

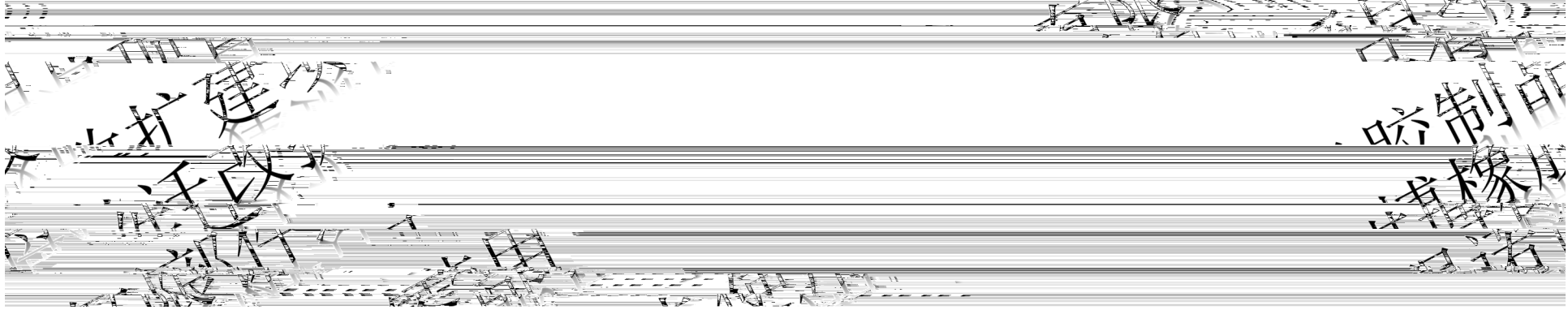








有限公司 环



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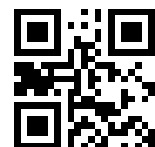
8

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)









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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
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4.4	.....	122
5	.....	142
6	.....	143
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6.2	.....	156

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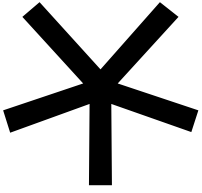
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8.4	.....	208
9	.....	208
9.1	.....	209
9.2	.....	217
9.3	.....	220
10	.....	225
10.1	.....	225
10.2	.....	232



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



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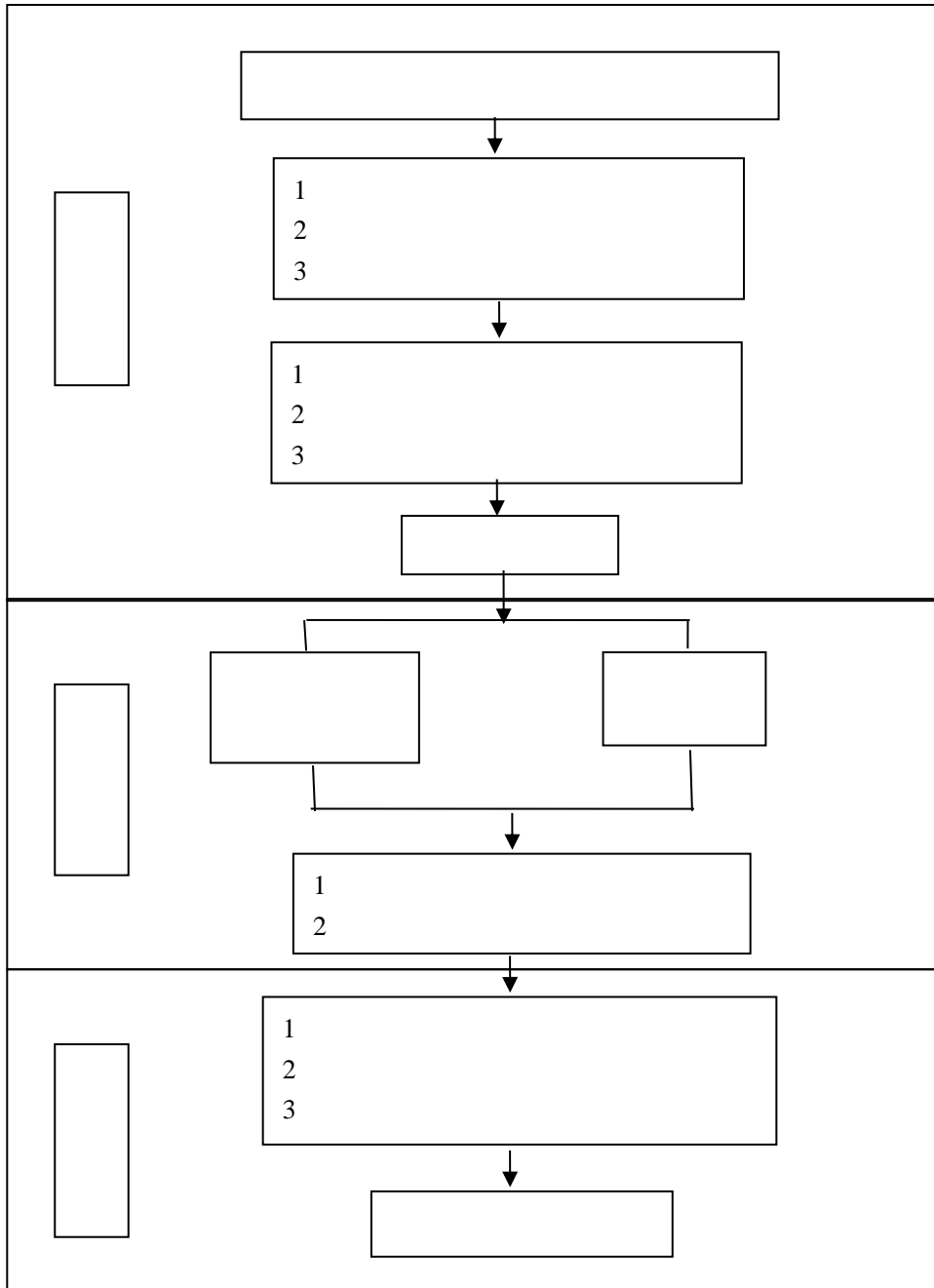
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1.3-1



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			

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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

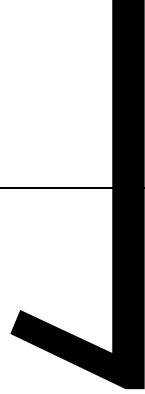
1.4-3

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



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VOCs

VOCs



11



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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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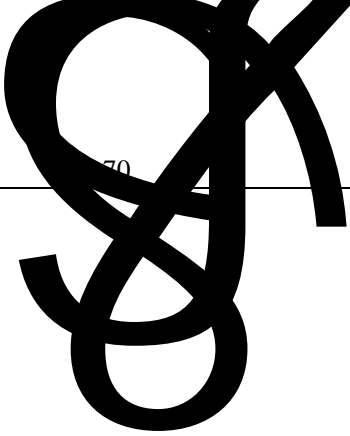
1

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

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2017

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15

[2016]150 2016 10 26

16 2021 1 1

17 “ ”

[2016]95 2016 7 15

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[2015]178 2015 12 30

19 < >

[2015]169 2015 12 18

20 34 2015 4

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[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

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[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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[2011]114 2011 10 8  
13 [2008]10  
2008 1 18  
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[2017]48 2017 11 20  
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[2014]283 2014 9 24  
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[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  
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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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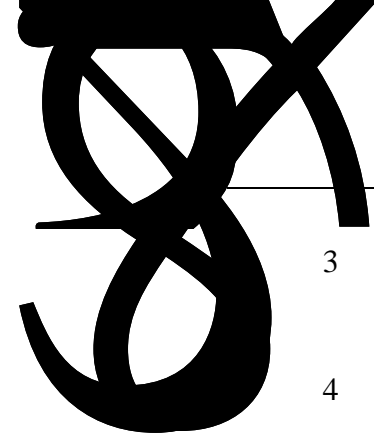
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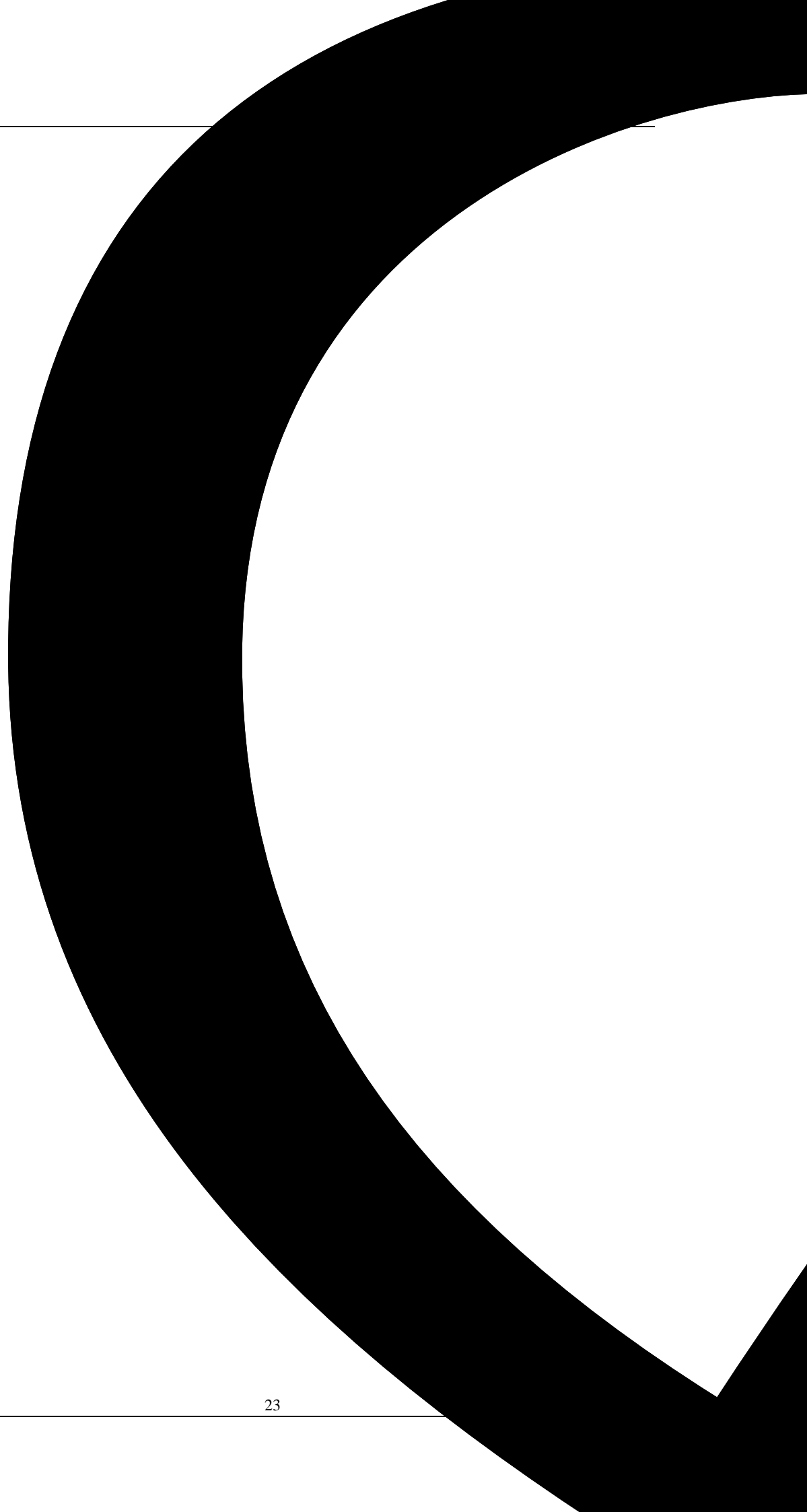


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		/	/	/	/	/
		/	/	/	-1D	/
		-1L	/	/	-1L	/
		-2L	-1L	-1L	-1L	-1L

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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)
		H <sub>2</sub> S	(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

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HJ610-2016 2

2.4-3

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(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>	

70

Leq

65dB A  
55dB A



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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

			+		+15m
			+		+15m
			+15m	+	+
			+15m	+UV	+
			+15m		+
			15m		
			15m		
			15m		
			+15m	+	+
			+15m	;	
			+	+15m	+
			+15m	+	+
			+15m	+	+
			+15m	+	+
2	BB305	BB305	+	+EPA	+
			+29m		
2	75L	BB305	2	75L	+
			+	+26m	+
1	BB305+1 90E		+	+	
			+EPA(	+	)+ 29m
			+	+	
			+	+ 26m	
			238m <sup>2</sup>		
				16-18L	200L

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			

/

---

---

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	

---

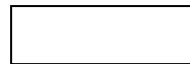
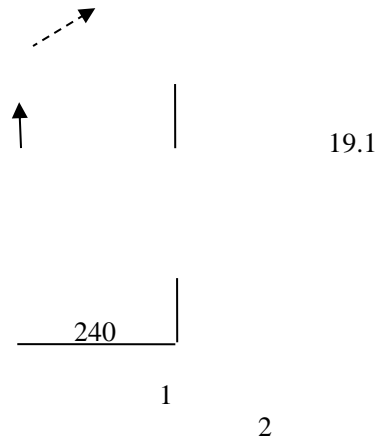
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3

3.1-6

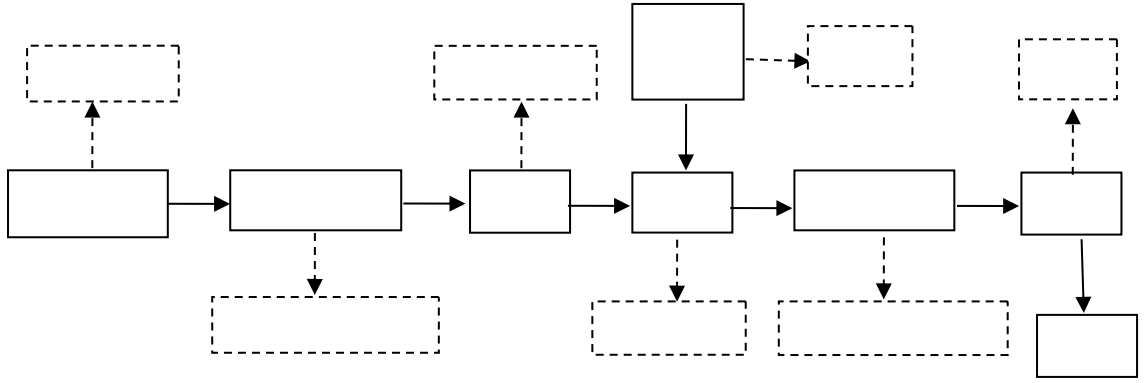
3.1-1

		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





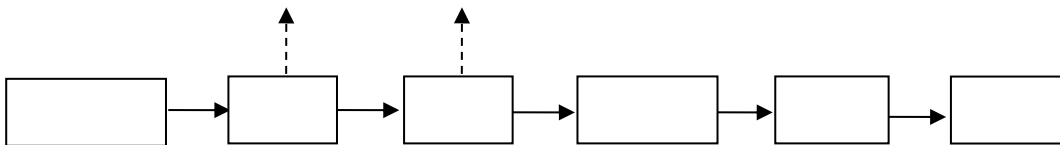




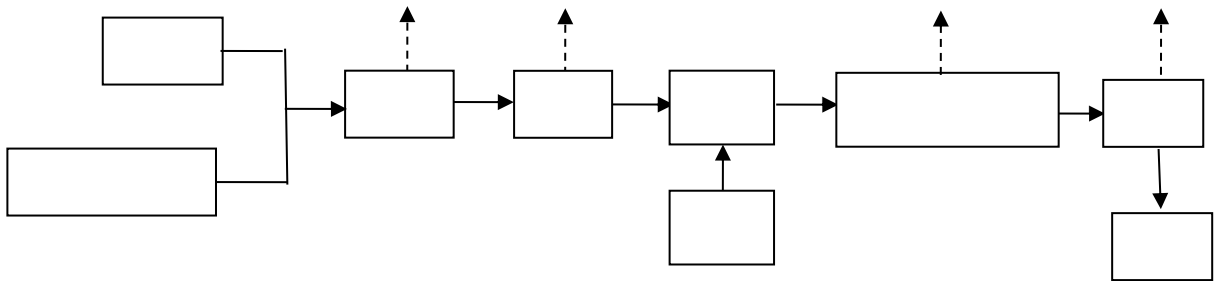
2

F2

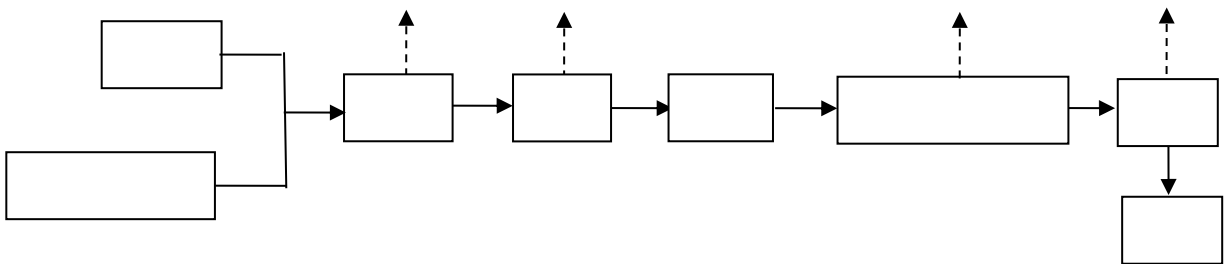
3.1-3



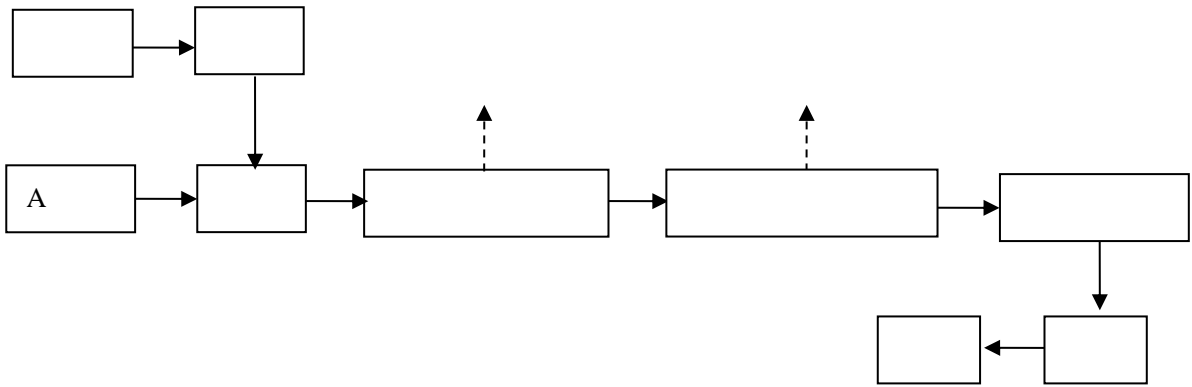
3.1-4



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 2, 200m 10m

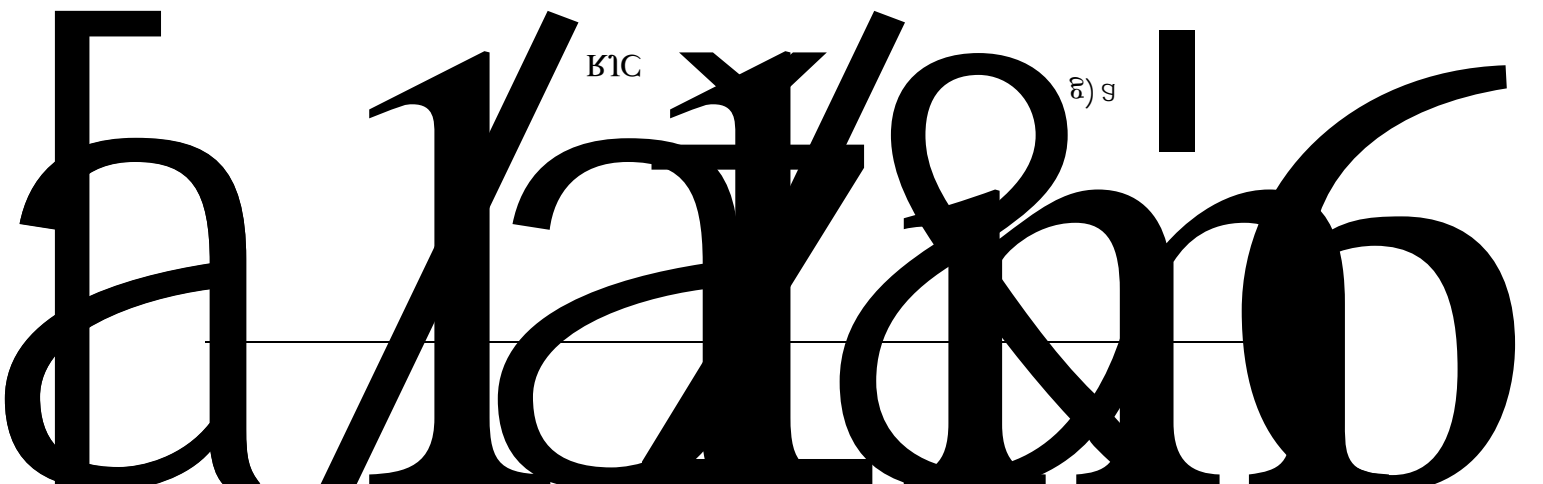
YRJC/211157

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>

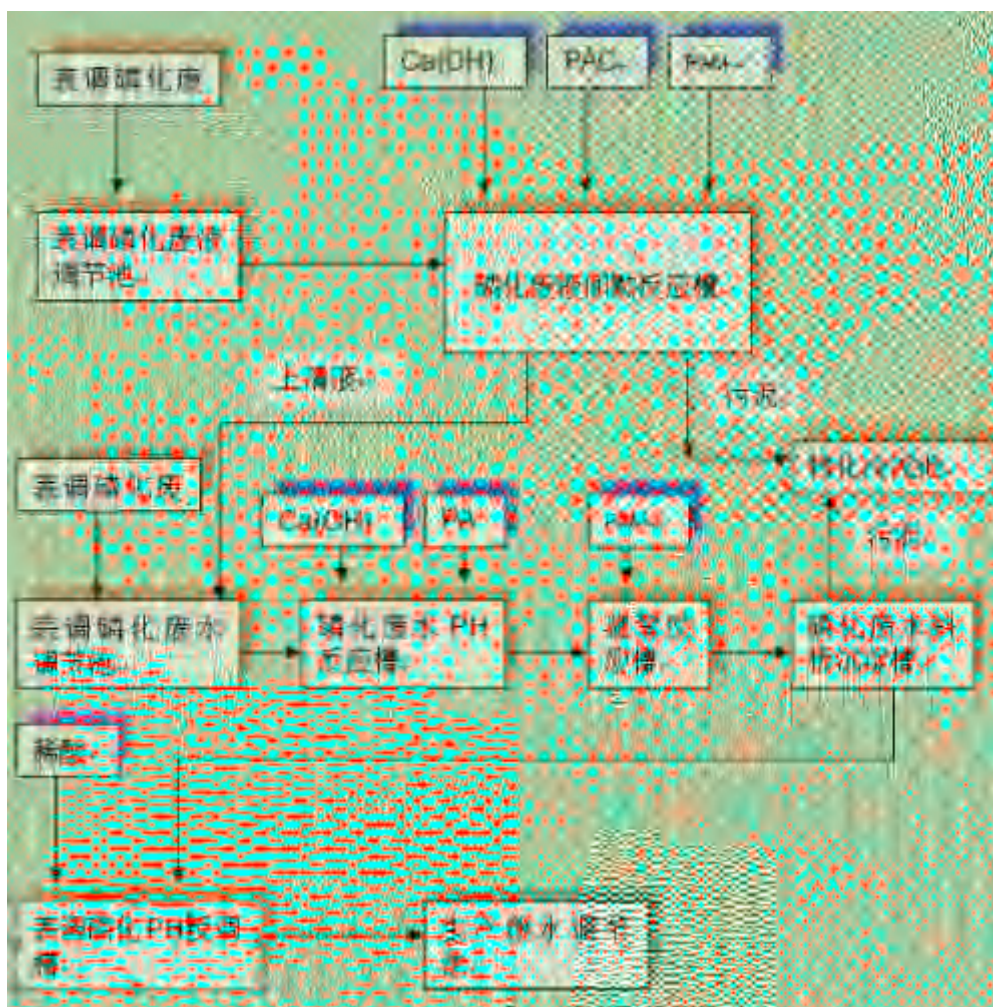
2.19mg/m<sup>3</sup> 8.373mg/m<sup>3</sup>

	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

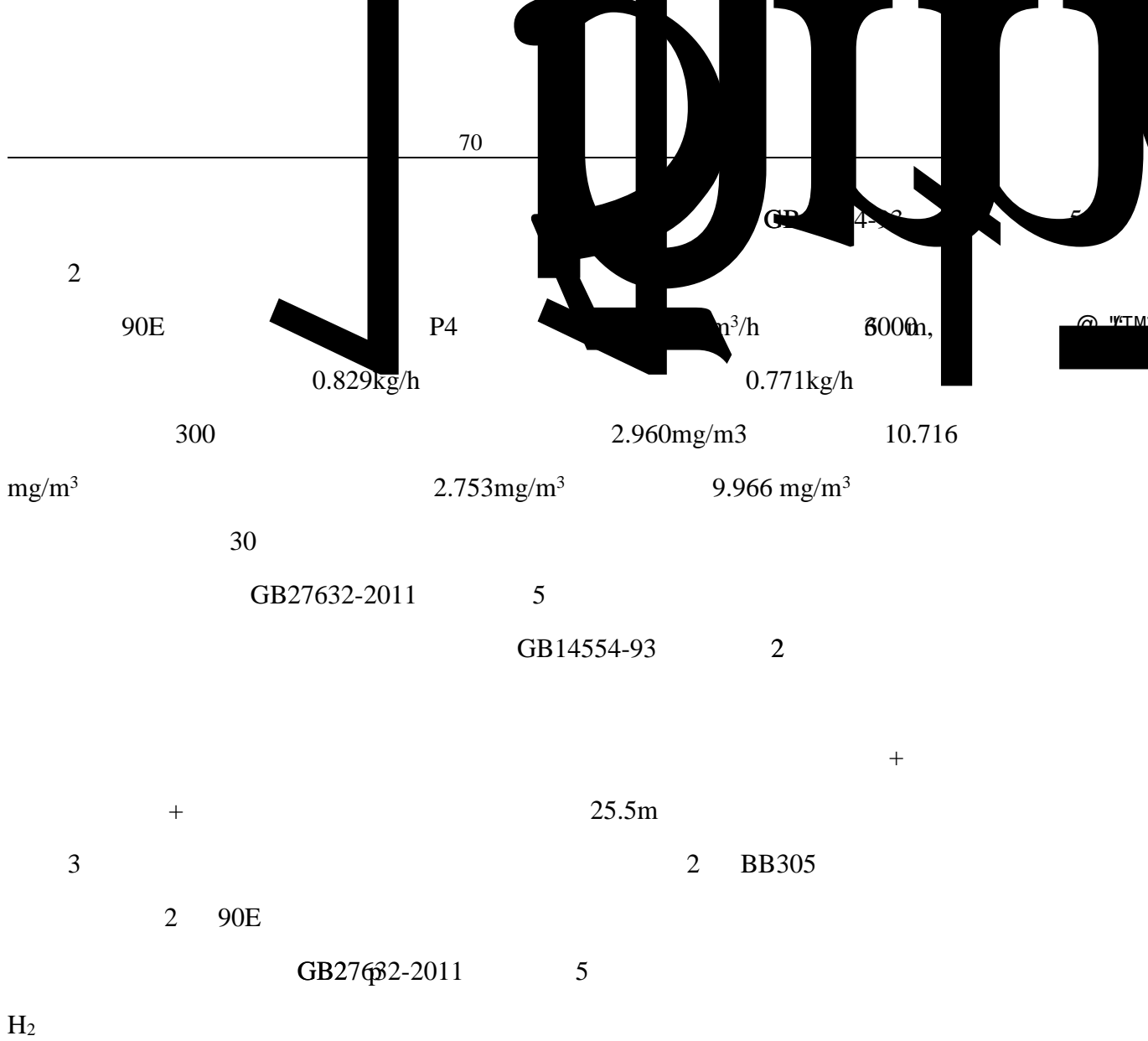
3.17

1

1

F2





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
			8808KW
		1634.304    kW·h	

1#

70

		UV
--	--	----

11263m<sup>2</sup>

10929m<sup>2</sup>

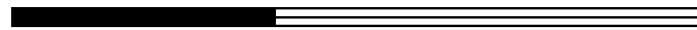
20068m<sup>2</sup>

18062m<sup>2</sup>

1

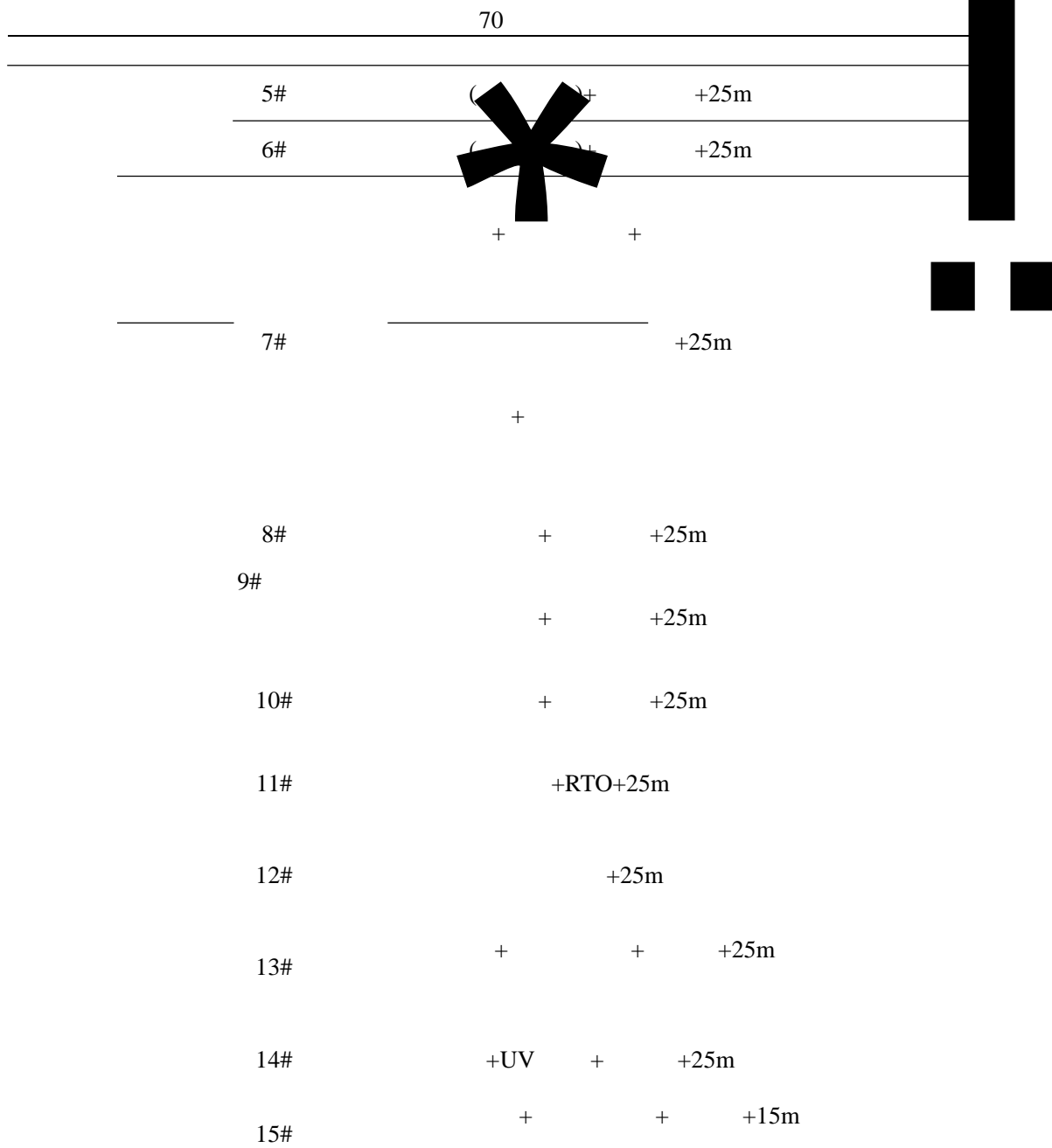
10KV

{ ၉+၉ }:



1922

5



/

EU TPV

		UV	
--	--	----	--

---

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

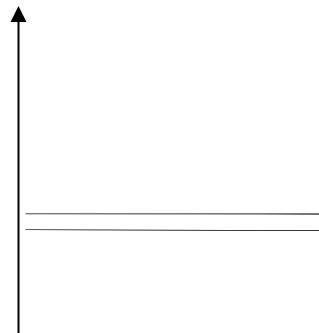
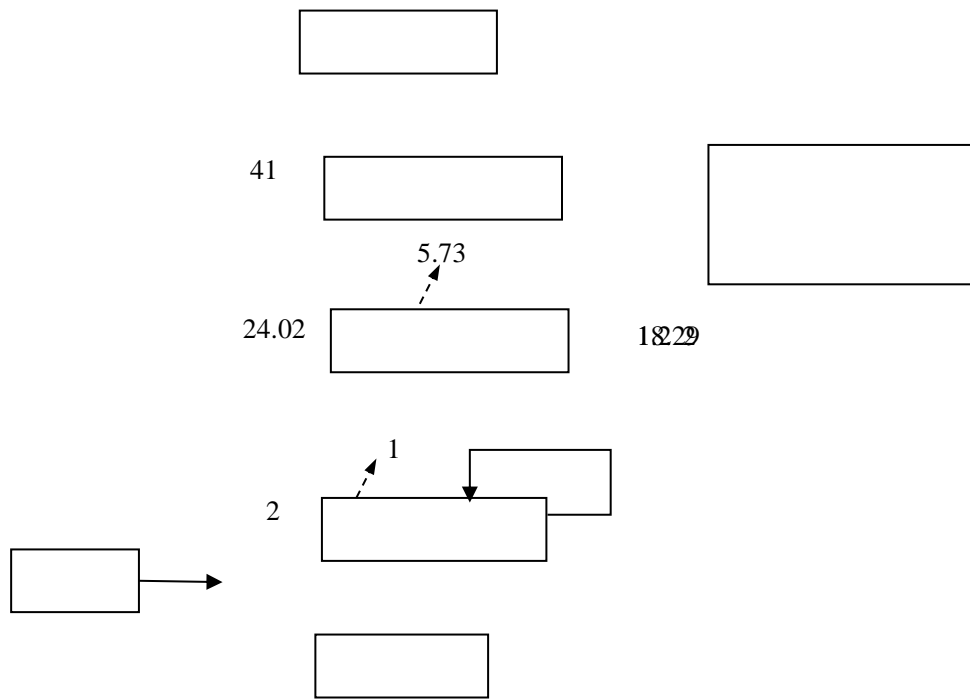
18.29m<sup>3</sup>/d

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

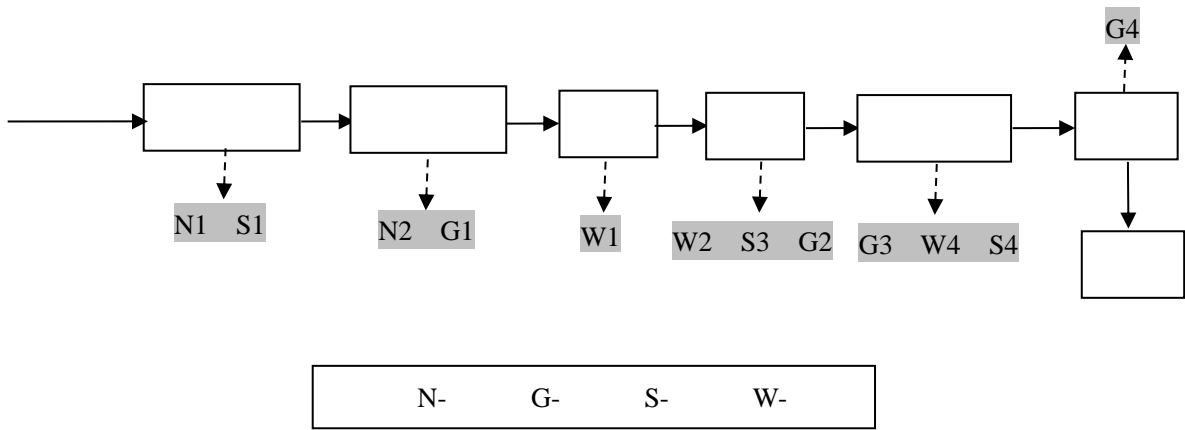


10KV

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

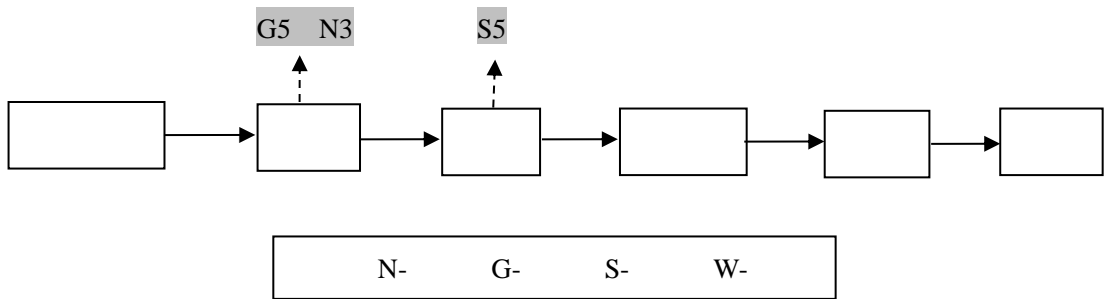
1

3.2-2



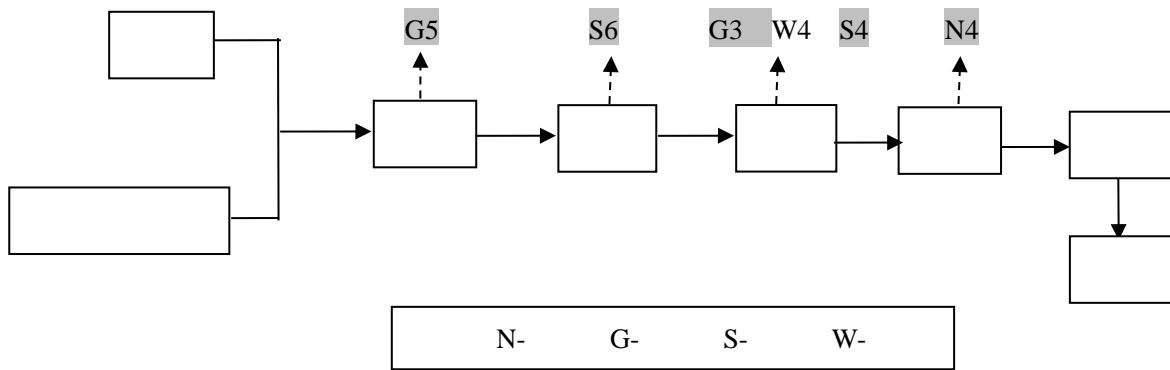
2

3.2-3





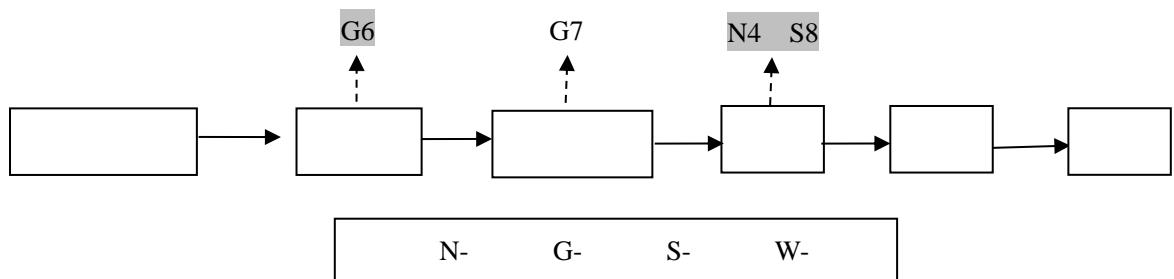
3.2-4



3

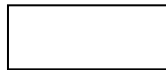
/

3.2-6



5

3.2-7



3

3 4 5

(

110 )

4

3 2

+

15min

30min

15min

+

15min

+

15min

30min

15min

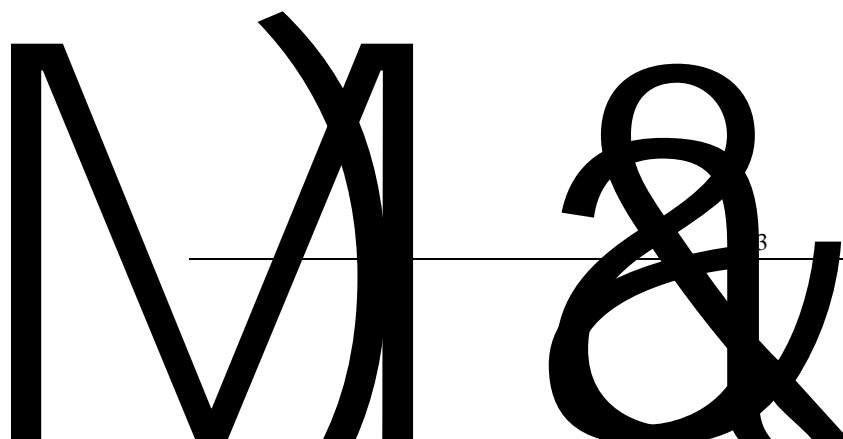
5

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     $\varphi$                                       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>

&



0

AN

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>

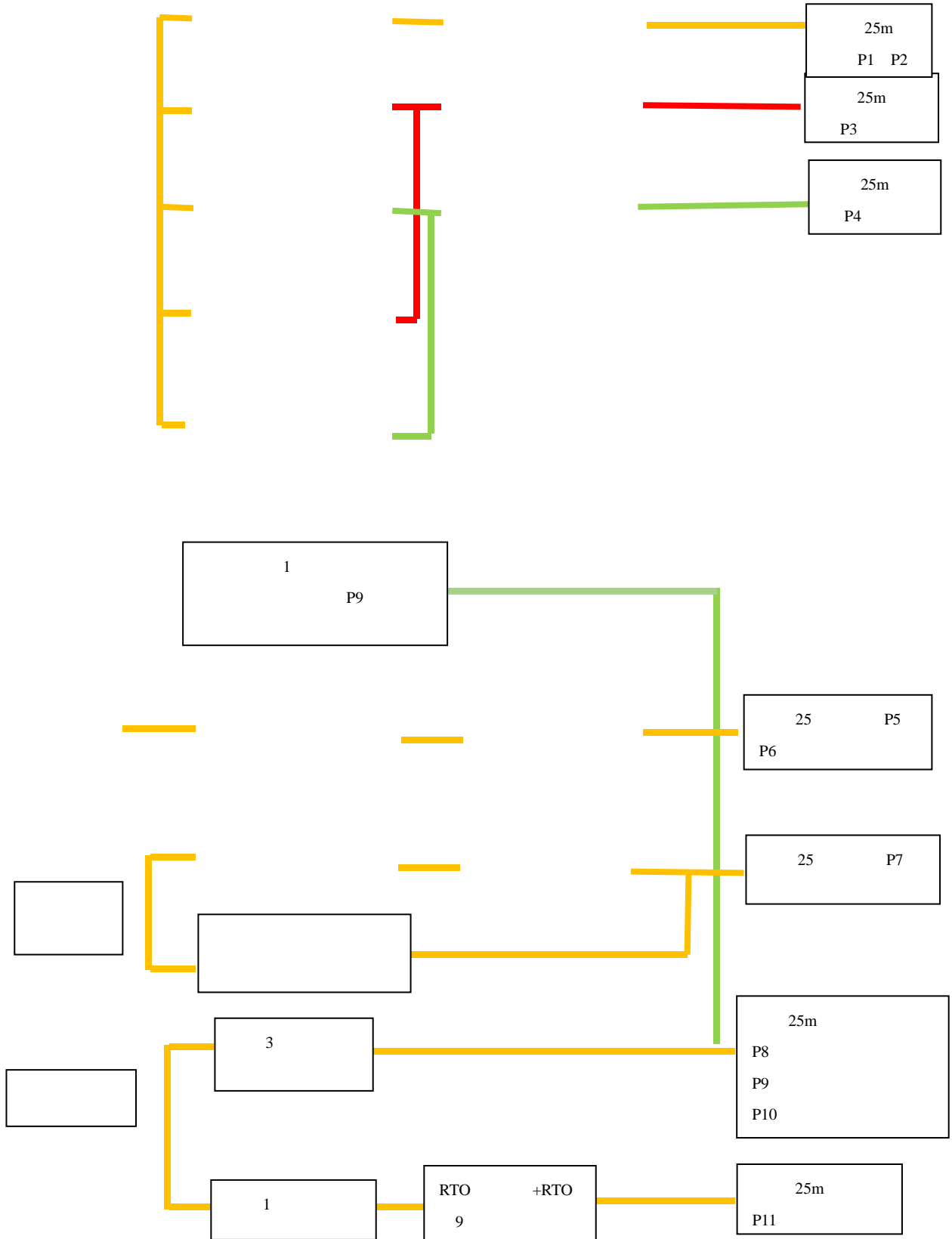
GB27632-2011

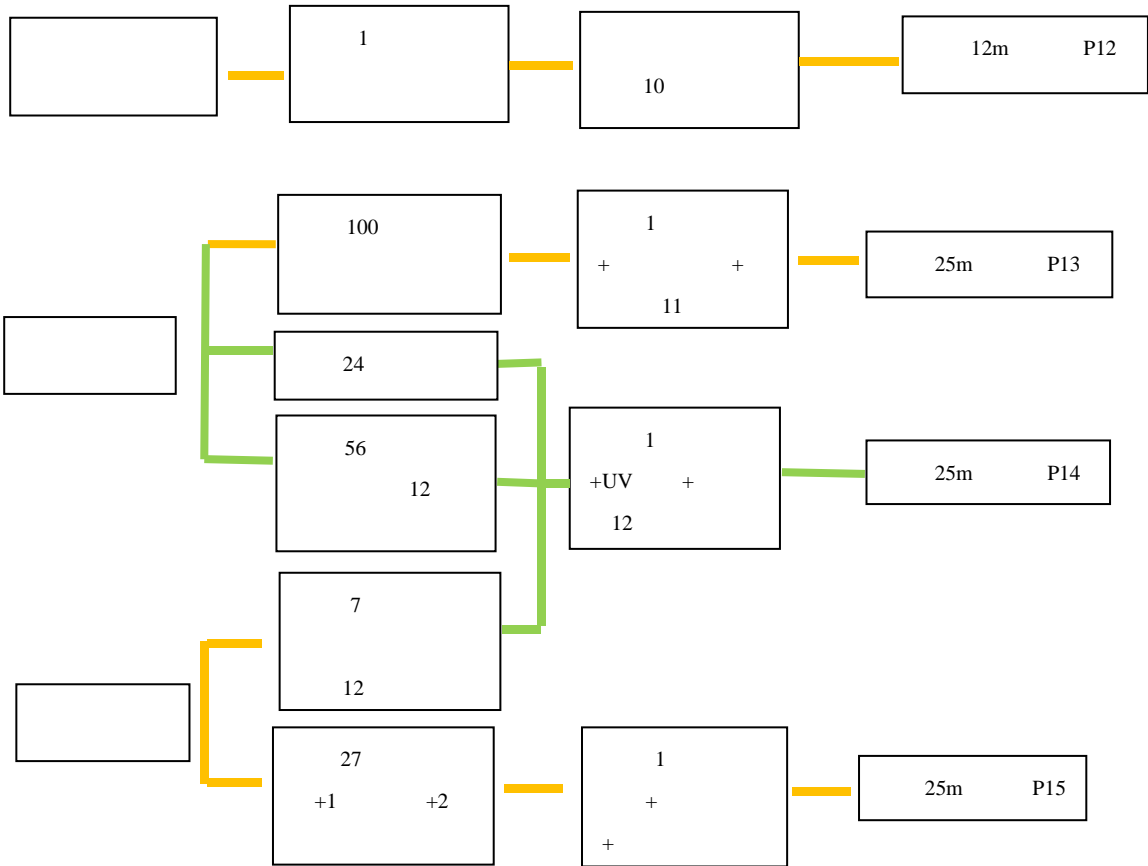
5



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	+		80%
			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#		924.741		0.192	1.384	147.284	+	+25m	/		
			SO <sub>2</sub>		0.048	0.343	37.091						
		11#		22000		0.189	1.362	147.284	+RTO+25m		95%		
					0.114	0.821	5.18						
		12#		8000		0.151	1.084	6.86				+25m	90%
					0.177	1.277	55.54						
		13#		1068.2 m <sup>3</sup> /a		1.222	8.798	12.993	+	+	80%		
					0.115	0.828	14.38						
		14#		256.90 m <sup>3</sup> /a		0.017	0.124	2.22	+UV	+	+25m	90%	
					0.013	0.092	8.61						
	0.0001		0.0008		0.075								
	/		/		/								
									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>		0.048	0.343	37.091	11#							
			NO <sub>x</sub>		0.189	1.362	147.284								
		11#		22000		0.114	0.821	5.18	12#	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	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	+	+	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 30m<sup>3</sup>/d pH 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

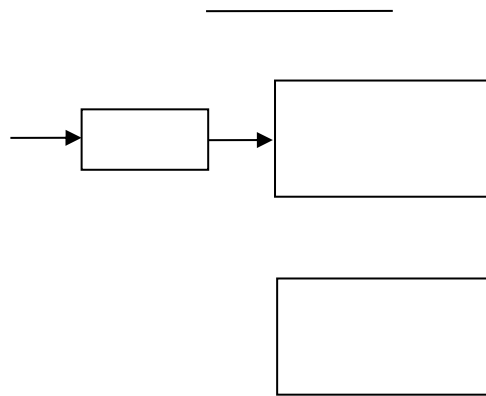
10m<sup>3</sup>/h

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

5

"

1

GB3095-2012

2      š

GB3096-2008

3

GB3096-2008 3

3      c\€      p

6 GB3838-2002      ž      a      "

GB3838-2002      "      6  
6

€

B3802-5015

				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

Ci — i mg/L

Csi — 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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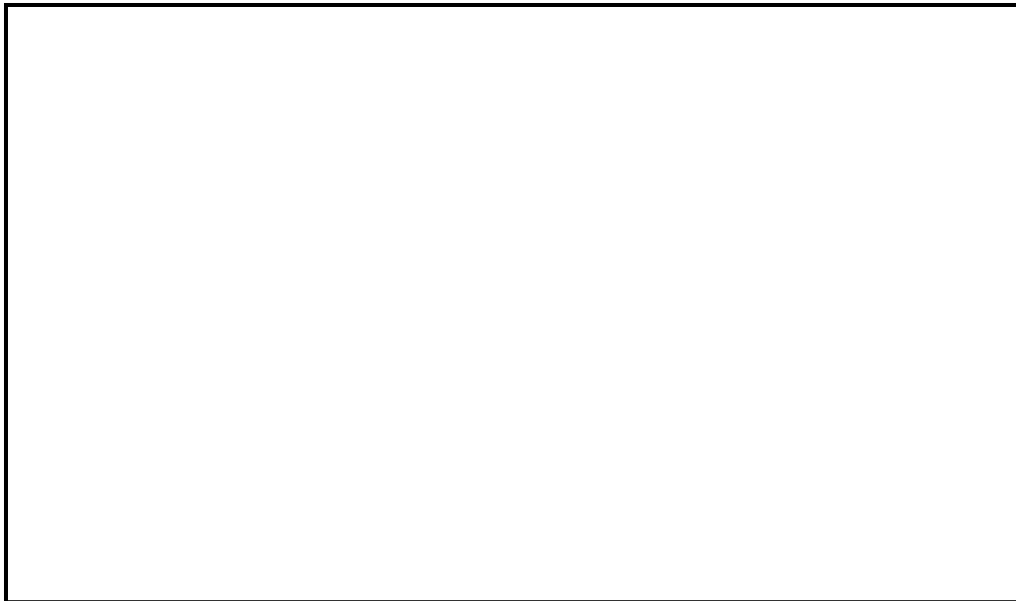
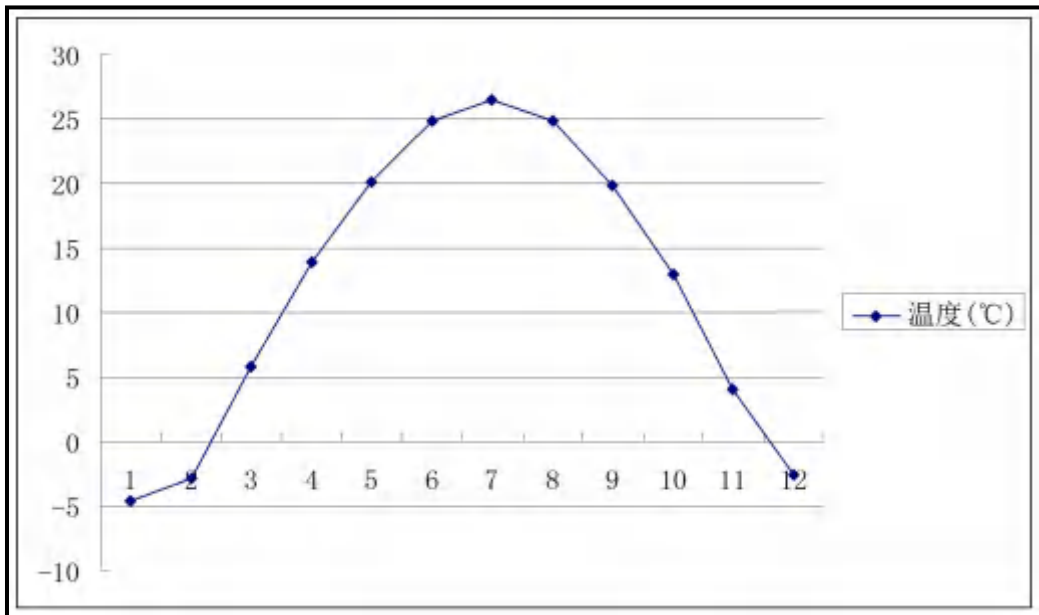
1

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
							0.003	kg/h
							0.00003	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	/
6#	NMHC	2000.0	10.1722	0.5100	/
	PM <sub>10</sub>	450.0	0.6997	0.1600	/
		200.0	18.4716	9.2400	/
		200.0	5.0027	2.5000	/
7#	NMHC	2000.0	10.0054	0.5000	/
	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

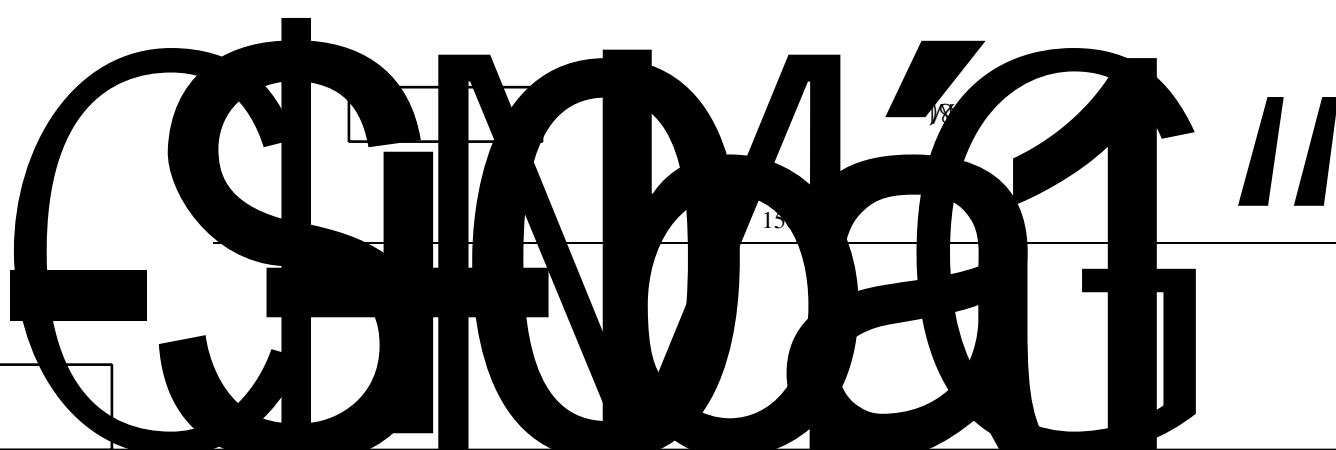
SO<sub>2</sub> NO<sub>2</sub> PM<sub>10</sub> PM<sub>2.5</sub>  
H<sub>2</sub>S PM<sub>2.5</sub>

C		100%	C	>100%
C			C	>10%
C	10%		C	>30%
C	30%		C	>100%
1h	C		C	>100%
h		100%		
	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

†

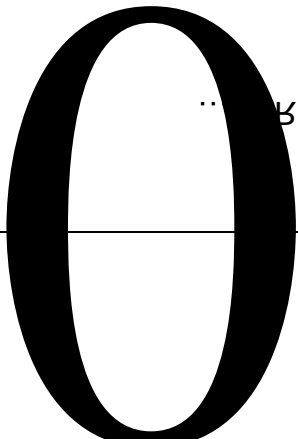
II

†

2j

q

2



8 V

S ..

∇o

∇-

.. BQ b

00 3 .

d E

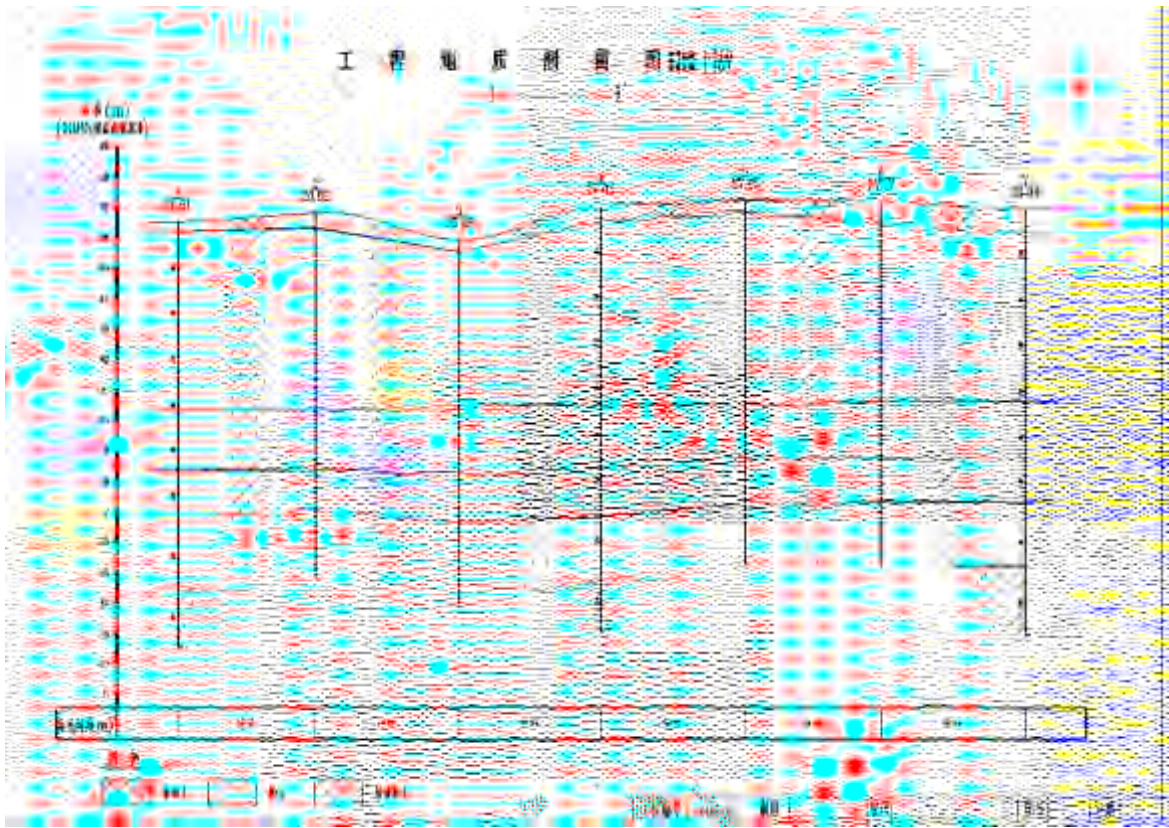
3λ 200

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  
 $m^2 \cdot d$   $2L/$   $m^2 \cdot d$   $2L/$   
 $m^2 \cdot d$   $10$   $20L/$   
 $5m \times 0.1m$   
 $5m \times 0.1m \times 20L/$   $m^2 \cdot d = 10L/d$   $10$   
 $10L/d \times 10d = 100L$   
 $100L$

1000 //





---

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

“

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2

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HJ169-2018

/

6.6-3

1		
2		
3		
4		
5		
6		

7		
8		
9		
10		
11		

a. CO

f p 503 \$ 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

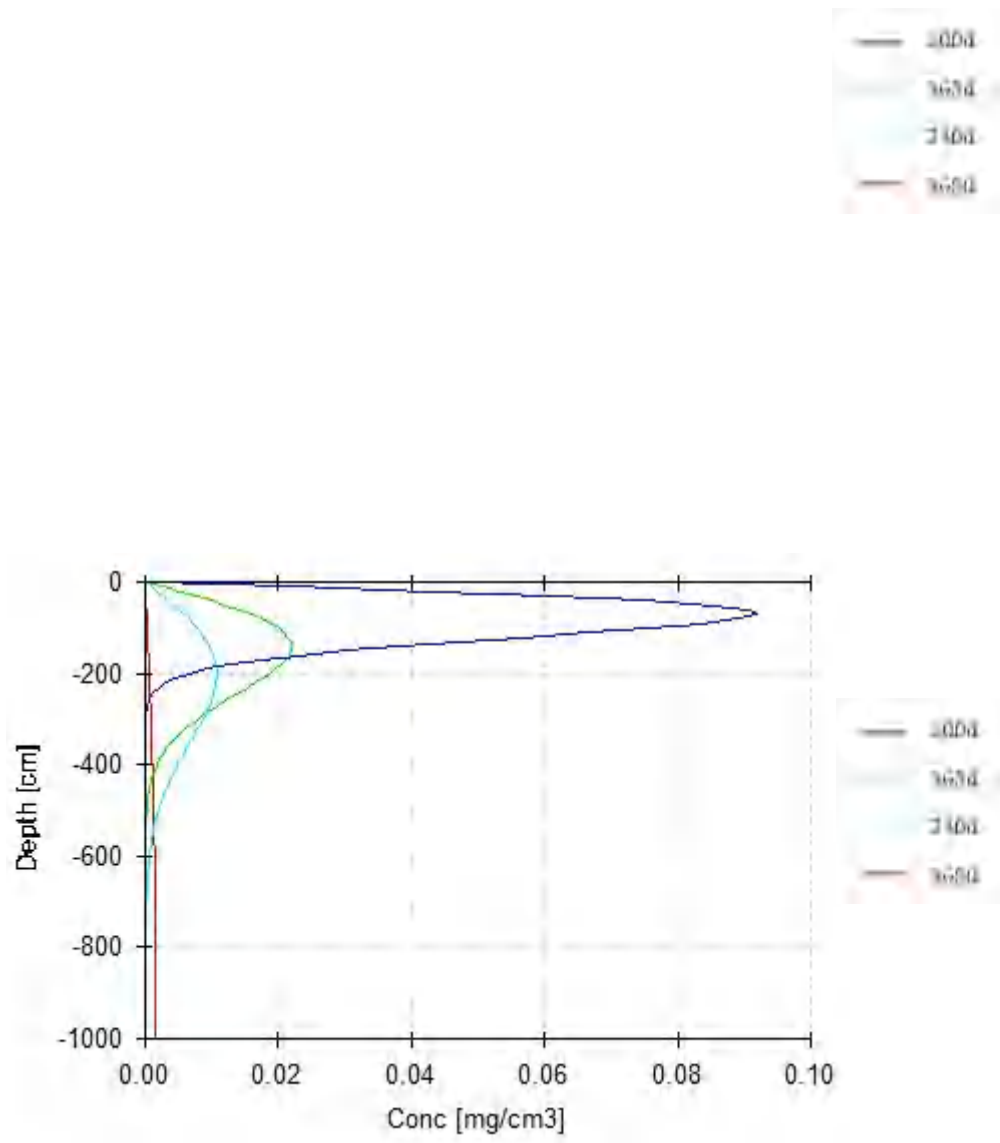
10m

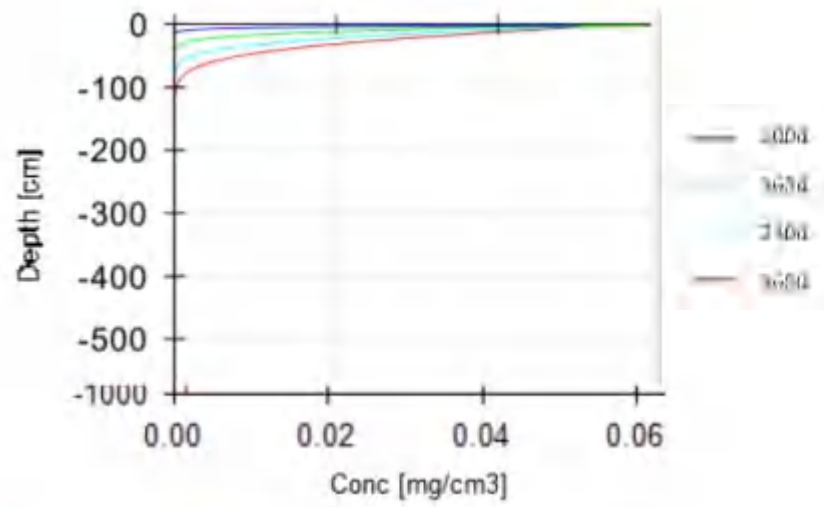
10m

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)



---

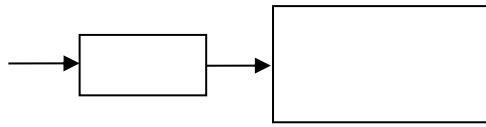
		a) b)		
		/	/	/
		/		

1

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

7.1-1

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9

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o

a

n

h

20 80

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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
					1%
	2.5kpa				
	1mm				

---



i VOCs  
70%

j 70  
GB50140 GB50016

2

1

7.2-1

**表 7.2-1 鐵路各站地理行政區劃管區一覽表**

站名	管區		管區	
	行政區劃	地理區劃	行政區劃	地理區劃
蘇州	蘇州	蘇州	蘇州	蘇州
無錫	無錫	無錫	無錫	無錫
常州	常州	常州	常州	常州
鎮江	鎮江	鎮江	鎮江	鎮江
揚州	揚州	揚州	揚州	揚州
南通	南通	南通	南通	南通
徐州	徐州	徐州	徐州	徐州
濟南	濟南	濟南	濟南	濟南
鄭州	鄭州	鄭州	鄭州	鄭州
西安	西安	西安	西安	西安
蘭州	蘭州	蘭州	蘭州	蘭州
成都	成都	成都	成都	成都
重慶	重慶	重慶	重慶	重慶
昆明	昆明	昆明	昆明	昆明
貴陽	貴陽	貴陽	貴陽	貴陽
西寧	西寧	西寧	西寧	西寧
拉薩	拉薩	拉薩	拉薩	拉薩
海口	海口	海口	海口	海口
廣州	廣州	廣州	廣州	廣州
香港	香港	香港	香港	香港
澳門	澳門	澳門	澳門	澳門

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

"

"

"

"

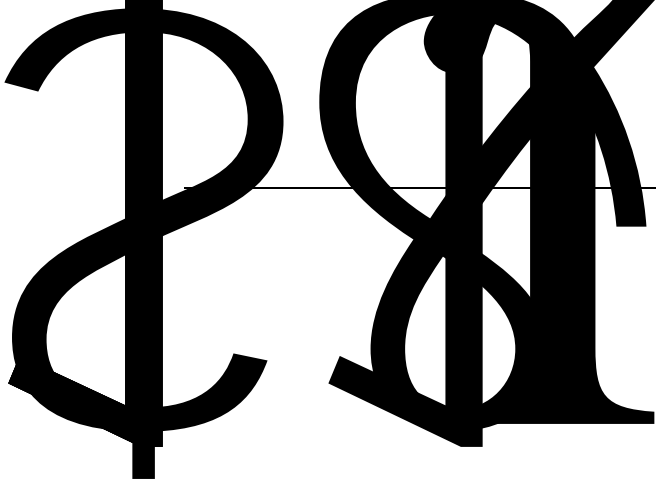
3

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 LAS 10mg/L							
			GB27632-2011 2							
			pH6~9 COD70mg/L BOD <sub>5</sub> 20mg/L SS40mg/L 10mg/L 15mg/L 0.5mg/L 1mg/L							
3.3			A							
			GB12348-2008 3							
			65dB A 55dB A							
3.4			GB18599-2020							
			GB18597-2001 2013 36							
4										
4.1		VOC <sub>s</sub>		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
				14.38mg/m <sup>3</sup>	0.828t/a
				2.22mg/m <sup>3</sup>	0.124t/a
	12#			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	
	3.2			COD	200mg/L
				SS	100mg/L
				20mg/L	TN30 mg/L
				TP3mg/L	10mg/L
				LAS	10mg/L
				GB27632-2011	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

EU

---

TPV

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

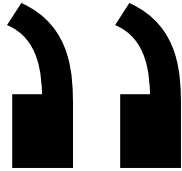
25m SO<sub>2</sub> NO<sub>x</sub>  
DB13/1640-2012 1 2  
2019 56 SO<sub>2</sub> NO<sub>x</sub>  
DB13/1640 -2012 1 2

[2019]607  
5

2011-7  
+ (5) % @ \$ @ ! ' )

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  
25m 1 “ +UV + ” “ +  
+ ” 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