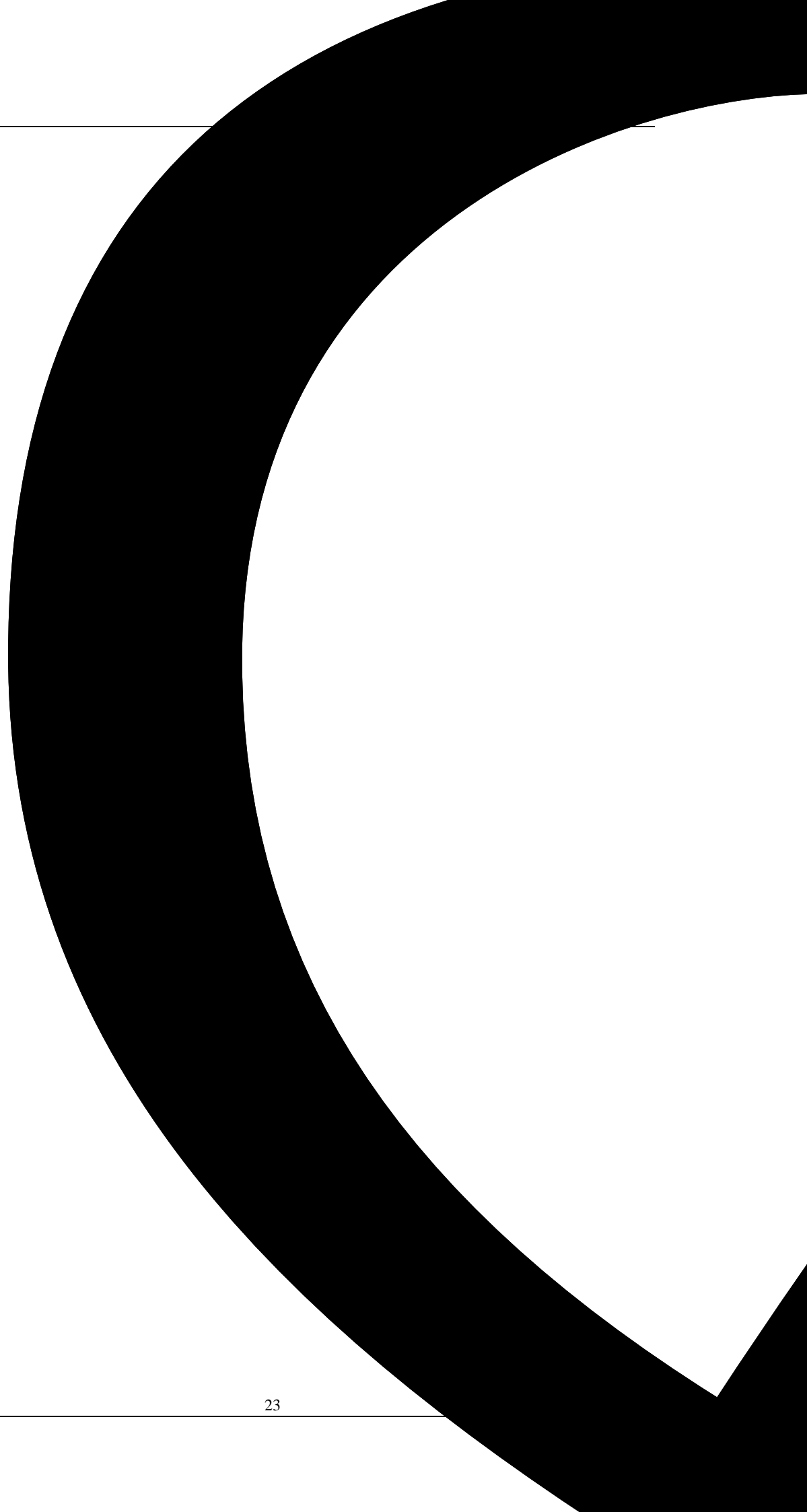


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		/	/	/	/	/
		/	/	/	-1D	/
		-1L	/	/	-1L	/
		-2L	-1L	-1L	-1L	-1L

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2-1

2.3-2

		SO <sub>2</sub> NO <sub>2</sub>	H <sub>2</sub> S
		PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> NO <sub>2</sub> O <sub>3</sub> CO	(TSP)
		PM <sub>10</sub> SO <sub>2</sub> NO <sub>2</sub>	H <sub>2</sub> S
		(TSP)	
		pH COD SS TN TP	
		pH	
		Cl <sup>-</sup> SO <sub>4</sub> <sup>2-</sup> CO <sub>3</sub> <sup>2-</sup> HCO <sub>3</sub> <sup>-</sup>	K <sup>+</sup> Na <sup>+</sup> Ca <sup>2+</sup> Mg <sup>2+</sup>
		COD	
			A
			A
			A
		pH	
		1,1- 1,2- 1,1,1,2- 1,1,2- 1,2- 1,4-	1,1- 1,2- 1,1,2,2- 1,2,3- 1,1,1-
		[b] [k]	2- [a] [a] [1,2,3-cd]
		[a h]	

		EU      TPV 16-18L      200L

1 P<sub>max</sub> D<sub>10%</sub>

HJ2.2-2018

AERSCREEN

2.4-1

		C <sub>max</sub> (μg/m <sup>3</sup> )	P <sub>max</sub> (%)	D <sub>10%</sub> (m)
1#	NM			

$P_{\max}=9.3031\%$ 

HJ 2.2-2018

2.4-2

	Pmax 10%
	1% Pmax 10%
	Pmax 1%

 $1\% < P_{\max} < 10\%$ 

3

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HJ2.2-2018

5km

25km<sup>2</sup>

HJ610-2016 1

“ ”

HJ610-2016 2

2.4-3

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1

(GB3096-2008)3

2

3dB(A)

3

(GB12348-2008)3

HJ2.4-2009

HJ169-2018 1

/ +

2.4-4

	+			

2.4-5

	CAS	t	t	Q
	1330-20-7	10	4	0.40
	7697-37-2	7.5	0.7	0.09
	7664-39-3	1	0.21	0.21
	7664-93-9	10	0.14	0.014
				0.714

Q 1

HJ169-2018

HJ964-2018

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2.6-1

m  
200 N

GB3095-20



DB13/1577-2012

2

GB3096-2008 3

3

GB/T14848-2017

4

2006 28

HJ 2025-2012

2.8-1

	SO <sub>2</sub> 24	150μg/Nm <sup>3</sup>	GB3095-2012
	SO <sub>2</sub> 1	500μg/Nm <sup>3</sup>	
	PM <sub>10</sub> 24	150μg/Nm <sup>3</sup>	
	NO <sub>x</sub> 24	100μg/Nm <sup>3</sup>	
	NO <sub>x</sub> 1	250μg/Nm <sup>3</sup>	
	NO <sub>2</sub> 24	80μg/Nm <sup>3</sup>	
	NO <sub>2</sub> 1	200μg/Nm <sup>3</sup>	
	CO <sub>2</sub> 4	4mg/Nm <sup>3</sup>	
	CO	10mg/Nm <sup>3</sup>	
	O <sub>3</sub> 8	160μg/Nm <sup>3</sup>	
	O <sub>3</sub>	200μg/Nm <sup>3</sup>	
	PM <sub>2.5</sub> 24	75μg/Nm <sup>3</sup>	
		200μg/m <sup>3</sup>	
		200μg/m <sup>3</sup>	- D
	1	2mg/m <sup>3</sup>	DB13/1577-2012
	pH	6.5 8.5	GB14848-2017
		0.5mg/L	
		20mg/L	
		0.02mg/L	
		0.002mg/L	
		0.05mg/L	
		0.05mg/L	
		0.05mg/L	
		450mg/L	
		0.05mg/L	
		1.0mg/L	
		0.01mg/L	
		0.3mg/L	
		0.1mg/L	
		1000mg/L	
		3.0mg/L	
		250mg/L	
		250mg/L	
	Leq	65dB A 55dB A	GB3096-2008 1 3

			60mg/m <sup>3</sup>	70%
			20mg/m <sup>3</sup>	
			2000m <sup>3</sup> /t	
			10mg/m <sup>3</sup>	
			0.9kg/h	
			6000	
			SO <sub>2</sub> 400 mg/m <sup>3</sup>	
			NO <sub>x</sub> 400 mg/m <sup>3</sup>	
			50mg/m <sup>3</sup>	
			30mg/m <sup>3</sup>	
			SO <sub>2</sub> 200 mg/m <sup>3</sup>	
			NO <sub>x</sub> 300 mg/m <sup>3</sup>	
			120mg/m <sup>3</sup> 25m	
			8.55kg/h	
			45mg/m <sup>3</sup> 25m	
			3.1kg/h	
		NO <sub>x</sub>	240mg/m <sup>3</sup> 25m	
			1.55kg/h	
			1.0mg/m <sup>3</sup>	
			1.2mg/m <sup>3</sup>	
		NO <sub>x</sub>	0.12mg/m <sup>3</sup>	
			2.0mg/m <sup>3</sup>	
			0.8mg/m <sup>3</sup>	
			0.5mg/m <sup>3</sup>	
			0.06mg/m <sup>3</sup>	
			20	
			4.0mg/m <sup>3</sup>	
			1.0mg/m <sup>3</sup>	
			1.2mg/m <sup>3</sup>	
			1h	
			6.0mg/m <sup>3</sup>	
			20mg/m <sup>3</sup>	

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Leq

65dB A  
55dB A



6e

34

## 3.1-1

					2014 2 7 2014 27	2018 5 21
1	60		60		2017 10 31	
2		1.33	4.5 BB305 90E BB305		2018 6 5 [2018]6	2020 1 9 [2020]2
3	60				2019 10 25 201913062500000264	/
4	60				2020 2 24 202013062500000013	/
5	60		60 120		2021 4 28 [2021]3	2022 1 27
6	15		15 60 75		2021 11 30 [2021]19	

1

( )299

115°28'33.96"

39°02'12.84"

2

46484m<sup>2</sup>

3

F1 F2

F1

F1

F2

F2

F2

F2 F1

3.1-2

		F1	224 72
		F2	224 96
			13738.87 6270.77 7468.1
		F1	F2
			F1 F2
			15m
			15m



4

## 3.1-3

60	60	
	4.5	1.33 t/a
60	60	120 0.67 t/a
15	15	75

5

## 3.1-4

1	120	A	t/a	5420
2		t/a	13.8	
3		t/a	3	
4		t/a	1127	
5		t/a	15.6	
6		t/a	71.17	
7		t/a	22.44	
8		t/a	3	
9		t/a	3	
10		t/a	40	
11		t/a	13.5	
12		t/a	6	
13		t/a	3	
14		t/a	0.4	
15		t/a	3567.67	
16		t/a	3247.16	
17		t/a	1083.08	
18		t/a	347.88	
19		t/a	263.87	
20		t/a	15430	
21		t/a	19482.9	
22		t/a	6498.5	
23		t/a	2087.3	



24			t/a	1576
25			t/a	7.2
26			t/a	3.6

6

## 3.1-5

		/		
F1				
1		5	326E	
2	5020	3	LHX-10-2	
3		2	15HP	
4		1	/	
5		11	/	
6			/	
7		2	/	
8		2	PS-800	
9		172	HYZ-300A	
10		17	HYZ-150P	
11		2	/	
12		1	/	
13		4	XRC-2	
14		13	/	
15		2	/	
16		6	IASP-100	6
17		3	/	3
18		2	/	2
19		3	X1060/Y600/Z650	3
20		1	X500/Y400/Z150	1
21		1	/	1
22		1	CJK6140	1
23		1	X550/Y500/Z400	1
24		2	X600/Y500/Z400	2
25		1	X1000/Y600/Z400	1
26		1	X600/Y400/Z300	1
27		1	X600/Y500/Z400	1
28		1	X600/Y550/Z300	1
29		1	/	1
30		1	2T	1
31		1	Z3050*16	1
32		2	/	2
33		2	YC32-63	2
34		1	AJL.ZG50	
35		1	/	
36		1	/	

/

37	2	YC32-63
38	2	/
39	1	/
40	1	/
41	1	/
42	1	ALJ.SJ50
43	1	

		/			
80	KZ16	1	/		
81		1	/		
82		1	/		
83		1	RTS3000		
84		1	/		
85		1	LASTD-DGG1701		
86		1	XTM-107S-30T		
87	300	1	URP300Y20		
88		1	RS020N		
		330			
1	90	1	/		
2	90	8	/		
3	60	8	/		
4	70	6	/		
5		17	/		
6		29	/		
7		19	/		
8		11	/		
9		16	/		
10		7	/		
11		12	/		
12		17	/		
13		10	/		
14		3	/		
15		5	/		
16		6	/		
17		6	/		
18		4	/		
19		4	/		
20		6	/		
21		4	/		
22		6	/		
23	30	2	/		
24		2	/		
25	—DB75E	3	/		
26	SJ-75*30	2	/		
27	SJ-45*28	2	/		
28		8	/		
29		1	/		
30		1	/		
31		108	/		

		/			
32		54	/		
33		24	/		
34		2	/		
35		1	/		
36		2	/		
37		2	/		
38	75	8	/		
39	40	1	/		
40	30TPV	2	/		
41	60	3	/		
42		3	/		
43		2	/		
44		2	/		
45		1	/		
46		2	—		
47		1	—		
48	MES	1	—		
49	BB305	1	BB305		
50	28	2	28		
51		1	—		
52	24	1	24		
53		1	300TRF		
54		1	—		
55		2	—		
56		1	—		
57	MES	1	—		
58	BB305	1	BB305		
59	28	2	28		
60		1	—		
61	24	1	24		
62	75L	1			
63	22	1			
64	18	1			
65		1			
66		1			
67		1			
68		1			
69		1			
70		1			
71		1			
72		1			
73		1			
74		1			
75		1			

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76		1	
77		1	
78		2	
79		3	
80		1	
81		2	
82		2	
83		1	
84		1	
85		1	
86		1	
87		1	
88		2	
89		2	
90		1	
91		2	
92		1	
93		2	
94		2	
95		2	
96	22	2	
97		2	
98	18	2	18
99		1	
100		1	
101		1	

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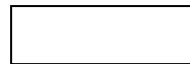
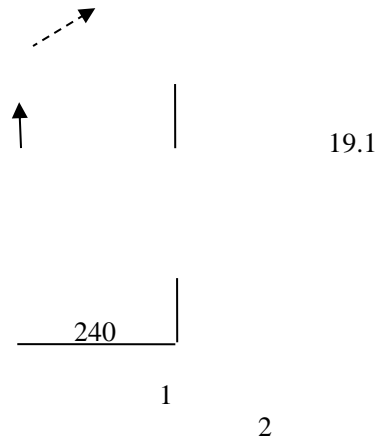
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3

3.1-6

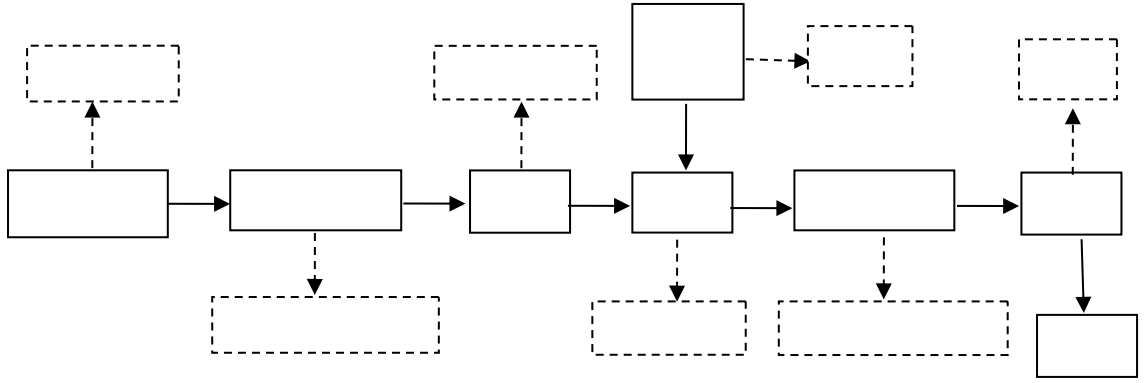
3.1-1

		m <sup>3</sup> /d	m <sup>3</sup> /d	m <sup>3</sup> /d	m <sup>3</sup> /d	
		1216.5	16.5	1200	4.4	12.1
		345	5	340	2	3
		244	4	240	2	2
		3	3	0	1	2
		0.83	0.83	0	0.55	0.28
		2005.4	5.4	2000	3.2	2.2
		3814.73	34.73	3780	13.15	21.58
		145	145	0	29	116
		9.1	0	9.1	9.1	0
		3968.83	179.73	3789.1	51.25	137.58





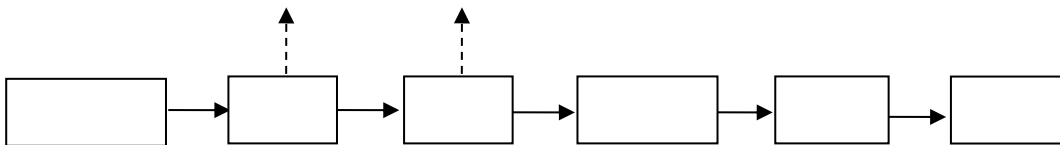




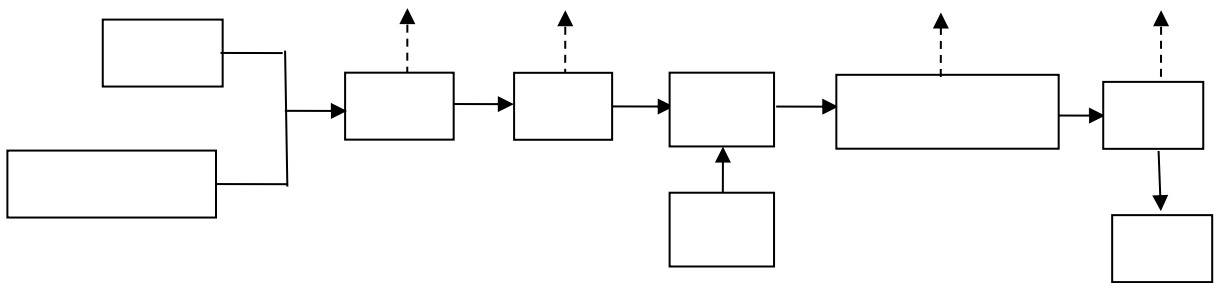
2

F2

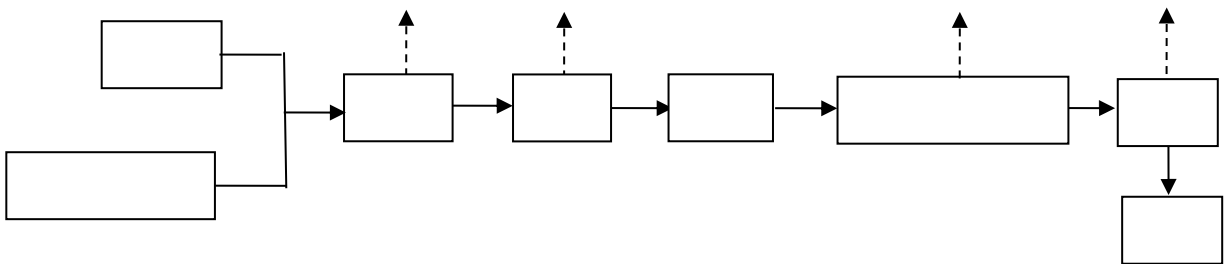
3.1-3



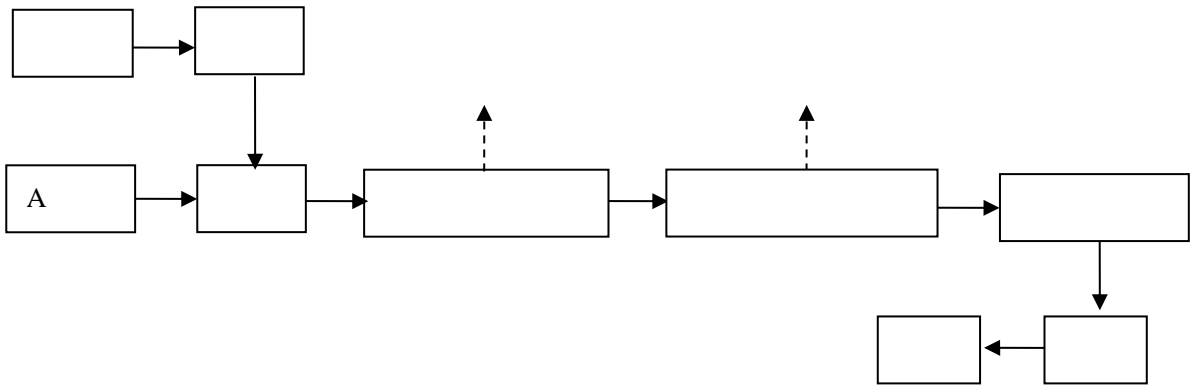
3.1-4



3.1-5



F2  
F2  
1  
2 A  
( 160 )  
B A ( A )  
( 110 ) A  
B A  
B F1 F2  
3.1-6



2

9



/

70±5 8

A

60

/

F1

15m

---

1.2mg/m <sup>3</sup>		0.0381kg/h			GB16297
1996	2			2.14mg/m <sup>3</sup>	
		0.0596mg/m <sup>3</sup>			
DB13/2322-2016	1				
	F2				
				+	+15m
					YRJC/211157
		2.53mg/m <sup>3</sup>			
DB13/2322-2016	1				
0.05mg/m <sup>3</sup>		0.00069kg/h	549		
		GB27632-2011	5		
	15m		200m		3m
	50%				GB14554-93
2			15m		200m
			50%		3m
					+
	+15m				
YRJC/211157					2.31mg/m <sup>3</sup>
		0.05mg/m <sup>3</sup>	0.00079kg/h	549	
			GB27632-2011	5	
			15m		200m
					3m
			50%		
GB14554-93	2			15m	200m
	3m			50%	
				+	15m

---

2

YRJC/211157

2.3mg/m<sup>3</sup>

GB16297-1996

2

15m

200m

3m

50%

2.86mg/m<sup>3</sup>

DB13/2322-2016

1

15m

200m

3m

50%

2.4mg/m<sup>3</sup>

GB16297-1996

> 2

15m

200m

3m

50%

3.04mg/m<sup>3</sup>

DB13/2322-2016

1

7 ö

15m

200m

3m

50%

9 2

d 3 9 ..

+ 300m 300m 300m

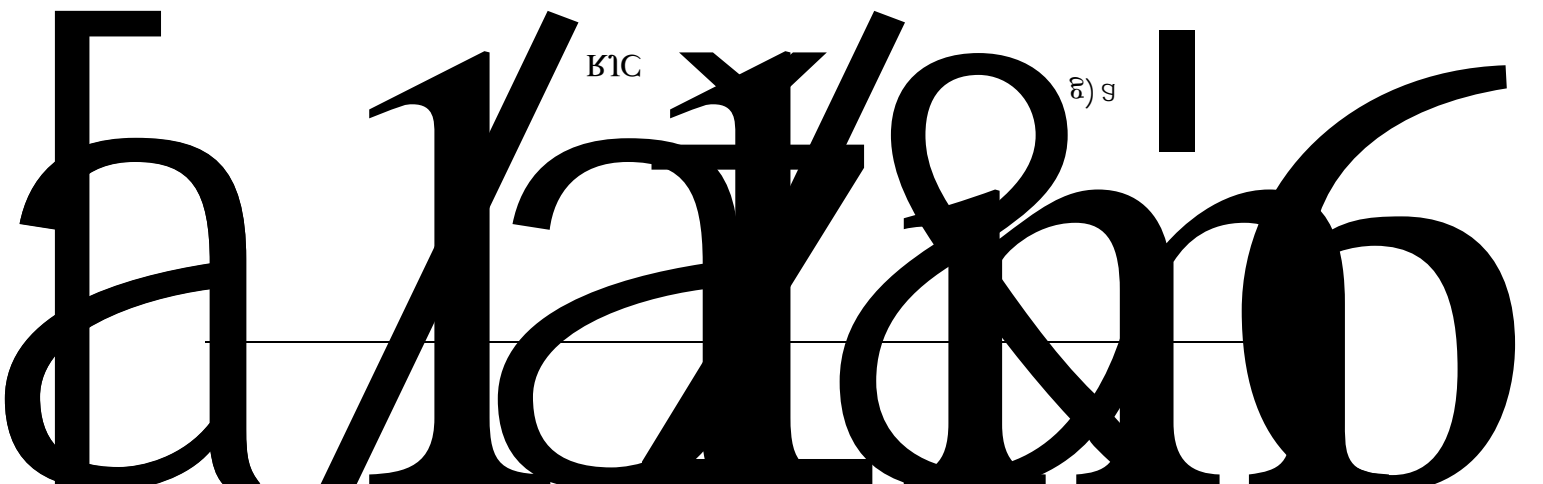
YRJC/211157

2.7mg/m<sup>3</sup>

I

B1C

8) 9





		2			
YRJC/211157				SO <sub>2</sub>	NO <sub>x</sub>
2.4mg/m <sup>3</sup>	12.9mg/m <sup>3</sup>	5mg/m <sup>3</sup>	27mg/m <sup>3</sup>	10mg/m <sup>3</sup>	56mg/m <sup>3</sup>
				[2019]607	
15m	200m		3m		
50%			SO <sub>2</sub>	NO <sub>x</sub>	2.5mg/m <sup>3</sup>
12.8mg/m <sup>3</sup>	5mg/m <sup>3</sup>	27mg/m <sup>3</sup>	16mg/m <sup>3</sup>	82mg/m <sup>3</sup>	
				[2019]607	
				15m	
200m		3m		50%	
YRJC/211157					
		0.32mg/m <sup>3</sup>		ND(	
)	ND( )				
(DB13/2322-2016)		2			
0.517mg/m <sup>3</sup>				(GB16297-1996) 2	
				0.003mg/m <sup>3</sup>	
10				GB14554-1993 1	
		0.66mg/m <sup>3</sup>			
DB13/2322-2016		3			
4.0mg/m <sup>3</sup>					
3					
2019 11					
2022		60			

20m<sup>3</sup> 6 6

2 29 12 2

29 2

29

EPA + +

1 29

5.99mg/m<sup>3</sup> 3.99mg/m<sup>3</sup> 2.8mg/m<sup>3</sup> 8.54mg/m<sup>3</sup>

GB27632-2011 5

12mg/m<sup>3</sup> 10mg/m<sup>3</sup>

309 GB14554-1993

2 6000

+ +

1 26

2022 1 7 -1 8

1.5mg/m<sup>3</sup> 5.436mg/m<sup>3</sup>

2.19mg/m<sup>3</sup> 8.373mg/m<sup>3</sup>

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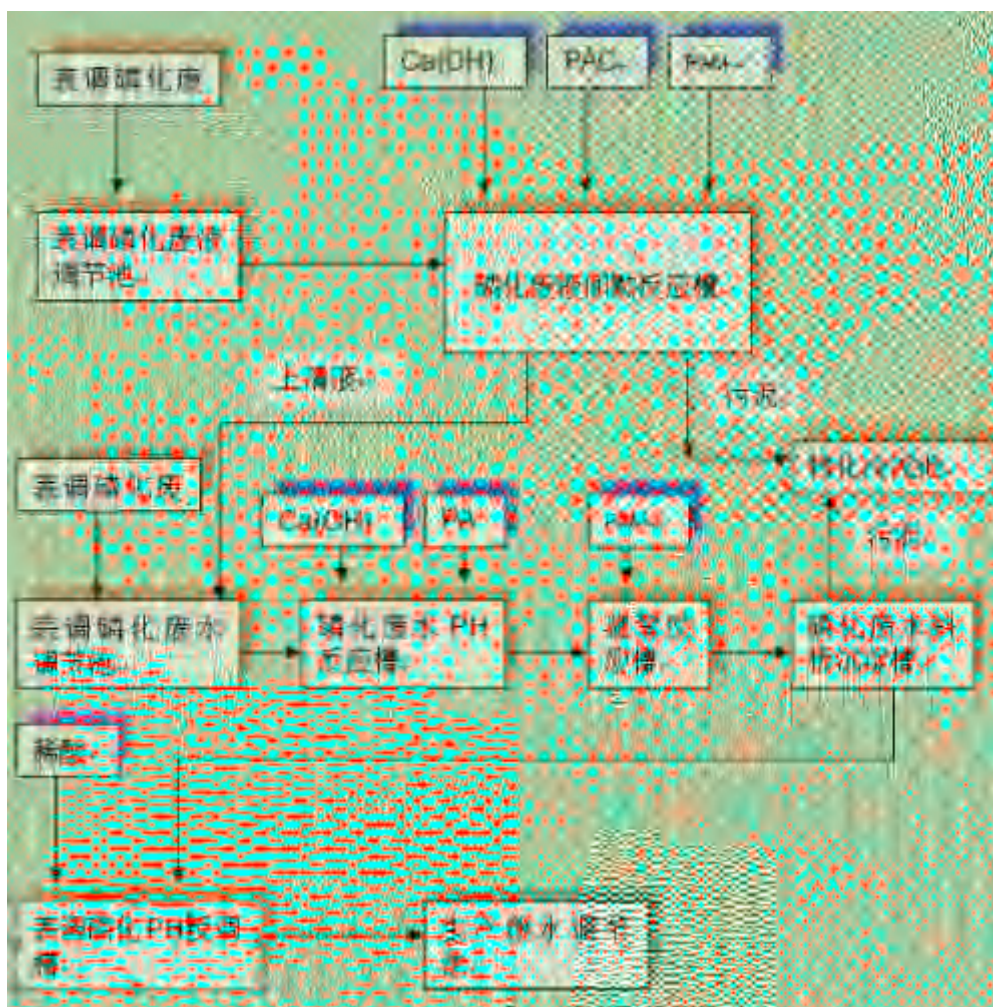
	GB27632-2011	5		
	$4.52 \times 10^{-3}\text{kg/h}$		724	
GB14554-1993		2		
				BB305
			+	+
		26		
				$2.75\text{mg/m}^3$
$7.56\text{mg/m}^3$				GB27632-2011
5			$10\text{mg/m}^3$	
309			$7.9 \times 10^{-4}\text{kg/h}$	
	GB14554-1993	2		6000
$0.90\text{kg/h}$				
			2022 1 7 -1 8	
			$0.421\text{mg/m}^3$	
	(GB16297-1996)	2		
16			$0.016\text{mg/m}^3$	
	GB14554-1993			$1.18\text{mg/m}^3$
				GB27632-2011
6				(DB13/2322-2016)
2				

---

18m<sup>3</sup>/h

GB8978-1996 1

3.1-9



			pH
7.4-7.6	8mg/L		36mg/L
	10.2mg/L	2.84mg/L	
0.55mg/L	4.81mg/L		0.56mg/L
	(GB8978-1996)	4	

GB27632-2011 2

55.3dB(A)~58.2dB(A)

45.9dB(A)~48.2dB(A)

(GB 12348-2008) 1 3

2.5t/a

7.5t/a

4.3t/a

67.8t/a

200L

16-18L

1 F2

F2

24705m<sup>2</sup>

3

2274.0387m<sup>2</sup>

3

15

2

3.17

F2

3

15

60

75

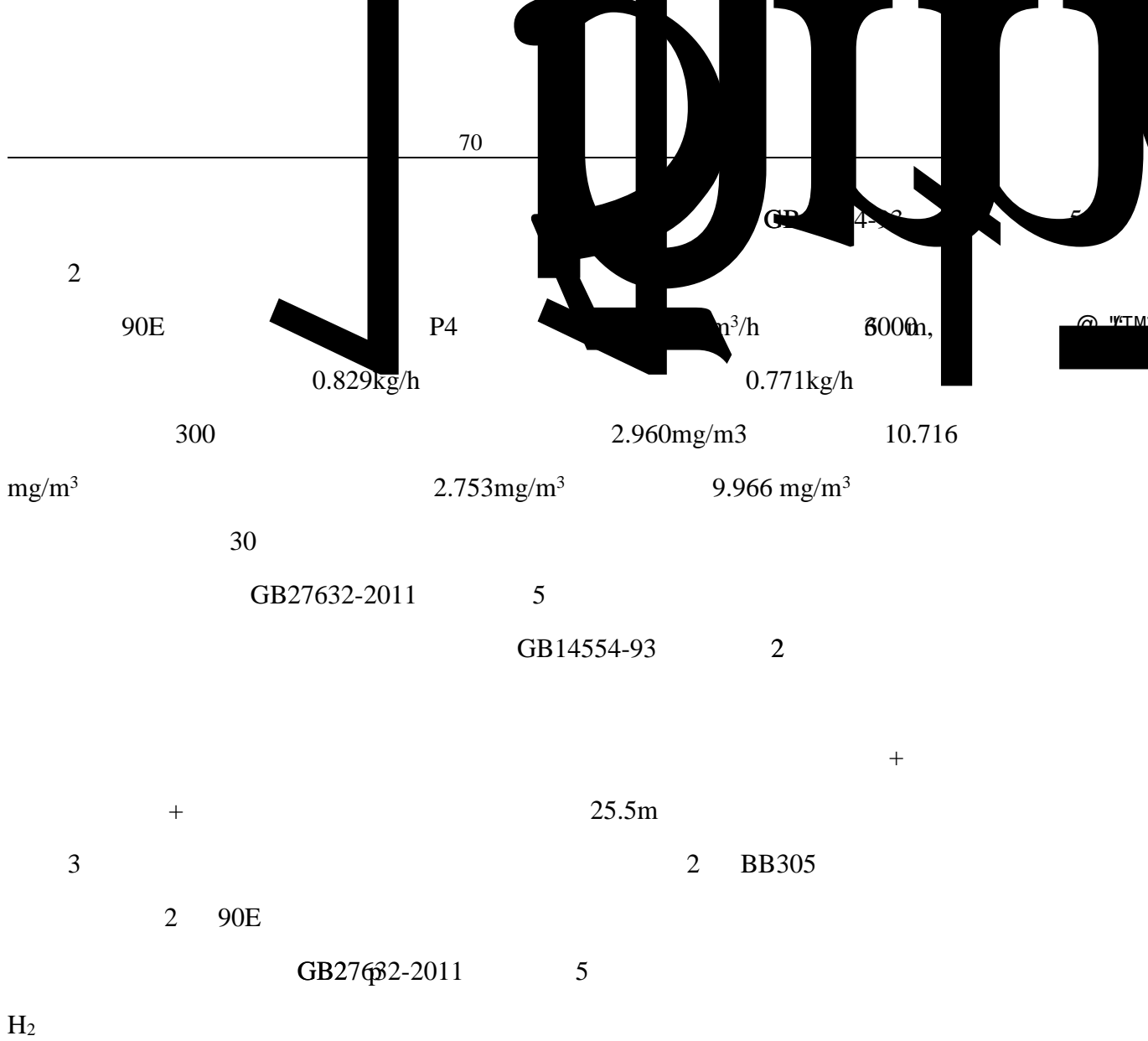
3.17

1

1

F2

GB27632-2011 5  
GB14554-93  
2  
GB27632-2011 6  
GB14554-1993 1  
(GB16297-1996) 2  
DB13/2322-2016 1  
GB16297-1996 2  
DB13/2322-2016  
2  
2  
20m<sup>3</sup> 6 6 5m<sup>3</sup> 16 8  
25 B  
2 BB305 BB305 P1  
2 90E 1 EPA P4  
2 BB305 20000m<sup>3</sup>/h  
6000 2.386kg/h 2.219kg/h  
320 5.965mg/m<sup>3</sup>  
3 10.716 mg/m<sup>3</sup> 5.548mg/m<sup>3</sup>  
9.966 mg/m<sup>3</sup> 32  
GB27632-2011 5



GB12348-2008 3

4

16-18L

2020

GB18599-2020

UV

2020

GB18597-2001 2013

780m

70

50

20

3.2-1

1		70
2		
3		
4		



		115°29'6.4"	39°02'45.9"
5		50	20
6		5.1972	70
7		2022 6 ~2023 5	12
8		25800	
9			300
			559

51971.50m<sup>2</sup>( 78 )                      34600m<sup>2</sup>                      F1  
 11263m<sup>2</sup> F2                      20068m<sup>2</sup>

3.2-2

		11263m <sup>2</sup>	10929m <sup>2</sup>
		20068m <sup>2</sup>	18062m <sup>2</sup>
			1
		2500KVA    1000 KVA    2000 KVA	10KV 2 1
		1634.304    kW·h	8808KW

1#

70

		UV
--	--	----

11263m<sup>2</sup>

10929m<sup>2</sup>

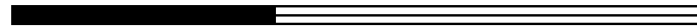
20068m<sup>2</sup>

18062m<sup>2</sup>

1

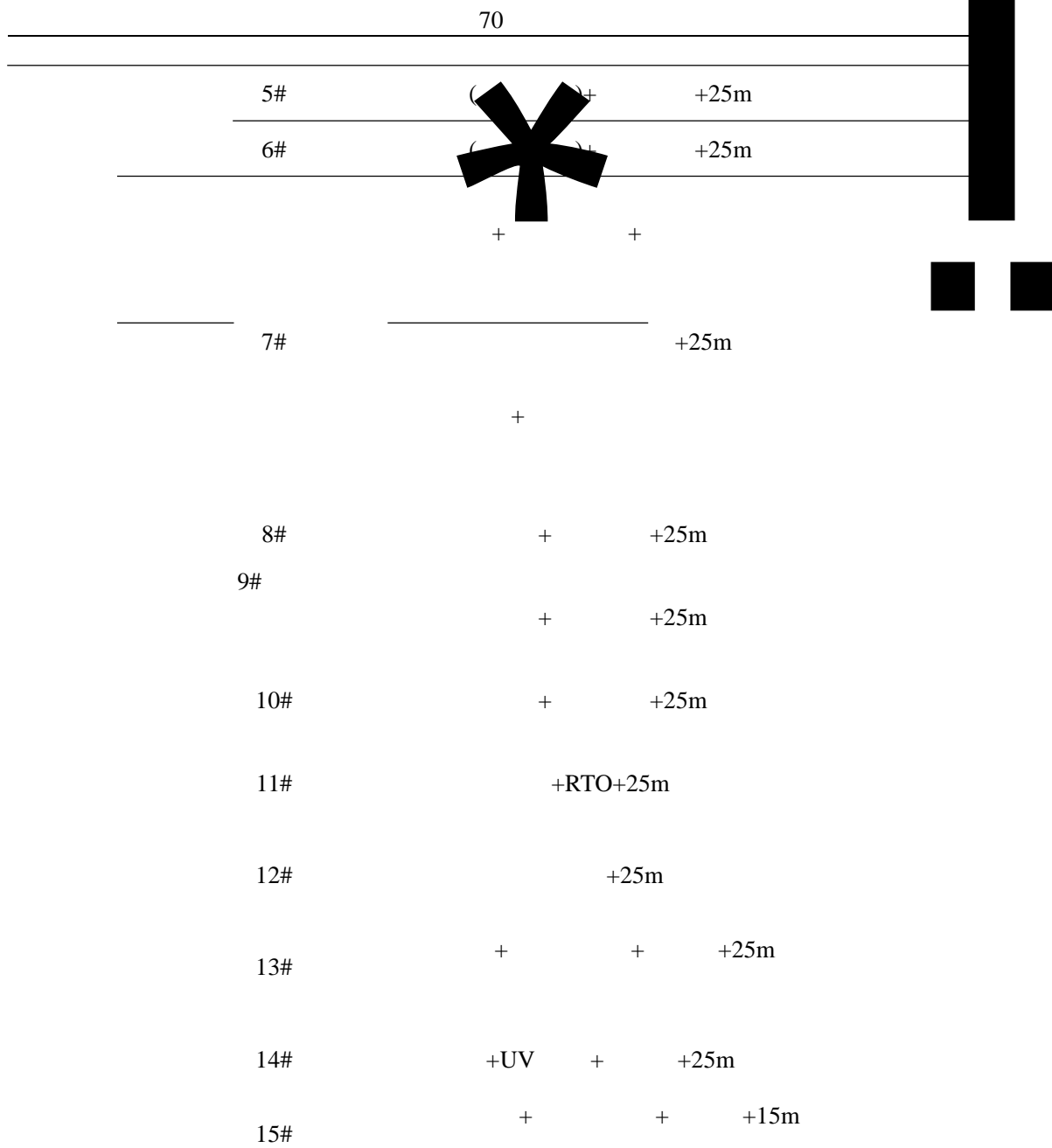
10KV

{ ၉+၉ }:



1922

5



/

EU TPV

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		UV	
--	--	----	--

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1	326E	8	3	5	3	3
2	LHX-10-2	3	1	3	1	
3		4		2	2	
4	XRC-2	4			4	
5	/					
6	/	17		11	6	
7	PS-800	2	1		2	1
8		1				
9	/	2			2	
10		1			1	
11		3		1	2	
12	—	1			1	
13	AJL.ZG50	1			1	
14	/	2			2	
15		1			1	
16	—	1				
17	XZL-2000*2500	9				
18	HYZ-300A	15				
19	YL-V250L	34				
20	HYL-200V	10	10		10	10
21	YM-RI1000	11				
22	—	45	46		45	46
23		3				
24	—		11			11
25	—		8			8
26	H					

---

---

27			1
28			1
29		--	1
30			1
31			8
32			1
33	RTO	--	1
34	CHB027	—	1
35		—	2
36		—	1
37	TPV	SZL-400	1
3-0			

---

**SZL-42**

53		—			1			
54		—			1			
55		—			2			
56		—			2			
57		—			2			
58	TPV	—			2			
59		—			1			
60		—			1			
61		—			1			
62	50TEPDM	—			4			
63		—			1			
64		—			1			
65		—			1			
66	150TEPDM	—			1			
67	50TEPDM	—			2			
68		—			1			
69	50TEPDM	—			1			
70		—			4			
71		—			2			
72		—			2			
73		—			1			
74	C	30T	—		3			
75		—			1			
76		—			1			
77		—			1			
78		—			1			
79		—			1			
80	150TEPDM	—			3			
81		—			2			



70

50

20

3.2-5

		/				
16		CHK041	0.9	0.7	0.2	
17		P3011	10	7	3	
18		PW01	18	12.5	5.5	
19		K7	12	8	4	
20		P01	22.9	16.6	6.3	
21		B01	6	5	1	
22		B04	0.2	0.2	0	
23			70	50	20	
24			H9	2	2	0
25			CHB121	12	8	4
26			B02	10	7	3
27			A07	5	4.5	0.5
28			CHB037	1.5	1.1	0.4
29			B06	10	7	3
30			B01	14	9.6	4.4
31				1.6	1	0.6
32				1.6	1	0.6
33			V71	5	3.5	1.5
34			V61	7.3	5.3	2
35			70	50	20	
36			A02	6	6	0
37			B01	15	15	0
38			V61	1	1	0
39			V71	0.5	0.5	0
40			V51	1	1	0
41			P03	6	6	0
42			M6	14.5	14.5	0
43			C01	3.5	3.5	0
44			B16	1.5	1.5	0
45			B02	10	10	0

---

		/			
46		Ep30	11	11	0
47		70		70	0

3.2-6

			t	t/a	t/a	t				
1			9465	6625.5	2839.5	200			/	
2			141	141	0	10				
3			147	147	0	7.3				
4			125	125	0	8.4				
5			3	3	0	0.3				
6			9	9	0	0.9				
7			50	50	0	8.7				
8			12	12	0	1.8				
9			95	95	0	10.5	/		/	
10			6	6	0	1.2				
11			11.9	11.9	0	1.2				
12		( )	500	500	0	10				

0.8669      -96      110.6      92.13  
1.03-140 $\mu\text{g}/\text{m}^3$

ACGIH      375 $\text{mg}/\text{m}^3$   
0.864      -47.4      139.3  
0.880      -25      144      0.861      13-14  
137-138  
106.2

ACGIH      435 $\text{mg}/\text{m}^3$

1

9803.27m<sup>3</sup>/d 2940981m<sup>3</sup>a

376.02m<sup>3</sup>/d 112806m<sup>3</sup>a

9187.25m<sup>3</sup>/d 2756175m<sup>3</sup>/d

2

344.38m<sup>3</sup>/d

103314m<sup>3</sup>/a

270.09m<sup>3</sup>/d

10m<sup>3</sup>/d

1m<sup>3</sup>/d

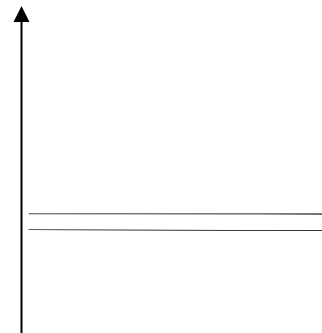
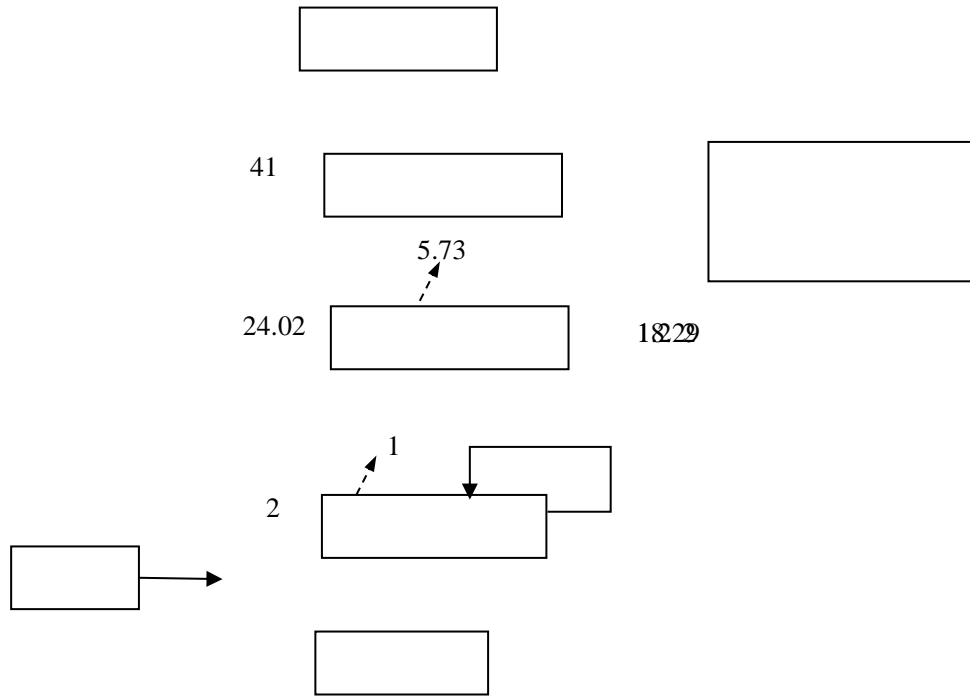
18.29m<sup>3</sup>/d

45m<sup>3</sup>/d

3.2-7

3.2-1

		m <sup>3</sup> /d	m <sup>3</sup> /d	m <sup>3</sup> /d	m <sup>3</sup> /d	m <sup>3</sup> /d	m <sup>3</sup> /d
		240		240	0	240	
		98.02	24.02	0	74	5.73	18.29
		353	240+ 41	0	72	10.91	270.09
		52	12		40	2	10
		3.25	2	0	1.25	1	1
		4003	3	0	4000	3	0
		5004	4	0	5000	4	0
		50	50	0	0	5	45
		9803.27	376.02	240	9187.25	271.64	344.38

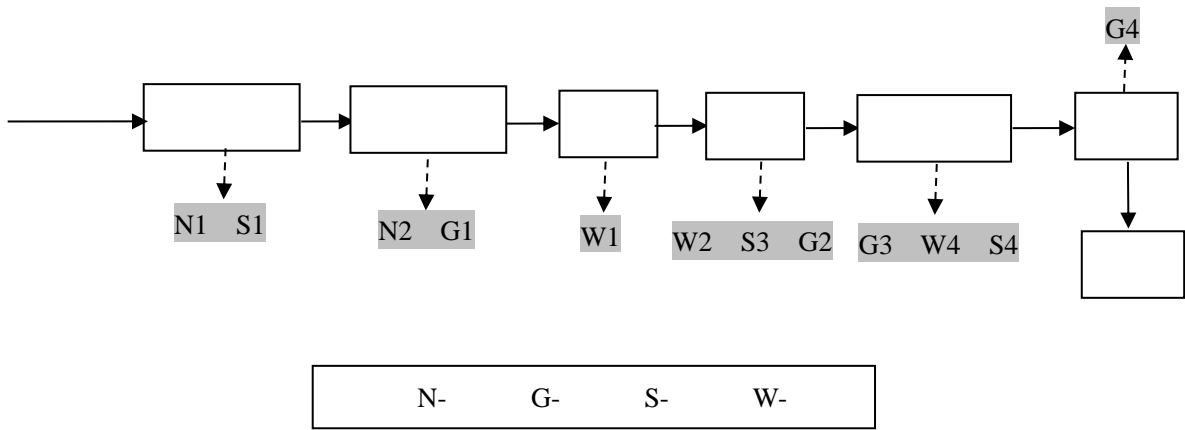


10KV

2	2500KVA	1000 KVA	2000 KVA	1
	8808KW		1634.304	kW·h

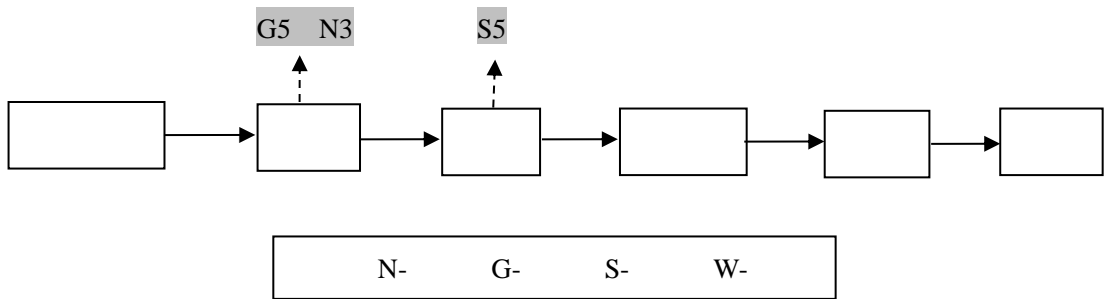
1

3.2-2



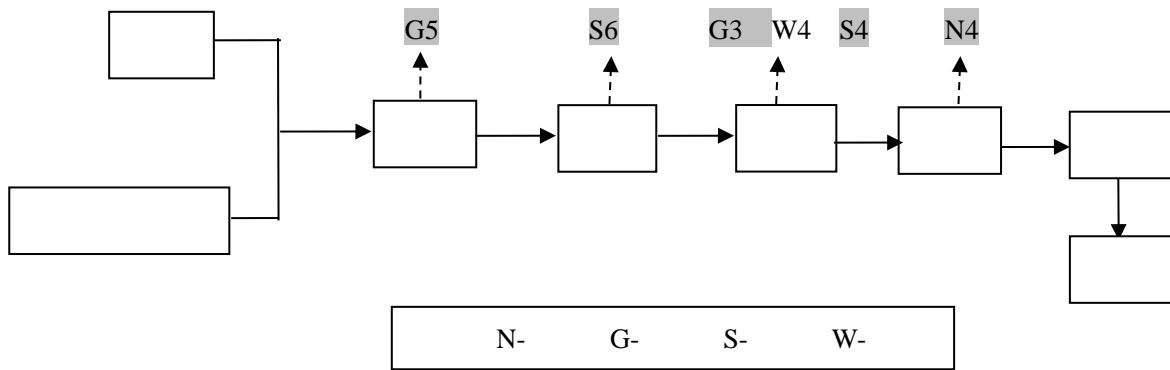
2

3.2-3





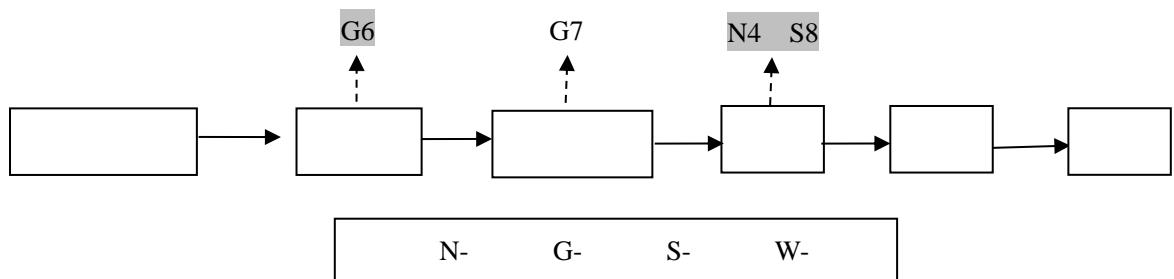
3.2-4



3

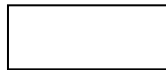
/

3.2-6



5

3.2-7



3

3 4 5

(

110 )

4

3 2

+

15min

30min

15min

+

15min

+

15min

30min

15min

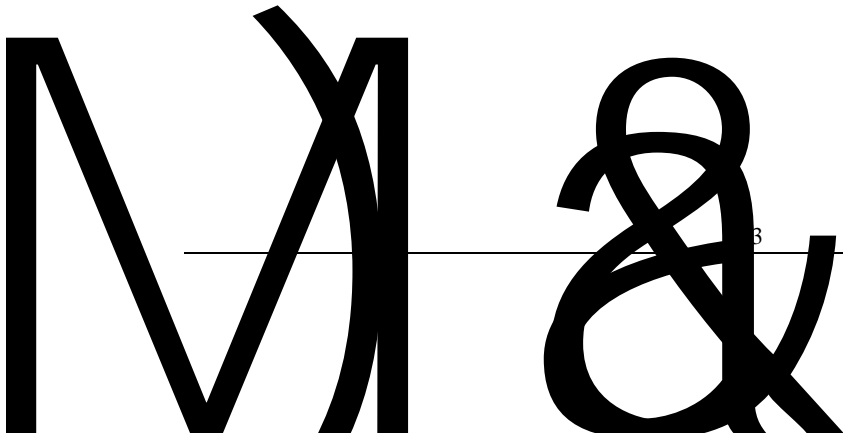
5

3.2-8

	G1					+25m
	G2					
	G3					( )+ +25m
	G4					+ +25m
	G5					+ + +1 25m
	G6					+ + +1 25m
	G7					+ + +1 25m

G8					RTO +RTO +25m
G9					+ + +25m
G10			SO <sub>2</sub>	NO <sub>x</sub>	+ +25m
W1		COD TP	SS	TN LAS	
W2		COD	SS	Zn S	
W3		SS	COD		
W4		COD	SS	TN	
W5		TP		LAS	
W6					
W7					
W8		SS	COD		
W10		BOD <sub>5</sub>	NH <sub>3</sub> -N	TN	
W9					
W11					
W12		COD	BOD <sub>5</sub>		

ç ғ ð



S8

S9



$$Gz = M \cdot 0.000352 + 0.000786V \cdot PF$$

Gz                      kg/h

M

V                                      0.2-0.5m/s                      0.3 m/s

F                                      m<sup>2</sup>

P    ρ<sub>g</sub>                                      mmHg

3.2-9

		m <sup>2</sup>				%	(mmHg)	(kg/h)
	1	4m*1.2m				30-50	17.5/29	1.210
				NO <sub>x</sub>		60-70	4.1/3.0	0.182

PERRY

Perry R.H

3 “

” 3-98

3-12



PERRY

Perry,R.H

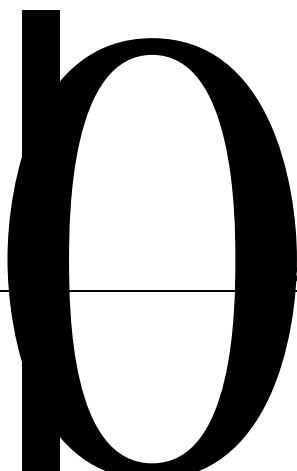
3 “

” 3-100

3-16

NO<sub>x</sub>

&



3

+



GB27632-2011 " Platen Press-30800143

Cmpd#22 "

AP-42

3.2-10

GB27632-2011 5	2000m <sup>3</sup> /t	/	/	/
PlatenPress-30800143 Cmpd#22	/	/	8.23× 10 <sup>-7</sup> t/t	/
	/	/	/	4600
	/	9.51×10 <sup>-5</sup> t/t	/	/

9454t/a

6622.75t/a

2831.25t/a

1 " + + " 25m  
1068.2 m<sup>3</sup>/a 0.51t/a  
0.0044t/a 4600  
90% 80%  
0.092t/a 8.61mg/m<sup>3</sup>  
GB27632-2011 5  
0.051t/a 80%  
0.0008t/a 0.075mg/m<sup>3</sup> GB14554-93  
2 0.00044t/a  
4600 90%  
460 GB14554-93  
2

---

				1	"
+UV	+	"	25m		256.35
m <sup>3</sup> /a			0.122t/a	0.0011t/a	
4600				90%	
		80%		0.022t/a	
8.58mg/m <sup>3</sup>				GB27632-2011	

50t/a  
 37.5t/a  
 12.5t/a  
 20%  
 80%  
 7.5t/a  
 10t/a  
 12%  
 4.5t/a  
 6t/a  
 “ + +  
 ” 90% 90%  
 80% 40000m<sup>3</sup>/h 25m  
 0.094kg/h 0.675t/a  
 2.35mg/m<sup>3</sup> (GB16297-1996) 2  
 2m 0.113kg/h  
 0.810t/a 5.14mg/m<sup>3</sup>  
 DB13/2322-2016 1 25m  
 0.125kg/h 0.9t/a  
 5.68mg/m<sup>3</sup> (GB16297-1996) 2  
 25m 0.15kg/h 1.08t/a  
 6.82mg/m<sup>3</sup> DB13/2322-2016  
 1 25m  
 6

3.2-11

t/a

%

t/a

1	7-12%	25-30%	45-55%	86	32	68	/	/	27.52	58.48	/	
		2-5%										
		2-5%	2-5%									
2	3-10%		2-10%	64.5	60	20	10	10	38.7	12.9	6.45	6.45
		3-10%										
		2.5-10%										
5	1-10%		20%-30%	64.5	30	30	10	30	19.35	19.35	6.45	19.35
		1-10%										
		1-10%	1-10%									
5 9	5	5%-10%	100#	90	0	90	10		0	81		
	40-50%		45%-55%									

0.114kg/h 0.821t/a  
 5.18mg/m<sup>3</sup> (GB16297-1996) 2  
 25m 1.222kg/h 8.798t/a  
 55.54mg/m<sup>3</sup> 0.151kg/h 1.084t/a  
 6.86mg/m<sup>3</sup> 0.177kg/h 1.277t/a 8.05mg/m<sup>3</sup>  
 14.91mg/m<sup>3</sup>  
 DB13/2322-2016 1 25m  
 7  
 28 m<sup>3</sup>/a  
 2021 24 “4430 ( )  
 ) - ” 107753m<sup>3</sup>/( m<sup>3</sup>- )  
 ) SO<sub>2</sub> 0.02Skg/( m<sup>3</sup>- ) S 200 NO<sub>x</sub>  
 15.87kg/( m<sup>3</sup>- )  
 1000m<sup>3</sup> 0.14kg  
 301.708 m<sup>3</sup> SO<sub>2</sub> NO<sub>x</sub> 0.112 t/a  
 0.444t/a 0.040t/a SO<sub>2</sub> NO<sub>x</sub> 37.122mg/m<sup>3</sup>  
 147.281mg/m<sup>3</sup> 12.993mg/m<sup>3</sup> SO<sub>2</sub> NO<sub>x</sub>  
 DB13/1640-2012 1 2  
 2019 56  
 8  
 85.82 m<sup>3</sup>/a  
 2021 24  
 “4430 ( ) - ”  
 107753m<sup>3</sup>/( m<sup>3</sup>- ) SO<sub>2</sub> 0.02Skg/( m<sup>3</sup>- ) S  
 200 NO<sub>x</sub> 15.87kg/( m<sup>3</sup>- )

1000m<sup>3</sup>

0.14kg

			12%		
0.042t/a					
	0.59t/a		0.15t/a		0.44t/a
0.07t/a	0.03t/a		0.088t/a		
			12%		
	0.071t/a		0.018t/a		0.053t/a
			24		1281.75
+UV	+	”	25m		“
		256.90	m <sup>3</sup> /a		0.140t/a
	0.0011t/a		4600		0.03t/a
			90%		
80%			0.025t/a		9.73mg/m <sup>3</sup>
			GB27632-2011	5	
			0.014t/a		
	80%		0.0002t/a		0.078mg/m <sup>3</sup>
			GB14554-93	2	
		0.00011t/a			4600
			90%		
460			GB14554-93	2	
			90%		0.0004kg/h
					0.003t/a
	1.17mg/m <sup>3</sup>				(GB16297-1996)
2			25m		
		1	”	+UV	+
				”	
					25m
				823.15	m <sup>3</sup> /a
	0.409t/a		0.0034t/a		4600
			90%		

80%

0.074t/a

8.99mg/m<sup>3</sup>

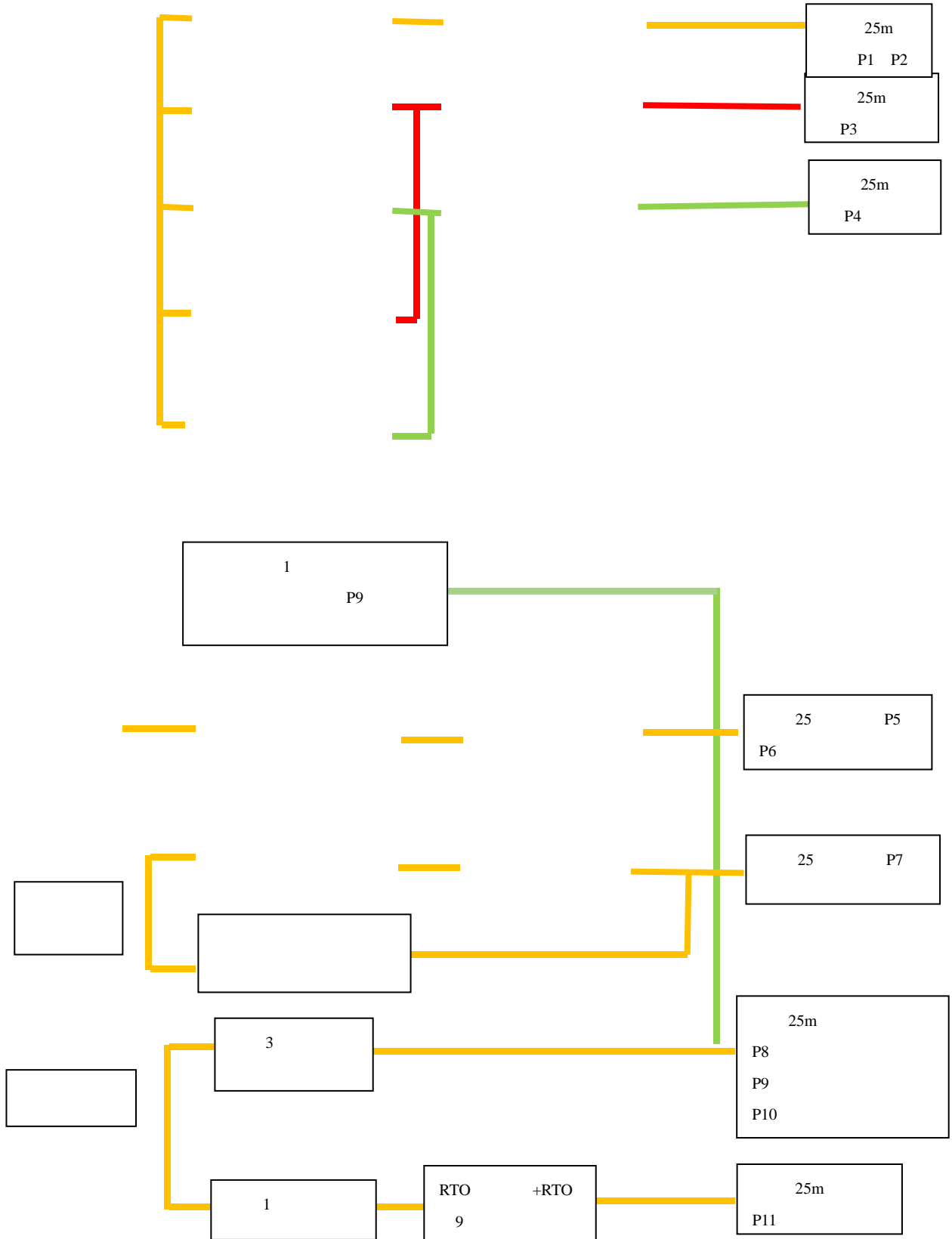
GB27632-2011

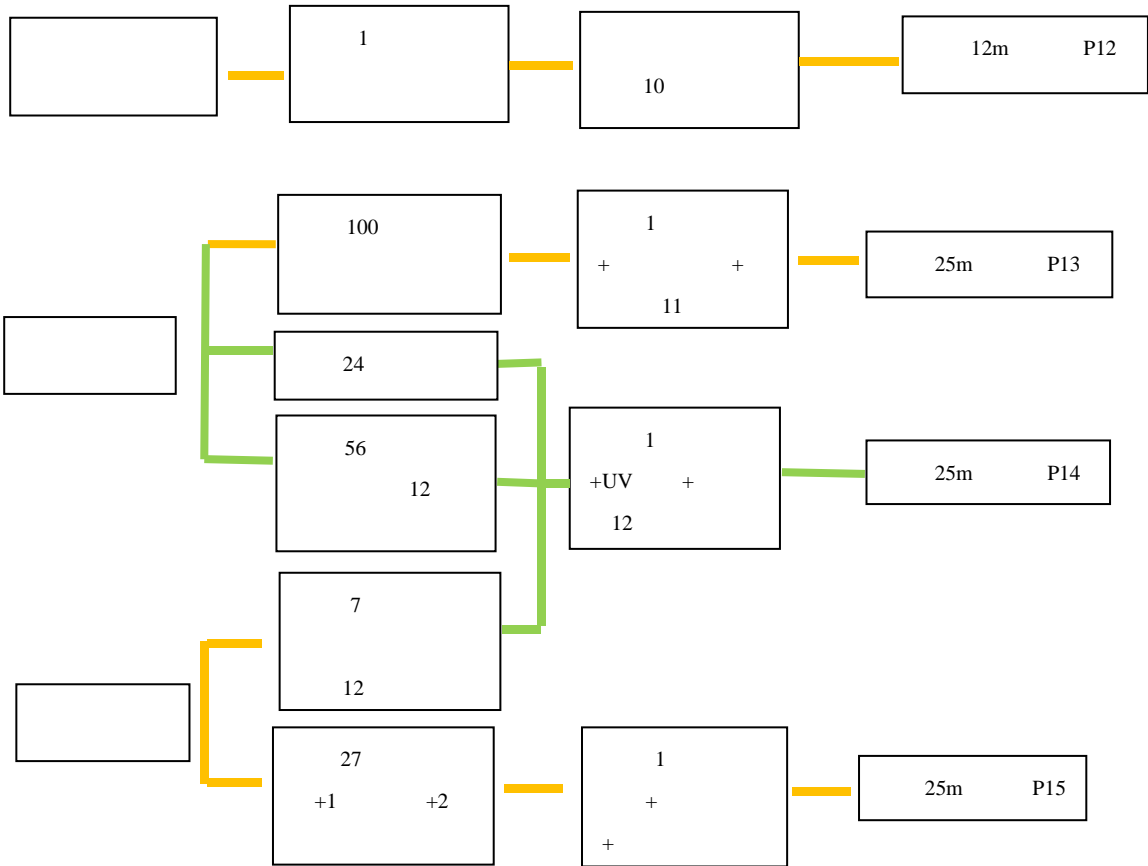
5



0.234kg/h 1.684t/a      0.030kg/h 0.219t/a      0.036kg/h 0.258t/a  
0.342kg/h 2.463t/a      H<sub>2</sub>S 0.001kg/h 0.008t/a

3.2-8





3.2-12      3.2-13

				m <sup>3</sup> /h						
					kg/h	t/a	mg/m <sup>3</sup>			
		1#		15000	0.140	1.008	9.3	+25m		90%
		2#		15000	0.140	1.008	9.3	+25m		
		3#		15000	0.140	1.008	9.3	+25m		
		4#		15000	0.140	1.008	9.3	+25m		
		5#		50000	0.010	0.072	0.2	( )+ +25m		90%
			0.0715		0.515	1.43				
			0.263		1.894	5.26				
			0.143		1.030	2.867				
		6#		50000	0.010	0.072	0.2	( )+ +25m		
			0.0715		0.515	1.43				
			0.263		1.894	6.26				
			0.143		1.030	2.867				
		7#		40000	0.100	0.715	12.993	+	25m	90%
			0.113		0.810	5.14	+			
		7#	SO <sub>2</sub>	301.708	0.015	0.112	37.122	+		
			NO <sub>x</sub>		0.062	0.444	147.281			
				924.741	0.017	0.120	12.98	+	+25m	/

				m <sup>3</sup> /h								
					kg/h	t/a	mg/m <sup>3</sup>					
		8#	SO <sub>2</sub>		0.048	0.343	37.091					
			NO <sub>x</sub>		0.189	1.362	147.284					
		9#		10755.591		0.019	0.140	12.98	+	+25m	/	
			SO <sub>2</sub>		0.055	0.399	37.091					
		10#	NO <sub>x</sub>	924.741		0.192	1.384	147.284	+	+25m	/	
			SO <sub>2</sub>		0.048	0.343	37.091					
		11#		22000		0.114	0.821	5.18	+RTO+25m		95%	
					0.151	1.084	6.86					
					0.177	1.277	55.54					
					1.222	8.798	12.993					
		12#		8000		0.115	0.828	14.38	+	+25m	90%	
					0.017	0.124	2.22					
		13#		1068.2 m <sup>3</sup> /a		0.013	0.092	8.61	+	+25m	+	80%
					0.0001	0.0008	0.075					
	/		/		/							
14#		256.90 m <sup>3</sup> /a		0.0004	0.003	1.17	+UV	+	+25m	90%		
			0.003	0.025	9.73							
			0.00003	0.0002	0.078	80%						
			/	/	/							

				m <sup>3</sup> /h					
					kg/h	t/a	mg/m <sup>3</sup>		
		1#		15000	0.140	1.008	9.3		90%



				m <sup>3</sup> /h									
					kg/h	t/a	mg/m <sup>3</sup>						
		10#	SO <sub>2</sub>	22000	0.048	0.343	37.091	11#	95%				
			NO <sub>x</sub>		0.189	1.362	147.284						
		11#			0.114	0.821	5.18	12#					
					0.151	1.084	6.86						
					0.177	1.277	55.54						
					1.222	8.798	12.993						
		12#			8000	0.115	0.828	14.38		13#	90%		
						0.017	0.124	2.22					
					13#		1068.2 m <sup>3</sup> /a	0.013		0.092	8.61	+ +25m	+ 80%
								0.0001		0.0008	0.075		
	/			/		/							
14#				823.15		0.0004	0.003	0.36	+UV	+ +25m			
					0.010	0.074	8.99						
					0.00008	0.0006	0.074						
					/	/	/						
15#				1.65 m <sup>3</sup> /a+		0.0012	0.0088	0.12	+ +25m	+ 90%			
					0.0014	0.010	8.73						
					0.0000003	0.000002	0.11						
		25000	/		/	/							

6.095/a SO<sub>2</sub>1.197t/a NO<sub>x</sub>4.552t/a

11.785t/a

2.114t/a

5.065t/a

0.952t/a H<sub>2</sub>S0.001t/a6.329t/a SO<sub>2</sub>1.197t/a NO<sub>x</sub>4.552t/a

12.114t/a

2.114t/a

5.785t/a

0.952t/a H<sub>2</sub>S0.001t/a

-- -- -- -- --- -- /

6.29m<sup>3</sup>/d

252m<sup>3</sup>/d

-- -- -- 1-- 2-- -- 1 -- 2-- --  
3-- 4-- 5--

18.29m<sup>3</sup>/d

10m<sup>3</sup>/d

+RO+ " + +  
3.2-9 546.2m<sup>3</sup>/d

1

COD SS +RO+MVR pH

" + +RO+MVR " 30m<sup>3</sup>/d 2m<sup>3</sup>/h

25m<sup>3</sup>/d

2

+ + + 32m<sup>3</sup>/d 2m<sup>3</sup>/h "pH

+ + + +MBR"



3

127.8m<sup>3</sup>/d

10m<sup>3</sup>/h

4

386.4 m<sup>3</sup>/d

30m<sup>3</sup>/h

546.2m<sup>3</sup>/d

"

+

+ +RO+

"

346m<sup>3</sup>/d

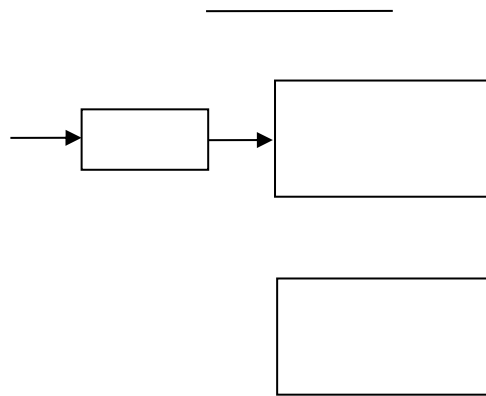
10m<sup>3</sup>/h

300m<sup>3</sup>/d

3.2-14

				m <sup>3</sup> /d	m <sup>3</sup> /d
1				18.29	20
2		1			
3		2			
4					
5		3			
6		4			
7					
8				270.09	280
				288.38	300

3.2-10



n

h

20

80

’—

3.2.10.2.3

800m<sup>3</sup>/d

GB27632-2011 2

3.2.10.2.4

GB8978-86

3.2.10.2.4

3.2-15

				mg/L pH									
				pH	SS	COD	BOD <sub>5</sub>					Zn	
			270.09m <sup>3</sup> /d	6~7	170	45.6	65	5	8	300			
			18.29m <sup>3</sup> /d	3~5	120	10							162.4
			288.38m <sup>3</sup> /d	5~6	167	43.6	60.9	4.7	7.5	280			10.3
			288.38m <sup>3</sup> /d	7~9	45	43.6	60.9	4.7	7.5	0.7			3.9
			11m <sup>3</sup> /d	3~5	3000	300	85	20	50		70	150	
			11m <sup>3</sup> /d	7~9	100	280	20	15	35		13	10	
			299.38m <sup>3</sup> /d	6~9	47	52.3	60	5.1	8.5	0.7	0.48	0.36	3.8
			45m <sup>3</sup> /d 13500m <sup>3</sup> /a		25	100	45	20	30	1.2			
			45m <sup>3</sup> /d 13500m <sup>3</sup> /a										

## GB12348-2008 3

## 3.2-16

		dB A			dB A	
1		70~80	75~85		50	55
2		75~80	80~85		55	60
3		70~80	75~85		50	55
4		75~85	80~90		60	65

EU TPV

UV

## 3.2-17

		t/a	t/a		
		519	363.3	155.7	
		22	15.4	6.6	
		557	389.9	167.1	
		82	57.4	24.6	
		113	79.1	33.9	
		114	79.8	34.2	
		103	72.1	30.9	
		70	49	21	
	EU	11	7.7	3.3	
	TPV	6	4.2	1.8	
		5.5	3.85	1.65	
		1	0.7	0.3	
		1603.5	1122.45	481.05	

559

0.5kg/d

83.85t/a

3

3.2-18

3.2-19

			t/a					
1	HW08	900-249-08	7.5	5.25	2.25		1	T
2		900-217-08	3	2.1	0.9		1	T I
3	HW09	900-006-09	46	32.2	13.8			T
4		900-007-09	1	0.7	0.3			T
5	HW12	900-252-12	200	160	40	\$ær		T I
6	HW17	336-064-17	120	84	36			T/C
7	HW17	336-064-17	30	21	9			T/C
8	HW06	< m"						



		900-249-08					
		900-217-08					
		900-006-09					
		900-007-09					
		900-252-12					
		336-064-17					
		336-064-17					
		900-404-06					
	16-18L	900-041-49		384m <sup>2</sup>	/	1000t/a	
	200L	900-041-49			/		
		900-041-49					
		900-039-49					
		900-014-13					
		900-052-31					
	UV	900-023-29					
		772-007-50					

$10^{-10}$ cm/s

GB18597-2001

<  
( [2014]197 )

( [2014]283

)

COD NH<sub>3</sub>-N TN TP SO<sub>2</sub>

NO<sub>x</sub> NH<sub>3</sub> H<sub>2</sub>S

:

6.095t/a SO<sub>2</sub>1.197t/a NO<sub>x</sub>4.552t/a VOC<sub>S</sub>18.964t/a(

11.785t/a 2.114t/a 5.065t/a 0.952t/a H<sub>2</sub>S0.001t/a

COD6.047t/a NH<sub>3</sub>-N0.728t/a TN1.168t/a TP0.079t/a 0.032t/a 0.341t/a

6.329t/a SO<sub>2</sub>1.197t/a NO<sub>x</sub>4.552t/a

VOC<sub>S</sub>20.013t/a( 12.114t/a 2.114/a 5.065t/a)

0.952t/a H<sub>2</sub>S0.001t/a COD6.047t/a NH<sub>3</sub>-N0.728t/a TN1.168t/a TP0.079t/a

0.032t/a 0.341t/a C 8 F

E

COD17t/ n t88

	t/a	t/a	t/a	t/a		t/a	t/a	t/a	t/a	
SO <sub>2</sub>	0.074	0.027	0.101	0		1.197	0	1.197	0	
NO <sub>x</sub>	0.459	0.106	0.565	0		4.552	0	4.552	0	
	3.872	0.338	4.210	-1.779		6.095	0.234	6.329	+1.779	
VOC <sub>s</sub>	17.696	0.256	17.952	-3.789		18.964	1.049	20.013	+3.789	
	0.221	0	0.221	0		0.001	0	0.001	0	
	0	0	0	0		0.952	0	0.952	0	
	0	0	0	0		0.341	0	0.341	0	
COD	17.601	0	17.601	0		6.047	0	6.047	0	
NH <sub>3</sub> -N	0.622	0	0.622	0		0.728	0	0.728	0	
	2.080	0	2.080	0		1.168	0	1.168	0	
	0.580	0	0.580	0		0.079	0	0.079	0	
	0.006	0	0.006	0		0	0	0	0	
	0.006	0	0.006	0		0.032	0	0.032	0	

723km<sup>2</sup>

38°52 40 -39°09 50

115°19 06 -115°46 56

10km

“ ”

119km

145km

150km

20m

91.2km<sup>2</sup>

12.61%

150 50m

100m

44.3km<sup>2</sup>

631.8km<sup>2</sup>

87.39%

1‰

50 10m

10m

8m

143.6km<sup>2</sup>

22.73%

1.33‰ 2.5‰

22 36m

537.8mm

12.4

2.2m/s

41.6

22.2

200 240d

2637.8h

EN

			120km
800km <sup>2</sup>	33km	139.9km <sup>2</sup>	
			25km
440km <sup>2</sup>	15km	174km <sup>2</sup>	
	73km	545km <sup>2</sup>	43.2km <sup>2</sup>
11	295km <sup>2</sup>		

1000m

400m

100m

450m

200m

250m

75m

125m

4-7m

75m

7

a

515m<sup>3</sup>/h·m

b

20-50m

40-130m

100-270m

380-550m

1\$





4

“ . ”

“ 25 ” “

25 ” “ 50 ” “ 25

” “ ” “

” “ ” “

” “ 50 ” “ 25 ”

“ ” “ ” “ 25

” “

” “ ” “

” “ ” “ 20

”

“ . ”

1

DN1000

4.5km<sup>2</sup>

1.15 m<sup>3</sup>/d

7.1 m<sup>3</sup>/d

2

6.0ha

5 m<sup>3</sup>/d

1.5 m<sup>3</sup>/d

5

m<sup>3</sup>/d

COD 500mg/L BOD<sub>5</sub> 300mg/L SS 400mg/L

A

3

1

5 35 t/h

175t/h

1 10

8

4

5.6 m<sup>3</sup>

0.17 0.4Mpa

5000Pa

2000 2800Pa

5

0.7-1km<sup>2</sup>

7

“ ”

1

2

1.5 t/d

5 t/d

2010 13

2011 11

2013

+ + +

pH6-9 COD500mg/l BOD<sub>5</sub>220mg/l SS250mg/l NH<sub>3</sub>-N30mg/l TP3mg/l

GB18918-2002 1 A

BOD<sub>5</sub> 10mg/L COD 50mg/L SS 10mg/L TN 15mg/L NH<sub>3</sub>-N 5mg/L

TP 0.5mg/L

3

4



				μg/m <sup>3</sup>			
PM <sub>10</sub>			109	70	155.7		
	24	95	233	150	155.3		
PM <sub>2.5</sub>			60	35	171.4		
	24	95	157	75	209.3		
SO <sub>2</sub>			9	60	15.0		
	24	95	23	150	15.3		
NO <sub>2</sub>			39	40	97.5		
	24	95	92	80	115		
CO	24	95	1900	4000	47.5		
O <sub>3</sub>	8	90	185	160	115.6		

4.4-1 2020

PM<sub>10</sub> PM<sub>2.5</sub>

PM<sub>10</sub> PM<sub>2.5</sub> NO<sub>2</sub> O<sub>3</sub>

24h

O<sub>3</sub> 8

90

GB3095-2012

2018

29

HJ2.2-2018

" "

4.4.1.2

(TSP)

3

2021 12 21 ~12 28 7

4 45

TSP 24

4

4.4-3

		mg/m <sup>3</sup>	
	TSP	0.132~0.170	0.9
		0.32~0.38	2.0
		ND	0.11
		ND	0.2
		ND	0.2
		0.070~0.096	0.2
		0.002~0.005	0.01
		10	/
	TSP	0.144~0.190	0.9
		0.43~0.50	2.0
		ND	0.11
		ND	0.2
		ND	0.2
		0.044~0.058	0.2
		0.002~0.005	0.01
		10	/

5

(TSP)

GB3095-2012

DB13/1577-2012

- HJ 2.2-2018

D

6



2200m

2020 10 12

2020 100905

4.4.1.1

1

7

4.4-5

DX01		NW	
DX03		W	
DX04		E	
DX05		SE	
DX06		SE	
DX02		NW	
DX07		SE	

2

pH

CO<sub>3</sub><sup>2-</sup> HCO<sup>-</sup> Cl<sup>-</sup> SO<sub>4</sub><sup>2-</sup>

3

2020 10 12 1 1

4

GB5749-2006

GB/T14848-2017

5

pH



---

= —

Pi — i

C i — i mg/L

C si — i mg/L

a

			0.264	0.175	0.196	0.204	0.246	0.223	0.162
mg/L	250mg/L		18	13	15	9	28	16	12
			0.072	0.052	0.06	0.036	0.112	0.064	0.048
	250mg/L		22.7	10.8	16.6	22.4	25.0	17.5	11.8
			0.091	0.043	0.066	0.09	0.1	0.07	0.047
	0.3mg/L		0.05L	0.05L	0.05L	0.05L	0.05L	0.05L	0.05L
			0.05L	0.05L	0.05L	0.05L	0.05L	0.05L	0.05L
	0.1mg/L		1.78	1.08	1.88	1.85	1.78	1.68	1.17
			0.59	0.36	0.63	0.62	0.59	0.56	0.39
mg/L	0.5mg/L		0.05	0.04	0.03	0.03	0.07	0.06	0.03
			0.1	0.08	0.06	0.06	0.14	0.12	0.06
	0.002mg/L		0.0003L	0.0003L	0.0003L	0.0003L	0.0003L	0.0003L	0.0003L
	CFU /100ml		2	2	2	2	2	2	2
	CFU /100ml		48	32	48	44	47	34	28
			0.48	0.32	0.48	0.44	0.47	0.34	0.28
	1.0mg/L		0.001L	0.001L	0.001L	0.001L	0.001L	0.001L	0.001L
	1.0mg/L		2.1	1.0	1.9	2.0	2.2	2.9	1.6
			0.105	0.05	0.095	0.1	0.11	0.145	0.08
	0.05mg/L		0.002L	0.002L	0.002L	0.002L	0.002L	0.002L	0.002L
	1.0mg/L		0.24	0.16	0.23	0.26	0.29	0.32	0.15
			0.24	0.16	0.23	0.26	0.29	0.32	0.15
	0.01μ g/L		0.04L	0.04L	0.04L	0.04L	0.04L	0.04L	0.04L
	0.01μ g/L		0.3L	0.3L	0.3L	0.3L	0.3L	0.3L	0.3L
	0.005 μg/L		0.5L	0.5L	0.5L	0.5L	0.5L	0.5L	0.5L
	0.05μg/L		0.004L	0.004L	0.004L	0.004L	0.004L	0.004L	0.004L
	0.01μg/L		2.5L	2.5L	2.5L	2.5L	2.5L	2.5L	2.5L
	/		0.01L	0.01L	0.01L	0.01L	0.01L	0.01L	0.01L

pH " +L"

4.4-6

1

(GB/T14848-2017)



8	115.518977	39.0512638	22.34	31.21	-8.87	27.36	-5.02	
9	115.514355	39.0315722	21.13	29.35	-8.52	25.37	-4.71	
10	115.523436	39.0363055	19.78	29.24	-9.46	25.64	-5.87	
11	115.447008	39.05645	25.64	27.76	-2.12	25.73	1.51	
12	115.445625	39.0330166	20.36	22.25	-1.89	20.38	1.98	
13	115.5054	39.0279138	21.37	29.32	-7.95	25.12	-3.92	
14	115.519944	39.02225	20.37	29.92	-9.31	25.98	-5.6	
15	115.492263	39.0169333	21.78	28.87	-7.09	24.17	-2.96	
16	115.492841	39.0607888	20.62	27.96	-7.34	23.29	-3.02	
17	115.507188	39.0556138	18.89	26.71	-7.82	22.45	-3.76	
18	115.480675	39.0570222	21.56	27.39	-5.83	23.35	-1.79	
19	115.529841	39.0595027	16.78	25.8	-9.32	23.21	-5.43	
20	115.527611	39.0140416	14.11	23	-9.69	20.9	-5.78	

2021 12 23

4.4.3.1

4

4.4.3.2

A

2021 12 23

GB3096-2008

4.4.3.3

4.4-9

N1	55	65		45	55	
N2	55	65		45	55	
N3	49	65		45	55	
N4	56	65		46	55	

4.4.3.4

1

2

GB3096-2008 3

3

4.4-8

GB3096-2008 3

1

HJ964-2018

6

3

0~0.5 0.5~1.5 1.5~3.0m

1

0~0.2m

2

0~0.2m

2

2020 9 29

(2020) H0509

3

GB36600

45

+

4

4.4-10

4.4-11~4.4-18

			2020.9.29
	115°29'6.4"		39°02'45.9"
	0~0.5m	0.5~1.5m	1.5~3.0m
	10%	10%	10%

---

pH	8.38	8.30	8.47
cmol+/kg	12.9	13.1	11.3
/ mV			

~

i N W R M M

34	1,2-	µg/kg	ND	ND	ND
35		µg/kg	ND	ND	ND
36		mg/kg	ND	ND	ND
37	2-	mg/kg	ND	ND	ND
38		mg/kg	ND	ND	ND
39	[a]	mg/kg	ND	ND	ND
40		mg/kg	ND	ND	ND
41	[b]	mg/kg	ND	ND	ND
42	[k]	mg/kg	ND	ND	ND
43	[a]	mg/kg	ND	ND	ND
44	[1,2,3-cd]	mg/kg	ND	ND	ND
45	[a h]	mg/kg	ND	ND	ND
46	C10-C40	mg/kg	ND	ND	ND

			09 29		
			0.2m	1.0m	1.5m
1		mg/kg	0.05	0.05	0.09
2		mg/kg	ND	ND	ND
3		mg/kg	21	19	23
4		mg/kg	10	15	14
5		mg/kg	20	17	20
6		mg/kg	0.015	0.014	0.016
7		mg/kg	8.62	8.18	9.19
8		µg/kg	ND	ND	ND
9		µg/kg	ND	ND	ND
10	1,1-	µg/kg	ND	ND	ND
11		µg/kg	ND	ND	ND
12	-1,2-	µg/kg	ND	ND	ND
13	1,1-	µg/kg	ND	ND	ND
14	-1,2-	µg/kg	ND	ND	ND
15		µg/kg	ND	ND	ND
16	1,2-	µg/kg	ND	ND	ND
17	1,1,1-	µg/kg	ND	ND	ND
18		µg/kg	ND	ND	ND
19		µg/kg	ND	ND	ND
20	1,2-	µg/kg	ND	ND	ND
21		µg/kg	ND	ND	ND
22	1,1,2-	µg/kg	ND	ND	ND
23		µg/kg	ND	ND	ND
24		µg/kg	ND	ND	ND
25	1,1,1,2-	µg/kg	ND	ND	ND
26		µg/kg	ND	ND	ND
27		µg/kg	ND	ND	ND
28	+	µg/kg	ND	ND	ND
29		µg/kg	ND	ND	ND
30		µg/kg	ND	ND	ND
31	1,1,2,2-	µg/kg	ND	ND	ND

32	1,2,3-	µg/kg	ND	ND	ND
33	1,4-	µg/kg	ND	ND	ND
34	1,2-	µg/kg	ND	ND	ND
35		µg/kg	ND	ND	ND
36		mg/kg	ND	ND	ND
37	2-	mg/kg	ND	ND	ND
38		mg/kg	ND	ND	ND
39	[a]	mg/kg	ND	ND	ND
40		mg/kg	ND	ND	ND
41	[b]	mg/kg	ND	ND	ND
42	[k]	mg/kg	ND	ND	ND
43	[a]	mg/kg	ND	ND	ND
44	[1,2,3-cd]	mg/kg	ND	ND	ND
45	[a h]	mg/kg	ND	ND	ND
46	C10-C40	mg/kg	ND	ND	ND

			09 29		
			0.2m	1.0m	1.5m
1		mg/kg	0.06	0.06	0.08
2		mg/kg	ND	ND	ND
3		mg/kg	16	15	20
4		mg/kg	13	19	17
5		mg/kg	16	15	19
6		mg/kg	0.014	0.010	0.014
7		mg/kg	5.87	5.80	9.38
8		µg/kg	ND	ND	ND
9		µg/kg	ND	ND	ND
10	1,1-	µg/kg	ND	ND	ND
11		µg/kg	ND	ND	ND
12	-1,2-	µg/kg	ND	ND	ND
13	1,1-	µg/kg	ND	ND	ND
14	-1,2-	µg/kg	ND	ND	ND
15		µg/kg	ND	ND	ND
16	1,2-	µg/kg	ND	ND	ND
17	1,1,1-	µg/kg	ND	ND	ND
18		µg/kg	ND	ND	ND
19		µg/kg	ND	ND	ND
20	1,2-	µg/kg	ND	ND	ND
21		µg/kg	ND	ND	ND
22	1,1,2-	µg/kg	ND	ND	ND
23		µg/kg	ND	ND	ND
24		µg/kg	ND	ND	ND
25	1,1,1,2-	µg/kg	ND	ND	ND
26		µg/kg	ND	ND	ND
27		µg/kg	ND	ND	ND
28	+	µg/kg	ND	ND	ND



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29		µg/kg	ND	ND	ND
30		µg/kg	ND	ND	ND
31	1,1,2,2-	µg/kg	ND	ND	ND
32	1,2,3-	µg/kg	ND	ND	ND
33	1,4-	µg/kg	ND	ND	ND
34	1,2-	µg/kg	ND	ND	ND
35		µg/kg	ND	ND	ND
36		mg/kg	ND	ND	ND
37	2-	mg/kg	ND	ND	ND
38		mg/kg	ND	ND	ND
39	[a]	mg/kg	ND	ND	ND
40		mg/kg	ND	ND	ND
41	[b]	mg/kg	ND	ND	ND
42	[k]	mg/kg	ND	ND	ND
43	[a]	mg/kg	ND	ND	ND
44	[1,2,3-cd]	mg/kg	ND	ND	ND
45					

↓

25	1,1,1,2-	µg/kg	ND	ND	ND
26		µg/kg	ND	ND	ND
27		µg/kg	ND	ND	ND
28	+	µg/kg	ND	ND	ND
29		µg/kg	ND	ND	ND
30		µg/kg	ND	ND	ND
31	1,1,2,2-	µg/kg	ND	ND	ND
32	1,2,3-	µg/kg	ND	ND	ND
33	1,4-	µg/kg	ND	ND	ND
34	1,2-	µg/kg	ND	ND	ND
35		µg/kg	ND	ND	ND
36		mg/kg	ND	ND	ND
37	2-	mg/kg	ND	ND	ND
38		mg/kg	ND	ND	ND
39	[a]	mg/kg	ND	ND	ND
40		mg/kg	ND	ND	ND
41	[b]	mg/kg	ND	ND	ND
42	[k]	mg/kg	ND	ND	ND
43	[a]	mg/kg	ND	ND	ND
44	[1,2,3-cd]	mg/kg	ND	ND	ND
45	[a h]	mg/kg	ND	ND	ND
46	C10-C40	mg/kg	ND	ND	ND

6

		09 29				
				0.2m	1.0m	1.5m
1		65	mg/kg	0.000769	0.000923	0.001692
2		5.7	mg/kg	—	—	—
3		18000	mg/kg	0.001111	0.001722	0.001444
4		800	mg/kg	0.01375	0.0325	0.01375
5		900	mg/kg	0.02	0.034444	0.028889
6		38	mg/kg	0.000526	0.000342	0.001263
7		60	mg/kg	0.127333	0.245	0.238333
8		37	mg/kg	—	—	—
9		0.43	mg/kg	—	—	—
10	1,1-	66	mg/kg	—	—	—
11		616	mg/kg	—	—	—
12	-1,2-	54	mg/kg	—	—	—
13	1,1-	9	mg/kg	—	—	—
14	-1,2-	596	mg/kg	—	—	—
15		0.9	mg/kg	—	—	—
16	1,2-	5	mg/kg	—	—	—
17	1,1,1-	840	mg/kg	—	—	—
18		2.8	mg/kg	—	—	—

19		4	mg/kg	—	—	—
20	1,2-	5	mg/kg	—	—	—
21		2.8	mg/kg	—	—	—
22	1,1,2-	2.8	mg/kg	—	—	—
23		1200	mg/kg	—	—	—
24		53	mg/kg	—	—	—
25	1,1,1,2-	10	mg/kg	—	—	—
26		270	mg/kg	—	—	—
27		28	mg/kg	—	—	—
28	+	570	mg/kg	—	—	—
29		1290	mg/kg	—	—	—
30		640	mg/kg	—	—	—
31	1,1,2,2-	6.8	mg/kg	—	—	—
32	1,2,3-	0.5	mg/kg	—	—	—
33	1,4-	20	mg/kg	—	—	—
34	1,2-	560	mg/kg	—	—	—
35		70	mg/kg	—	—	—
36		260	mg/kg	—	—	—
37	2-	2256	mg/kg	—	—	—
38		76	mg/kg	—	—	—
39	[a]	15	mg/kg	—	—	—
40		1293	mg/kg	—	—	—
41	[b]	15	mg/kg	—	—	—
42	[k]	151	mg/kg	—	—	—
43	[a]	1.5	mg/kg	—	—	—
44	[1,2,3-cd]	15	mg/kg	—	—	—
45	[a h]	1.5	mg/kg	—	—	—
46	C10-C40	4500	mg/kg	—	—	—

				09 29		
				0.2m	1.0m	1.5m
1		65	mg/kg	0.000769	0.000769	0.001385
2		5.7	mg/kg	—	—	—
3		18000	mg/kg	0.001167	0.001056	0.001278
4		800	mg/kg	0.0125	0.01875	0.0175
5		900	mg/kg	0.022222	0.018889	0.022222
6		38	mg/kg	0.000395	0.000368	0.000421
7		60	mg/kg	0.143667	0.136333	0.153167
8		37	mg/kg	—	—	—
9		0.43	mg/kg	—	—	—
10	1,1-	66	mg/kg	—	—	—
11		616	mg/kg	—	—	—
12	-1,2-	54	mg/kg	—	—	—

13	1,1-	9	mg/kg	—	—	—
14	-1,2-	596	mg/kg	—	—	—
15		0.9	mg/kg	—	—	—
16	1,2-	5	mg/kg	—	—	—
17	1,1,1-	840	mg/kg	—	—	—
18		2.8	mg/kg	—	—	—
19		4	mg/kg	—	—	—
20	1,2-	5	mg/kg	—	—	—
21		2.8	mg/kg	—	—	—
22	1,1,2-	2.8	mg/kg	—	—	—
23		1200	mg/kg	—	—	—
24		53	mg/kg	—	—	—
25	1,1,1,2-	10	mg/kg	—	—	—
26		270	mg/kg	—	—	—
27		28	mg/kg	—	—	—
28	+	570	mg/kg	—	—	—
29		1290	mg/kg	—	—	—
30		640	mg/kg	—	—	—
31	1,1,2,2-	6.8	mg/kg	—	—	—
32	1,2,3-	0.5	mg/kg	—	—	—
33	1,4-	20	mg/kg	—	—	—
34	1,2-	560	mg/kg	—	—	—
35		70	mg/kg	—	—	—
36		260	mg/kg	—	—	—
37	2-	2256	mg/kg	—	—	—
38		76	mg/kg	—	—	—
39	[a]	15	mg/kg	—	—	—
40		1293	mg/kg	—	—	—
41	[b]	15	mg/kg	—	—	—
42	[k]	151	mg/kg	—	—	—
43	[a]	1.5	mg/kg	—	—	—
44	[1,2,3-cd]	15	mg/kg	—	—	—
45	[a h]	1.5	mg/kg	—	—	—
46	C10-C40	4500	mg/kg	—	—	—

				09 29		
				0.2m	1.0m	1.5m
1		65	mg/kg	0.000923	0.000923	0.001231
2		5.7	mg/kg	—	—	—
3		18000	mg/kg	0.000889	0.000833	0.001111
4		800	mg/kg	0.01625	0.02375	0.02125
5		900	mg/kg	0.017778	0.016667	0.021111
6		38	mg/kg	0.000368	0.000263	0.000368

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7		60	mg/kg	0.097833	0.096667	0.156333
8		37	mg/kg	—	—	—
9		0.43	mg/kg	—	—	—
10	1,1-	66	mg/kg	—	—	—
11		616	mg/kg	—	—	—
12	-1,2-	54	mg/kg	—	—	—
13	1,1-	9	mg/kg	—	—	—
14	-1,2-	596	mg/kg	—	—	—
15		0.9	mg/kg	—	—	—
16	1,2-	5	mg/kg	—	—	—
17	1,1,1-	840	mg/kg	—	—	—
18		2.8	mg/kg	—	—	—
19		4	mg/kg	—	—	—
20	1,2-	5	mg/kg	—	—	—
21		2.8	mg/kg	—	—	—
22	1,1,2-	2.8	mg/kg	—	—	—
23		1200	mg/kg	—	—	—

1		65	mg/kg	0.001231	0.001077	0.001077
2		5.7	mg/kg	—	—	—
3		18000	mg/kg	0.000944	0.001333	0.001056
4		800	mg/kg	0.02375	0.02375	0.02875
5		900	mg/kg	0.016667	0.02	0.016667
6		38	mg/kg	0.000421	0.000816	0.000447
7		60	mg/kg	0.119667	0.142	0.105167
8		37	mg/kg	—	—	—
9		0.43	mg/kg	—	—	—
10	1,1-	66	mg/kg	—	—	—
11		616	mg/kg	—	—	—
12	-1,2-	54	mg/kg	—	—	—
13	1,1-	9	mg/kg	—	—	—
14	-1,2-	596	mg/kg	—	—	—
15		0.9	mg/kg	—	—	—
16	1,2-	5	mg/kg	—	—	—
17	1,1,1-	840	mg/kg	—	—	—
18		2.8	mg/kg	—	—	—
19		4	mg/kg	—	—	—
20	1,2-	5	mg/kg	—	—	—
21		2.8	mg/kg	—	—	—
22	1,1,2-	2.8	mg/kg	—	—	—
23		1200	mg/kg	—	—	—
24		53	mg/kg	—	—	—
25	1,1,1,2-	10	mg/kg	—	—	—
26		270	mg/kg	—	—	—
27		28	mg/kg	—	—	—
28	+	570	mg/kg	—	—	—
29		1290	mg/kg	—	—	—
30		640	mg/kg	—	—	—
31	1,1,2,2-	6.8	mg/kg	—	—	—
32	1,2,3-	0.5	mg/kg	—	—	—
33	1,4-	20	mg/kg	—	—	—
34	1,2-	560	mg/kg	—	—	—
35		70	mg/kg	—	—	—
36		260	mg/kg	—	—	—
37	2-	2256	mg/kg	—	—	—
38		76	mg/kg	—	—	—
39	[a]	15	mg/kg	—	—	—
40		1293	mg/kg	—	—	—
41	[b]	15	mg/kg	—	—	—
42	[k]	151	mg/kg	—	—	—
43	[a]	1.5	mg/kg	—	—	—
44	[1,2,3-cd]	15	mg/kg	—	—	—
45	[a h]	1.5	mg/kg	—	—	—

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46	C10-C40	4500	mg/kg	—	—	—
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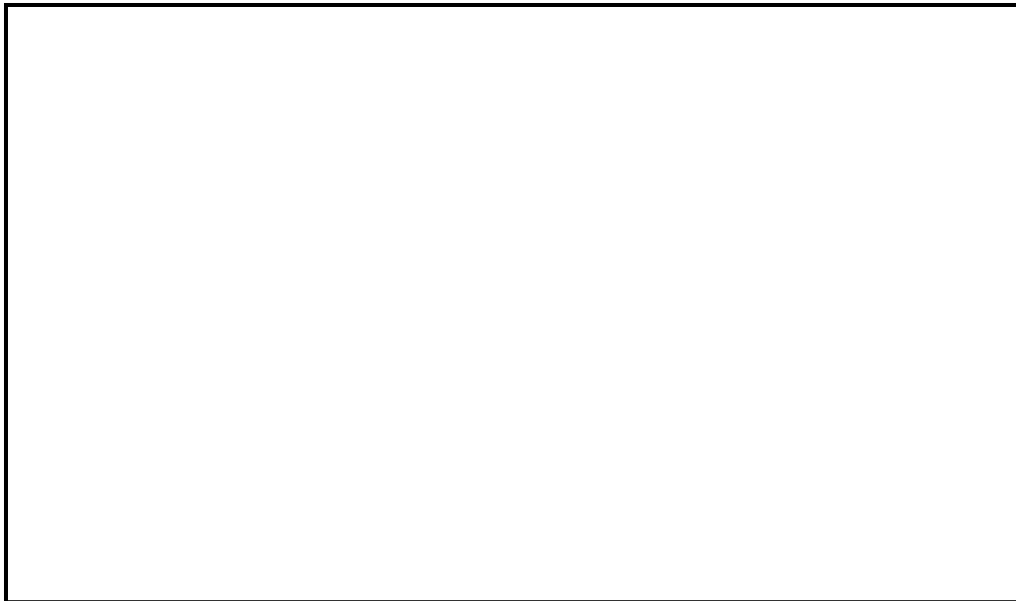
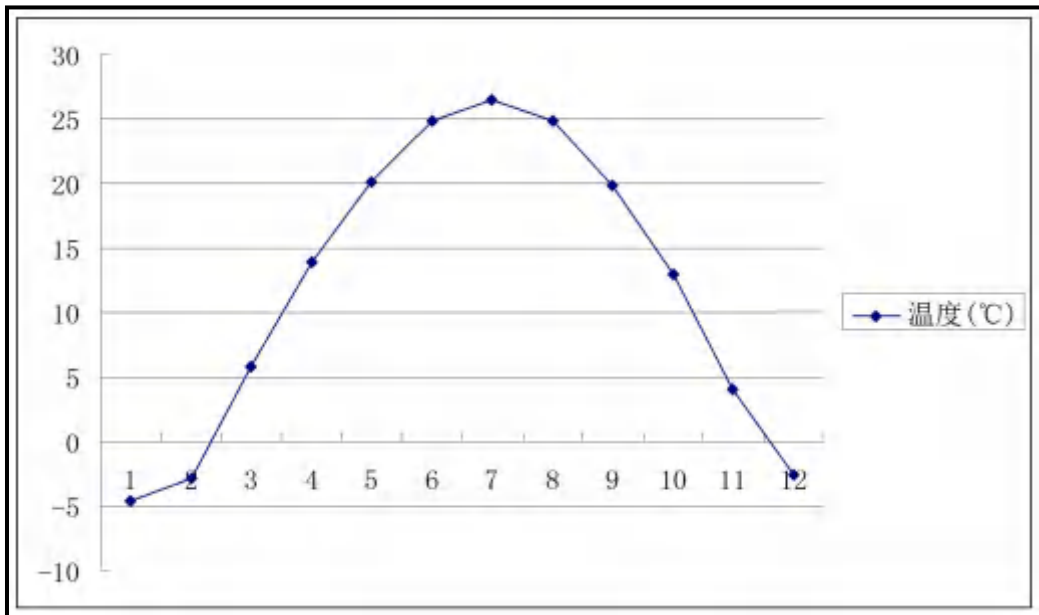
1

GB36600-2018











6.1.2

- (HJ2.2-2018) 5.3

A AERSCREEN

(1)  $P_{max}$   $D_{10\%}$

(HJ2.2-2018)

P



$P_i$  — i %

$C_i$  — i 1h

$\mu\text{g}/\text{m}^3$

$C_{0i}$  — i  $\mu\text{g}/\text{m}^3$

(2)

6.1-3

	$P_{max} < 10\%$
	$1\% < P_{max} < 10\%$
	$P_{max} < 1\%$

(3)

6.1-4

			$(\mu\text{g}/\text{m}^3)$	
$\text{PM}_{10}$			150.0	(GB 3095-2012)
$\text{SO}_2$			500.0	(GB 3095-2012)
$\text{NO}_x$			250.0	(GB 3095-2012)
			200.0	HJ 2.2-2018 D

NMHC			2000.0	DB13/1577-2012
			200.0	HJ 2.2-2018 - D
H <sub>2</sub> S			10.0	HJ 2.2-2018 - D
			400.0	CH245-71
			300.0	HJ 2.2-2018 - D

2

## 6.1-5~6.1-7

	(m)							
		(m)	(m)	( )	(m/s)			
1#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
2#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
3#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
4#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
5#	29.0	25	0.8	20	13.81		0.010	kg/h
							0.0715	kg/h
							0.263	kg/h
							0.143	kg/h
6#	29.0	25	0.8	20	13.81	PM <sub>10</sub>	0.010	kg/h
							0.0715	kg/h
							0.263	kg/h
							0.143	kg/h
7#	29.0	25	0.8	20	11.06	PM <sub>10</sub>	0.131	kg/h
							0.150	kg/h
						SO <sub>2</sub>	0.015	kg/h
						NO <sub>x</sub>	0.062	kg/h
8#	29.0	25	0.3	20	7.94		0.017	kg/h
						SO <sub>2</sub>	0.048	kg/h
						NO <sub>x</sub>	0.189	kg/h
9#	29.0	25	0.3	20	7.94	PM <sub>10</sub>	0.019	kg/h
						SO <sub>2</sub>	0.055	kg/h
						NO <sub>x</sub>	0.192	kg/h

10#	29.0	25	0.3	20	7.94	PM <sub>10</sub>	0.017	kg/h
						SO <sub>2</sub>	0.048	kg/h
						NO <sub>x</sub>	0.189	kg/h
11#	29.0	25	0.6	20	10.81	PM <sub>10</sub>	0.114	kg/h
							0.151	
							0.177	kg/h
12#	29.0	25	0.6	20	7.86		1.222	kg/h
							0.115	kg/h
13#	29.0	25	0.3	20	7.94	NO <sub>x</sub>	0.017	kg/h
							0.013	kg/h
14#	29.0	25	0.3	20	7.94		0.0001	kg/h
							0.0004	kg/h
14#	29.0	25	0.3	20	7.94		0.003	kg/h
							0.0003	kg/h

	(m)							
		(m)	(m)	( )	(m/s)			
1#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
2#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
3#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
4#	29.0	25	0.8	20	8.29	PM <sub>10</sub>	0.140	kg/h
5#	29.0	25	0.8	20	13.81		0.010	kg/h
							0.0715	kg/h
							0.263	kg/h
							0.143	kg/h
6#	29.0	25	0.8	20	13.81	PM <sub>10</sub>	0.010	kg/h
							0.0715	kg/h
							0.263	kg/h
							0.143	kg/h
7#	29.0	25	0.8	20	11.06	PM <sub>10</sub>	0.131	kg/h
							0.150	kg/h
						SO <sub>2</sub>	0.015	kg/h
						NO <sub>x</sub>	0.062	kg/h
8#	29.0	25	0.3	20	7.94		0.017	kg/h

						SO <sub>2</sub>	0.048	kg/h
						NO <sub>x</sub>	0.189	kg/h
9#	29.0	25	0.3	20	7.94	PM <sub>10</sub>	0.019	kg/h
						SO <sub>2</sub>	0.055	kg/h
						NO <sub>x</sub>	0.192	kg/h
10#	29.0	25	0.3	20	7.94	PM <sub>10</sub>	0.017	kg/h
						SO <sub>2</sub>	0.048	kg/h
						NO <sub>x</sub>	0.189	kg/h
11#	29.0	25	0.6	20	10.81	PM <sub>10</sub>	0.114	kg/h
							0.151	
							0.177	kg/h
							1.222	kg/h
12#	29.0	25	0.6	20	7.86		0.115	kg/h
						NO <sub>x</sub>	0.017	kg/h
13#	29.0	25	0.3	20	7.94		0.013	kg/h
							0.0001	kg/h
14#	29.0	25	0.3	20	7.94		0.0004	kg/h
							0.010	kg/h
							0.00008	kg/h
15#	29.0	25	0.3	20	7.94		0.0012	kg/h
							0.0014	kg/h
							0.0000003	kg/h

	/m							
29	240	155	10	NO <sub>x</sub>	0.061	kg/h		
				NO <sub>x</sub>	0.009	kg/h		
				PM <sub>10</sub>	0.234	kg/h		
				NMHC	0.342	kg/h		
					0.030	kg/h		
					0.036	kg/h		
				H <sub>2</sub> S	0.001	kg/h		

## 6.1-8

/	/	
	( )	/
		40.0 °C
		-20.0 °C
	(m)	90
	/m	/
	/°	/

4

P<sub>max</sub> D<sub>10%</sub>

6.1-9~

## 6.1-11

		( $\mu\text{g}/\text{m}^3$ )	C <sub>max</sub> ( $\mu\text{g}/\text{m}^3$ )	P <sub>max</sub> (%)	D <sub>10%</sub> (m)
1#	PM <sub>10</sub>	450.0	10.1200	2.2500	/
2#	PM <sub>10</sub>	450.0	10.1360	2.2500	/
3#	PM <sub>10</sub>	450.0	10.1200	2.2500	/
4#	PM <sub>10</sub>	450.0	10.0940	2.2400	/
5#	PM <sub>10</sub>	450.0	0.7113	0.1600	/
		200.0	18.7794	9.3900	/
		200.0	5.0861	2.5400	/
	NMHC	2000.0	10.1722	0.5100	/
6#	PM <sub>10</sub>	450.0	0.6997	0.1600	/
		200.0	18.4716	9.2400	/
		200.0	5.0027	2.5000	/
	NMHC	2000.0	10.0054	0.5000	/
7#	NMHC	2000.0	7.6542	0.3800	/
	PM <sub>10</sub>	450.0	6.9602	1.4100	/



---

	SO <sub>2</sub>	500.0	1.4824	0.3000	/
	NO <sub>x</sub>	250.0	6.1273	2.4500	/
	PM <sub>10</sub>	450.0	1.4655	0.3300	/
8#	SO <sub>2</sub>	500.0	4.1379	0.8300	/
	NO <sub>x</sub>	250.0	16.2929	6.5200	/
	PM <sub>10</sub>	450.0	1.6307	<del>0.3600</del>	/
9#					

	NO <sub>x</sub>	250.0	16.4787	6.5900	/
10#	PM <sub>10</sub>	450.0	1.4678	0.3300	/
	SO <sub>2</sub>	500.0	4.1444	0.8300	/
	NO <sub>x</sub>	250.0	16.3185	6.5300	/
11#	NMHC	2000.0	84.1530	4.2100	/
	PM <sub>10</sub>	450.0	7.8506	1.7400	/
		200.0	12.1891	6.0900	/
		200.0	10.3986	5.2000	/
12#		300.0	8.3380	2.7800	/
		1200.0	1.2326	0.1000	/
13#	NMHC	2000.0	1.1198	0.0600	/
	H <sub>2</sub> S	10.0	0.0086	0.0900	/
14#	PM <sub>10</sub>	450.0	0.0345	0.0100	/
	H <sub>2</sub> S	10.0	0.8634	8.6300	/
	NMHC	2000.0	0.0069	0.0000	/
15#	NMHC	2000.0	0.0332	0.0000	/
	H <sub>2</sub> S	10.0	0.0000	0.0000	/
	PM <sub>10</sub>	450.0	9.5829	2.1300	/

		( $\mu\text{g}/\text{m}^3$ )	Cmax( $\mu\text{g}/\text{m}^3$ )	Pmax(%)	D10%(m)
		300.0	11.6440	3.8800	/
	NO <sub>x</sub>	1200.0	1.7180	0.1400	/
	PM <sub>10</sub>	450.0	44.6671	9.9300	/
	NMHC	2000.0	65.2828	3.2600	/
		200.0	6.8719	3.4400	/
		200.0	5.7266	2.8600	/
	H <sub>2</sub> S	10.0	0.1909	1.9100	/

3

Pmax PM<sub>10</sub> Pmax 9.93% Cmax  
44.6671 $\mu\text{g}/\text{m}^3$  HJ2.2-2018

4

HJ2.2-2018

10%

10%

D10%

6.1-12~ 6.1-14

		( $\mu\text{g}/\text{m}^3$ )	kg/h	t/a
1#	PM <sub>10</sub>	9300	0.140	1.008
2#	PM <sub>10</sub>	9300	0.140	1.008
3#	PM <sub>10</sub>	9300	0.140	1.008
4#	PM <sub>10</sub>	9300	0.140	1.008
5#	PM <sub>10</sub>	200	0.010	0.072
		1430	0.0715	0.515
		5260	0.263	1.894
		2867	0.143	1.030
6#	PM <sub>10</sub>	200	0.010	0.072
		1430	0.0715	0.515
		5260	0.263	1.894
		2867	0.143	1.030
7#	PM <sub>10</sub>	12993	0.131	0.940
		6820	0.150	1.080
	SO <sub>2</sub>	37122	0.015	0.112
	NO <sub>X</sub>	147281	0.062	0.444
8#	PM <sub>10</sub>	12980	0.017	0.120
	SO <sub>2</sub>	37091	0.048	0.343
	NO <sub>X</sub>	147284	0.189	1.362
9#	PM <sub>10</sub>	12980	0.019	0.140
	SO <sub>2</sub>	37091	0.055	0.399
	NO <sub>X</sub>	147284	0.192	1.384
10#	PM <sub>10</sub>	12980	0.017	0.120
	SO <sub>2</sub>	37091	0.048	0.343
	NO <sub>X</sub>	147284	0.189	1.362

11#	PM <sub>10</sub>	5180	0.114	0.821
		6860	0.151	1.087
		8050	0.177	1.274
		55540	1.222	8.798
12#		14380	0.115	0.828
		2220	0.017	0.122
13#		8610	0.013	0.092
		75	0.0001	0.0008
14#	PM <sub>10</sub>	3600	0.0004	0.003
		8900	0.010	0.074
		740	0.00008	0.0006
15#		1200	0.0012	0.0088
		87300	0.0014	0.010
		1100	0.0000003	0.000002
				6.329
NMHC				12.114
				2.114
				5.065
SO <sub>2</sub>				1.197
NO <sub>x</sub>				4.552
				0.952
H <sub>2</sub> S				0.001

		(mg/m <sup>3</sup> )	kg/h	t/a
		1.2	0.061	0.439
	NO <sub>x</sub>	0.12	0.009	0.065
	PM <sub>10</sub>	1.0	0.234	1.685
	NMHC	2.0	0.342	2.462
		0.5	0.030	2.160
		0.8	0.036	0.259
	H <sub>2</sub> S	0.06	0.001	0.007
				0.439
NO <sub>x</sub>				0.065
				1.685

	NMHC	2.462
		2.160
		0.259
	H <sub>2</sub> S	0.007

		/ t/a
1		8.014
2		14.576
3		2.373
4		7.225
5	SO <sub>2</sub>	1.197
6	NO <sub>x</sub>	4.552
7		1.017
8	H <sub>2</sub> S	0.008
	PM <sub>10</sub>	

			<input checked="" type="checkbox"/>	
		=50km	5-50km	=5km <input checked="" type="checkbox"/>
	SO <sub>2</sub> +NO <sub>x</sub>	2000t/a	200-2000t/a	<500t/a
		SO <sub>2</sub> PM <sub>10</sub> NO <sub>2</sub>	H <sub>2</sub> S	PM <sub>2.5</sub> PM <sub>2.5</sub> <input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	D <input checked="" type="checkbox"/>
		2020		
				<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>		

AERM ADMS AUSTAL200 EDMS/ CALPUFF  
OD 0 AEDT

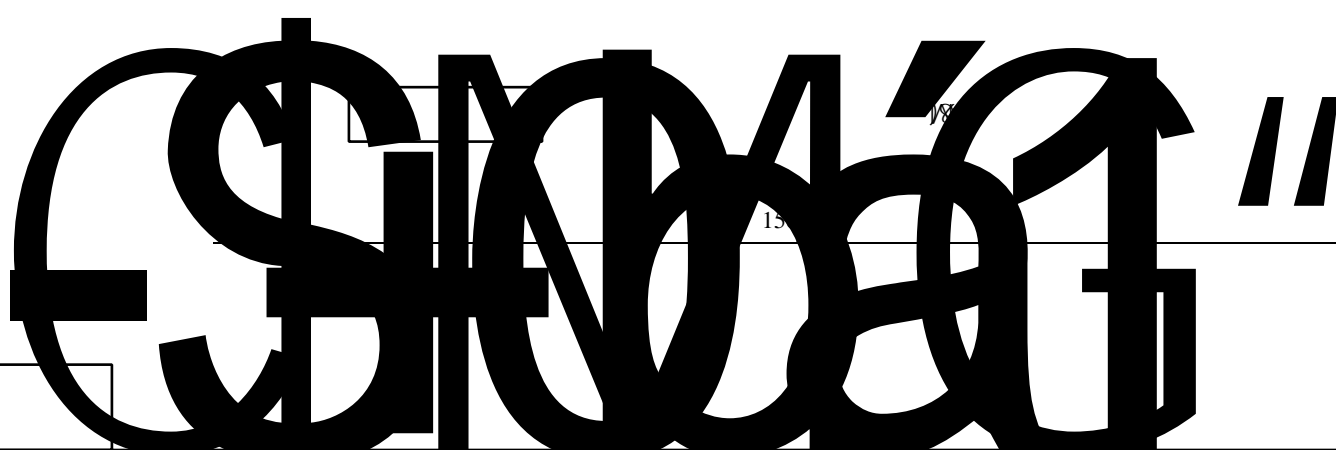
	50km			5-50km	=5km <input checked="" type="checkbox"/>
	SO <sub>2</sub>	NO <sub>2</sub>	PM <sub>10</sub> H <sub>2</sub> S		PM <sub>2.5</sub> PM <sub>2.5</sub>
C		100%		C	>100%
	C			C	>10%
		10%			
	C			C	>30%
		30%			
1h	C			C	>100%
		100%			
h	C			C	

k -20%

k >-20%

SO<sub>2</sub> NO<sub>2</sub> PM<sub>10</sub>

ω ρ



35m<sup>3</sup>/h " + + "

(GB27632-2011) 2

+

1

I2

I2-2

I2-2

15~25

-

I

2

I2-3

I

II

			10m <sup>3</sup> /h <sup>3</sup> A Å @ 9 Ó\$# ~ 20m <sup>3</sup> /h·m 1\
I	1~2	1~3	= b
	3~5	10~20	II R 3~6 1
~4	15~20	10~15m/d	80~100
	30		
	III-54V		

2i

†

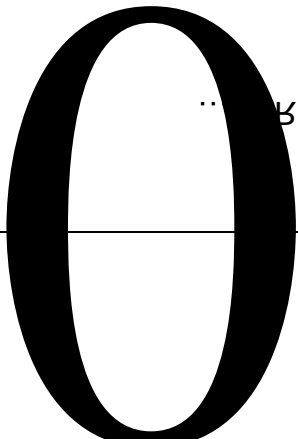
II

†

2j

q

2k



8 V

S ..

∇o

∇-

.. BQ b

00 3 .

d E

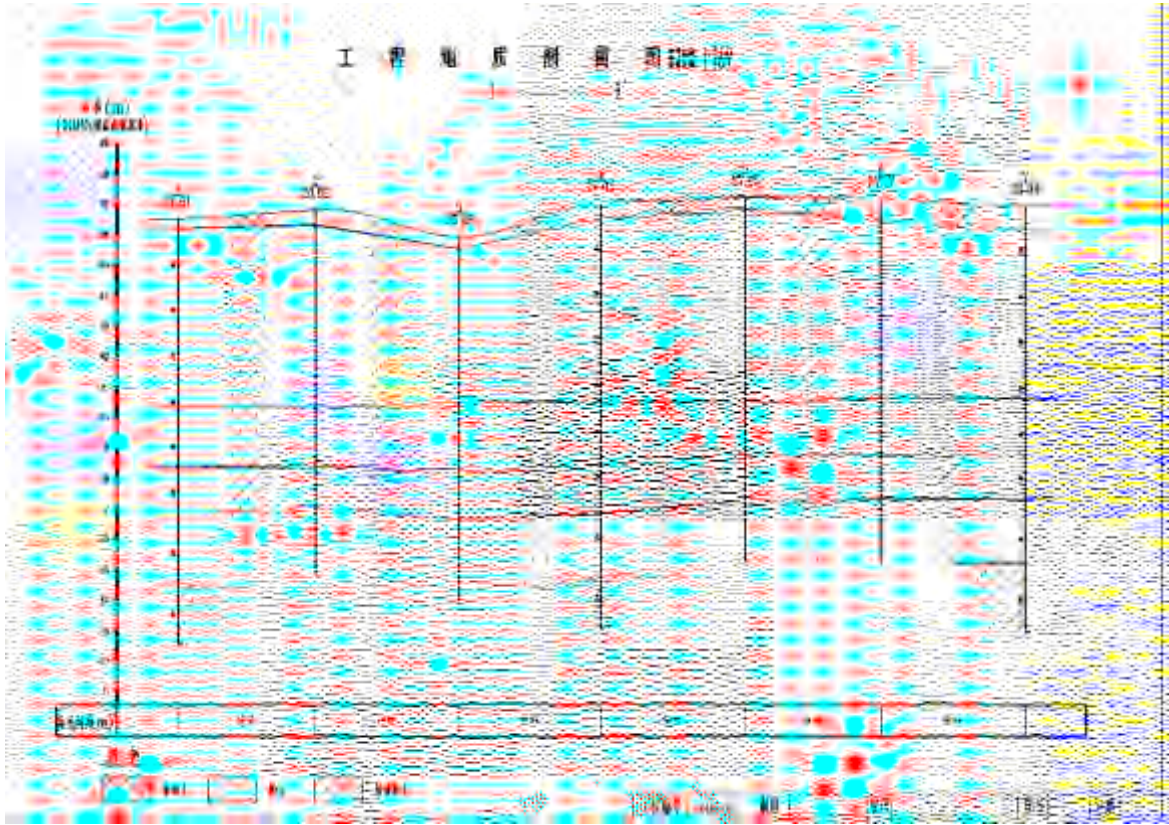
3λ 200

L E Q · I





			-	-					
					5.5	6.8		3.0	6.4
	20.16	20.93							
			-						
	7.7	9.4	1.6	3.0	17.46	18.91			
			-					9.1	
10.7	1.2	1.6		16.09-17.37					
			-						
	11.6	12.9	1.9	3.0	13.86	15.24			
			-						
					16.0	16.9		3.7	4.6
9.53	10.61								
	20		4.2		6.06				
					6.3-2		6.3-3		





1

30m<sup>3</sup>/h

(GB27632-2011) 3

GB27632-2011

2

2

1

GB18597-2001 2013

GB18599-2001(2013

2

10

10

COD SS pH BOD<sub>5</sub>

COD

COD572mg/L 150mg/L 70mg/L

GB/T14848-2017

3mg/L

0.05mg/L

1mg/L

0.05mg/L

0.3mg/L

0.01mg/L

GB5749-2006

1

“

”

(HJ610-2016) D

$$C(x,t) = \frac{m/W}{2n_e \sqrt{\pi D_L t}} e^{-\frac{(x-ut)^2}{4D_L t}}$$

$x$  — m  
 $t$  — d  
 $C(x,t)$  — t x g/l  
 $m$  — kg  
 $w$  —  $m^2$   
 $u$  — m/d  
 $ne$  —  
 $DL$  —  $m^2/d$   
 $2$   
 $1$  m  
 $m^2 \cdot d$   $2L/$   $m^2 \cdot d$   
 $10$   $20L/$   
 $m^2 \cdot d$   $5m \times 0.1m$   
 $5m \times 0.1m \times 20L/$   $m^2 \cdot d = 10L/d$   $10$   
 $10L/d \times 10d = 100L$   
 $100L$

1000L

$u=KI/ne$       3.17m/d      14m  
                   I    2%      0.032m/d  
                                   L    10m      DL=  $L \times u = 0.32m^2/d$   
                   14m      5m      14m $\times$ 5m=70m<sup>2</sup>

1 COD

COD      6.3-1

d	mg/L	m	480m
100	0.1132	13	0
1000	0.0358	--	--
3650	0.0187	--	--
5500	0.0153	--	--
7300	0.0132	--	--

6.3-1      100d    COD  
 0.1132mg/L      13m      1000d 3650d  
 5500d 7300d    COD      480m

2

d	mg/L	m	480m
100	0.0053	--	--
1000	0.0017	--	--
3650	0.0009	--	--
5500	0.0007	--	--
7300	0.0006	--	--

6.3-2      100d 1000d 3650d 5500d  
 7300d      480m

3



---

d	mg/L	m	480m
100	0.00173	--	--
1000	0.00078	--	--
3650	0.00008	--	--
5500	0.00006	--	--
7300	0.00004	--	--

6.3-3  
7300d  
100d 1000d 3650d 5500d  
480m

GB18597-2001 2013

GB18599-2001(2013)





3

6.3-6

1			pH		GB/T14848-2017
2					
3					

1

2

3

4

“ ”

5

70 90dB A

6.4-1

		dB A			dB A	
1		70~80	75~85		50	55
2		75~80	80~85		55	60
3		70~80	75~85		50	55
4		75~85	80~90		60	65

1

$$L_{A,r} = L_{A,r_0} - 20 \lg(r/r_0)$$

$$L_{A,r} - L_{A,r_0} = -20 \lg(r/r_0) \quad \text{dB A}$$

$$L_{A,r_0} - L_{A,r} = 20 \lg(r/r_0) \quad \text{dB A}$$

$$r_0/r = 10^{(L_{A,r_0} - L_{A,r})/20} \quad \text{m} \quad r_0=1\text{m}$$

$$L=10\lg \sum 10^{0.1}$$

$L_{Ai}$ —

A

n—

2

6.4-2

		37.21	46.81	65	
		37.21	46.81	55	
		41.51	46.51	65	
		41.51	46.51	55	
		41.81	47.15	65	
		41.81	47.15	55	
		40.52	45.80	65	
		40.52	45.80	55	

GB12348-2008 3

200m

EU TPV

6.5-1

		t/a	t/a		
		519	363.3	155.7	
		22	15.4	6.6	
		557	389.9	167.1	
		82	57.4	24.6	
		113	79.1	33.9	
		114	79.8	34.2	
		103	72.1	30.9	
		70	49	21	

	EU	11	7.7	3.3	
	TPV	6	4.2	1.8	
		5.5	3.85	1.65	
		1	0.7	0.3	

2021

UV

6.5-2

				t/a	t/a								
1		HW08	900-249-08	7.5	5.25	2.25						1	T
2			900-217-08	3	2.1	0.9						1	T I
3		HW09	900-006-09	46	32.2	13.8							T
4			900-007-09	1	0.7	0.3							T
5		HW12	900-252-12	200	160	40							T I
6		HW17	336-064-17	30	21	9							T/C
7		HW06	900-404-06	0.5	0.35	0.15							T I R
8	16-18L	HW49	900-041-49	66	46.2	19.8							T/In
9	200L		900-041-49	5	3.5	1.5							
10			900-041-49	24	16.8	7.2							
11			900-039-49	11	7.7	3.3						3	T
12		HW13	900-014-13	1	0.7	0.3							T
13		HW31	900-052-31	3	3	0						3	T C

14	UV	HW29	900-023-29	0.06	0.04	0.02					3	T	
15		HW50	772-007-50	1.5	1.2	0.3					3	T	

## GB18579-2001

1

HJ169-2018

2

6.6-1

	CAS	t	t	Q
	108-88-3	10	1	0.10
	1330-20-7	10	4	0.40
	7697-37-2	7.5	0.7	0.09
	7664-39-3	1	0.21	0.21
	7664-93-9	10	0.14	0.014
				0.814

Q 1

HJ169-2018

3

HJ169-2018



## 6.6-2

	m		
	200	N	
	480	SE	
	1300	NE	
	1400	N	
	1700	N	
	2300	NW	
	1900	NW	
	1600	SE	
	2000	SE	

CAS 108-88-3 C7H8

0.866 -95 110.6 1.4967 4.4  
1.2% 7.0%

5000mg/kg

CAS 1330-20-7 C8H10

0.9±0.1  
g/cm<sup>3</sup> 145.9±10.0 °C at 760 mmHg -34 °C 32.2 °C 1.500  
7% V/V 1.1% V/V

	CAS	7697-37-2	HNO <sub>3</sub>	
-42		86	63.01	1.5

	CAS	141-78-6	H <sub>2</sub> SO <sub>4</sub>	10.36
--	-----	----------	--------------------------------	-------

		75%	;	98.3V
--	--	-----	---	-------

1

2

“ ”

3

“ ”

4

“119”

1

“

”

2

“ ”

HJ169-2018

/

6.6-3

1		
2		
3		
4		
5		
6		

7		
8		
9		
10		
11		

a. CO

f p 1000 \$ 0° 09 10NF`CS

b • \$

\$ VP@ U D DEU — \$ × (SPEQ@ U D Q D Q

c.

d.

e.

24

a.

b.

c.



3

4

6.6-4

	70			
		115°29'6.4"		39°02'45.9"

	<ol style="list-style-type: none"><li>1</li><li>2</li><li>3</li><li>4</li><li>5</li><li>6</li></ol> <ol style="list-style-type: none"><li>1</li><li>2</li><li>3</li><li>4</li></ol> <ol style="list-style-type: none"><li>1</li><li>2</li><li>3</li><li>4</li></ol>

1

2

3

HJ964-2018

A

—

“

”

GB36600-2018

1

1

2

3

100d 1 2 10

4

COD SS

0.144kg/L

0.076kg/L

0.15mg/cm<sup>3</sup>

5

-

HJ964-2018

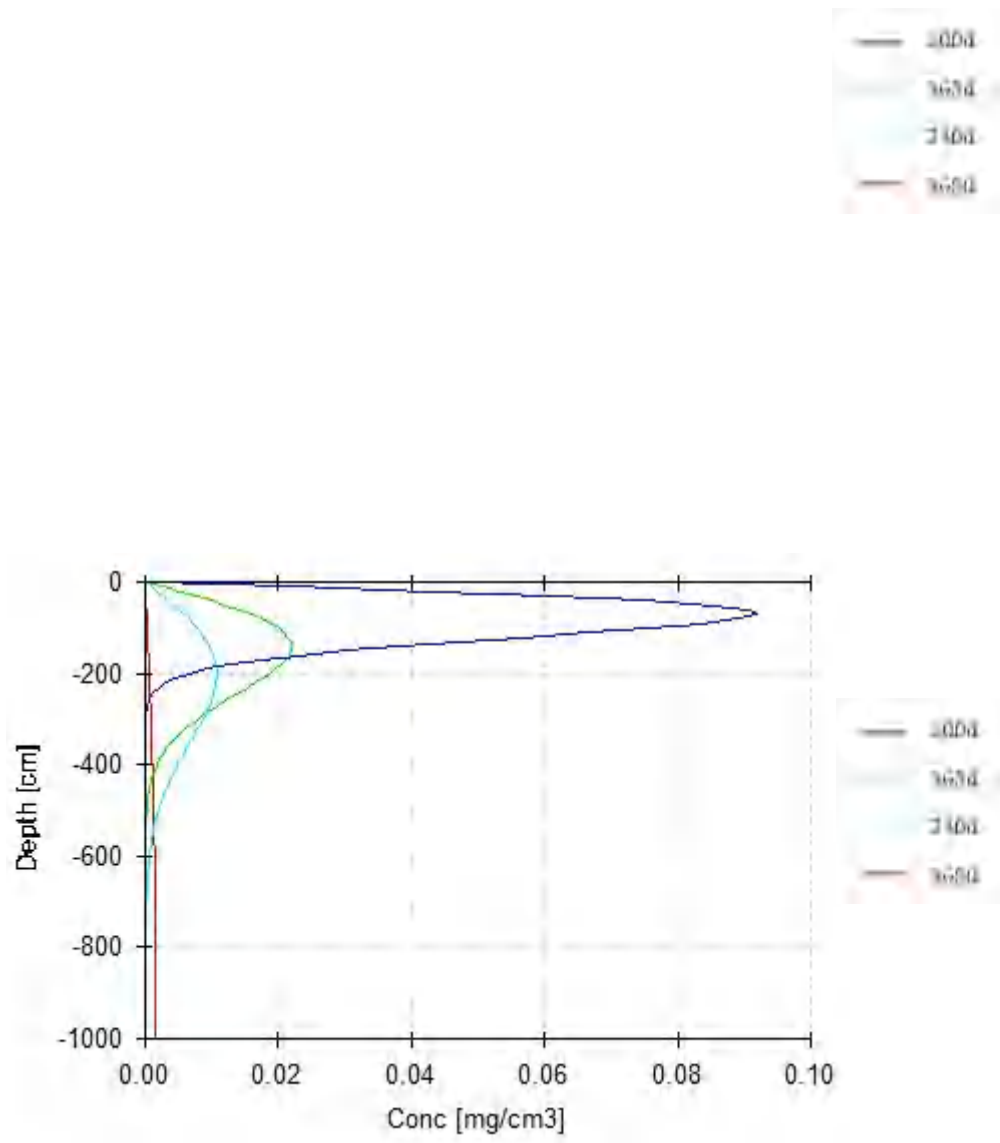
10m

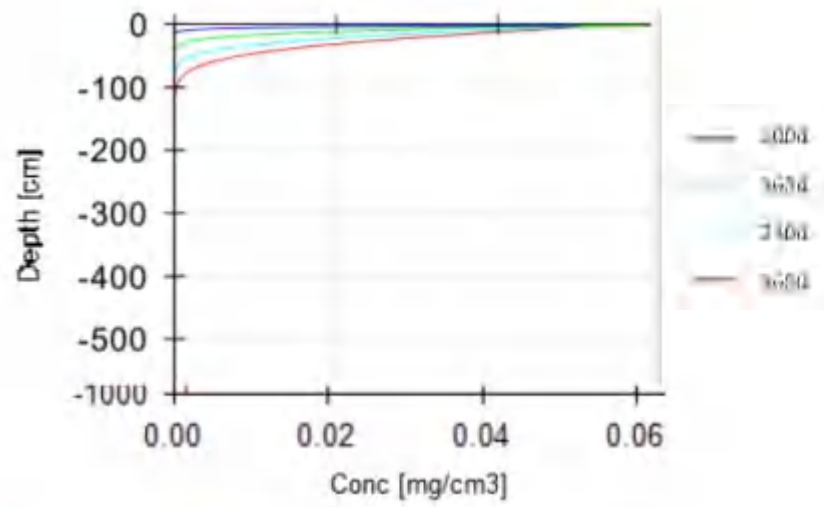
10m

HYDRUS-1D

6







	100d	0.18mg/cm <sup>3</sup>	116.88mg/kg	365d
	0.045mg/cm <sup>3</sup>	29.22mg/kg	730d	0.0225mg/cm <sup>3</sup>
14.61mg/kg	3650d	0.005mg/cm <sup>3</sup>	3.25mg/kg	100d
	0.092mg/cm <sup>3</sup>	59.74mg/kg	365d	0.022mg/cm <sup>3</sup>
14.29mg/kg	730d	0.01mg/cm <sup>3</sup>	6.49mg/kg	3650d
	0.002mg/cm <sup>3</sup>	1.30mg/kg		
		7300d		

GB36600-2018 1200mg/kg  
 + 570mg/kg 640mg/kg

GB36600-2018

6.7-4

				5.1972 hm <sup>2</sup>
				--
			a) b) c) d)	
				9
			1	2
			3	/
				0~0.2m 0~0.5m 0.5~1.5m 1.5m~3.0m
			GB36600-2018	45 pH
			GB15618 GB36600	D.1 D.2
				GB36600-2018
			E	F
				/
				a) b) c)



---

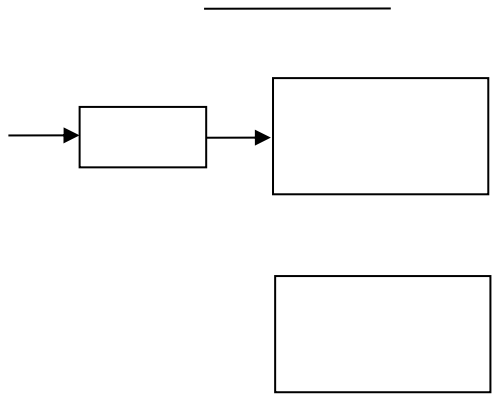
		a) b)		
		/	/	/
		/		

1

10m<sup>3</sup>/h

7.1-1

9



o

a

”

n

h

20 80

,—

7.1-1

	m <sup>3</sup> /d	CODmg/L	mg/L	mg/L
	20	10	154.5	/
	280	46	/	300
		43.6	10.3	280

		43.6	10.3	280
	%	/	/	/
		43.6	10.3	280
		43.6	6.2	11.2
	%	/	40	96
		43.6	6.2	11.2
		43.6	4.3	0.9
	%	/	30	92
		43.6	4.3	0.9
		43.6	4.3	0.9
	%	/	/	/
		43.6	4.3	0.9
		43.6	3.9	0.9
	%	/	10	20
		80	10	1.0

800m<sup>3</sup>/d

GB27632-2011 2

840m<sup>3</sup>/d720m<sup>3</sup>/d45m<sup>3</sup>/d

GB8978-86

2

1

3

1 $\mu$ m

100g/m<sup>3</sup>

YRJC/211157

3.0mg/m<sup>3</sup>

GB16297 1996 2

2

90% + ( )+  
25m 80% 50000m<sup>3</sup>/h

YRJC/211157

2.6mg/m<sup>3</sup>

GB16297-1996 2

0.0300mg/m<sup>3</sup> 0.488mg/m<sup>3</sup> 3.33mg/m<sup>3</sup>

GB 27632-2011 1

2

- + 90% +

95%

---

a		100			
b					
	-10	~50		40	RH 50%
c					
					120%
d					
e					
					F7
					<1mg/m <sup>3</sup>
f				1	5000
				1	Nm <sup>3</sup> /h
					4.6
					2.3m <sup>2</sup>
m <sup>2</sup>					
g				5mm	1200m <sup>2</sup> /g
					0.8MPa
	800mg/g			0.3MPa	
		750m <sup>2</sup> /g	800mg/g		
h					1.2m/s
	2.5kpa				1%
	1mm				

---



i VOCs  
70%

j 70  
GB50140 GB50016

2

1

7.2-1

**表 7.2-1 鐵路各站地理行車時間表**

站名	行車時間 (分鐘)			
	往 廣州	往 汕頭	往 廈門	往 福州
廣州	0	100	150	200
汕頭	100	0	50	100
廈門	150	50	0	50
福州	200	100	50	0
...	...	...	...	...

7.2-1

90%

(GB16297-1996)

(HJ971-2018)

2

+RTO

RTO

304

G4

F7

F9

RTO (Regenerative Thermal Oxidizer,

RTO)

(VOCs)

RTO

99%

95%

RTO

760

( )

VOC

" " " "

( )

-

-

" "

( VOC 98% )

" "

VOCs

RTO VOCs

95%

DB13/2322-2016 1

(HJ971-2018)

" +RTO"

1

2

3

4

GB12348-2008 3

EU TPV

EU TPV

16-18L

200L

1

203m<sup>2</sup>

188.56m<sup>2</sup>

1

GB18599-2001

1

2

3

4

5

b

2

GB18597-2001

HW08

2mm HDPE

"

"

6

"

"

"

"

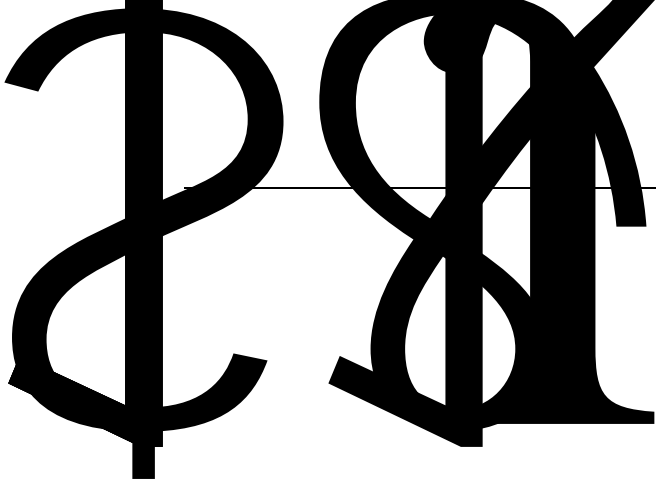
3

1

GB 18597-2001

2

3



- 1 “ ”
- “ ”
- 2
- 3 “ ”
- “ ”

- HJ610-2016 7

1



1

2

3

25800

25%

4

8.3-1

		%
25800	1088	4.22

100%

3

1

1

2

3

4

5

6

“ ”

7

8

9

10

9.1-1 9.1-2

1			11263m <sup>2</sup>	10929m <sup>2</sup>
			20068m <sup>2</sup>	18062m <sup>2</sup>
				1
2				
2.1				+25m
				+25m
				+ +25m
				+ +25m
				+ + +25m +UV + +25m
				+ + +25m
				+RTO+25m
				760
2.2				
				218
2.3				
				80
2.4				EU TPV

		UV	
		30	
3			
	1-4#	9.3mg/m <sup>3</sup>	1.008t/a
			GB16297-1996
		0.2mg/m <sup>3</sup>	0.072t/a
		6.26mg/m <sup>3</sup>	1.894t/a
		2.867mg/m <sup>3</sup>	1.030t/a
	5# 6#	1.43mg/m <sup>3</sup>	0.515t/a
		GB16297-1996	NMHC
3.1		DB13/2322-2016	1
		2.35mg/m <sup>3</sup>	0.675t/a
		5.14mg/m <sup>3</sup>	
	7#		



				GB14554-1993 1								
3.2					COD SS		TN TP		LAS			
					COD 200mg/L SS 100mg/L		20mg/L TN30 mg/L TP3 mg/L		10mg/L			
					LAS 10mg/L							
					GB27632-2011 2							
3.3					A							
					GB12348-2008 3							
					65dB A		55dB A					
3.4					GB18599-2020							
					GB18597-2001		2013		36			
4												
4.1			VOCs		SO <sub>2</sub>	NO <sub>x</sub>		H <sub>2</sub> S	COD	NH <sub>3</sub> -N		
4.2		t/a	18.964	6.095	1.197	4.552	0.952	0.001	6.047	0.728		
4.1			TN		TP							
4.2		t/a	1.168		0.079			0.032		0.341		

1			10929m <sup>2</sup>	
			11263m <sup>2</sup>	
			20068m <sup>2</sup>	
			18062m <sup>2</sup>	

				1
2				
2.1				+25m
				+25m
				+ +25m
				+ +25m
				+ + +25m +UV + +25m
				+ + +25m
				+RTO+25m
				760
2.2				
				218
2.3				
				80
2.4				EU TPV
				UV
				30
3				



3.1

				55.54mg/m <sup>3</sup>	8.798t/a
				GB16297-1996	NMHC
				DB13/2322-2016	1
		12#		14.38mg/m <sup>3</sup>	0.828t/a
				2.22mg/m <sup>3</sup>	0.124t/a
				GB16297-1996	
				NMHC	
				1.17mg/m <sup>3</sup>	0.003t/a
			NMHC	10mg/m <sup>3</sup>	
				0.9kg/h	
				/	
		13~15#		GB27632-2011	5
				GB14554-93	2
				H <sub>2</sub> S	
				0.061kg/h	0.439t/a
				0.065t/a	0.234kg/h
				0.030kg/h	0.219t/a
				0.258t/a	0.342kg/h
				H <sub>2</sub> S	0.001kg/h
				0.008t/a	
				DB13/2322-2016	2
				NO <sub>x</sub>	
				GB16297-1996	2
				GB14554-1993	1
				COD	SS
				TN	TP
				LAS	
				COD	200mg/L
				SS	100mg/L
				20mg/L	TN30 mg/L
				TP3mg/L	10mg/L
				LAS	10mg/L
				GB27632-2011	2
3.2					

3.4			GB18599-2020						
			GB18597-2001	2013	36				
4									
4.1		VOCs		SO <sub>2</sub>	NO <sub>x</sub>		H <sub>2</sub> S	COD	NH <sub>3</sub> -N
4.2	t/a	20.013	6.329	1.197	4.552	0.952	0.001	6.047	0.728
4.1		TN		TP					
4.2	t/a	1.168		0.079		0.032		0.341	

1

2

TV#A

HJ819-2017  
(HJ1122-2020)

9.2.1

1

9.2-1 9.2-2

9.2-3

				GB16297-1996 2
				GB16297-1996 2
				GB16297-1996 2
		SO <sub>2</sub> NO <sub>x</sub>		DB13/1640 -2012 1 2  2019 56
	( )+			DB13/2322-2016 1
	+			GB14554-93 1 2
			/	GB27632-2011 5
				GB16297-1996 2

	+		/	DB13/2322-2016 1 2 2 3 GB16297-1996 2
			4 /	
			6	
	+RTO		/	
			4 /	
			6	

4			DB13/2322-2016 2
	NO <sub>x</sub>		GB16297-1996 2
			GB14554-1993 1

1	PM <sub>10</sub>		HJ2.2-2018 • D
		pH	GB14848-2017
			5

2

9.2-4

	pH COD		GB27632-2011 2
	SS BOD <sub>5</sub> TN TP		GB27632-2011 2

3

9.2-5

1	1m Leq A		GB12348-2008

9.3-1 9.3-2

	1-4#		+25m	GB16297-1996 2	5 2 +
	12#		+25m		/
	8# 9# 10#	SO <sub>2</sub> NO <sub>x</sub>	+ +25m	DB13/1640 -2012 1 2 2019 56	/
	5# 6#		+25m +	DB13/2322-2016 1	2 +UV + +15 + +
	13# 14#		+ + +25m	5 GB27632-2011 2 GB14554-93	/
	7#		+ +		/

			+25m	DB13/2322-2016 1	
	11#		+RTO+25m		/
		pH COD SS		GB27632-2011 2	/
		COD SS			/
				GB12348-2008 3	/
		EU TPV			/
		UV			/
					/



1-4#					+25m					
	12#				+25m			GB16297-1996	2	
								DB13/1640 -2012	1	2
8#	9#	10#	SO <sub>2</sub>	NO <sub>x</sub>	+	+25m				
								2019	56	
		5#						GB16297-1996	2	
6#					+	+25m		DB13/2322-2016		1
	13#				+	+25m				
								GB27632-2011		5
	14#				+UV	+25m				
								GB14554-93		2
	7#				+	+25m				
								GB16297-1996	2	
	11#					+RTO+25m				
								DB13/2322-2016		1
	15#				+	+25m				
								GB27632-2011		5

---

GB14554-93 2

GB16297-1996 2

---

pH COD SS

GB27632-2011 2

---

COD SS

---

GB12348-2008 3

---

TPV EU

---

UV

---

1

1

70

2

3

4

5

51971.50m<sup>2</sup>( 77.96 )

6

48336m<sup>2</sup>( 91200.00m<sup>2</sup>)

10944.00m<sup>2</sup>

18062m<sup>2</sup>

20068m<sup>2</sup>

2

115°29'6.4"

39°02'45.9"

3

1

9803.27m<sup>3</sup>/d

2940981m<sup>3</sup>a

376.02m<sup>3</sup>/d 112806m<sup>3</sup>a

9187.25m<sup>3</sup>/d

2756175m<sup>3</sup>/d

2

103314m<sup>3</sup>/a  
1m<sup>3</sup>/d  
270.09m<sup>3</sup>/d  
18.29m<sup>3</sup>/d  
45m<sup>3</sup>/d  
344.38m<sup>3</sup>/d  
10m<sup>3</sup>/d

2

3

10KV  
2 2500KVA 1000 KVA 2000 KVA 1  
8808KW 1634.304 kW·h

PM<sub>10</sub> PM<sub>2.5</sub> NO<sub>2</sub> O<sub>3</sub>  
TSP

GB3095-2012  
(DB13/157-2012)

HJ2.2-2018 D

1

GB/T14848-2017

III

GB3096-2008 3

1

GB36600-2018

1

4 25m GB16297 1996  
2  
2

25m

25m  
(GB16297-1996) 2 25m  
3  
+ ( )+ 25m

DB13/2322-2016 1  
GB16297 1996 2  
4

25m SO<sub>2</sub> NO<sub>x</sub>  
DB13/1640-2012 1 2  
2019 56 SO<sub>2</sub> NO<sub>x</sub>  
DB13/1640 -2012 1 2

[2019]607  
5

2011-7

“ ”

25m

GB27632-2011

0.177kg/h 1.277t/a 8.05mg/m<sup>3</sup>  
14.91mg/m<sup>3</sup>  
DB13/2322-2016 1  
7  
924.741 m<sup>3</sup> SO<sub>2</sub> NO<sub>x</sub>  
0.343t/a 1.362t/a 0.120t/a 3 25m  
SO<sub>2</sub> NO<sub>x</sub> 37.091mg/m<sup>3</sup>  
147.284mg/m<sup>3</sup> 12.98mg/m<sup>3</sup> SO<sub>2</sub> NO<sub>x</sub>  
DB13/1640-2012 1 2  
2019 56  
8  
24  
1281.75 “ +UV + ” 25m  
1 “ +UV + ”  
25m “ +  
+ ” 25m  
(GB16297-1996) 2  
25m  
GB27632-2011 5  
GB14554-93 2  
(GB16297-1996) 2  
25m  
2

840m<sup>3</sup>/d

720m<sup>3</sup>/d

45m<sup>3</sup>/d

GB8978-86

3

GB12348-2008 3

4

EU

TPV

16-18L

200L

1

384



51971.5m<sup>2</sup>

130696201800004

1

2019

2015

[2015]7

2

“

2003

[2003]23

2004

[2003]23

“

”

3

2021 19

“ ”

1

2 “ ”

3