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---

**VOCs**

---

( )

( )



# 目 录

1.	.....	- 1 -
2	.....	- 6 -
3.	.....	- 10 -
4.	.....	- 14 -
5.	.....	- 19 -
6.	.....	- 23 -
7.	.....	- 24 -
8.	.....	- 27 -
9.	.....	- 31 -
10.	.....	- 33 -
	.....	- 37 -

1  
2  
3  
4

1  
2  
3



1.

	VOCs				
	--				
	13957340125		/		/
				[2017]44 [2017]45 [2017]67	
				/	
m <sup>2</sup>	--			—	
	400	( )	400		100
( )	—			--	
<p><b>1.1</b></p> <p style="text-align: right;">2008 10</p> <p style="text-align: center;">1.3 t/a</p> <p>2009 4 21 <span style="float: right;">[2009]41</span></p> <p style="text-align: center;">2015 5</p> <p style="text-align: right;">2015 7 23</p>					

[2015]1

2 20t/d

1 2.7t 1 3.3t

3000 t/a

10000t/a

VOCs

1

2

VOCs

3

1

[2014]197

16 < >

[2015]4 ;

17 364

18 2013.12.29

19 2016.7.1

20 2013.12.29

21 [2015]71

22

23 < > 2013 54

24 ( ) [2012]10

25 2010 27

26

2014 86

27

2015

2015

2015 38

2

1 HJ2.1-2016

2 HJ2.2-2008

3 HJ/T2.3--93

4 HJ2.4-2009

5 HJ/T169-2004

6 HJ19-2016

7 HJ610-2016

8 ( )

3

1

2

1.3

1

1.4

1

VOCs

170

150

VOCs

80

400

2

1

2

VOCs

VOCs

3

L

3

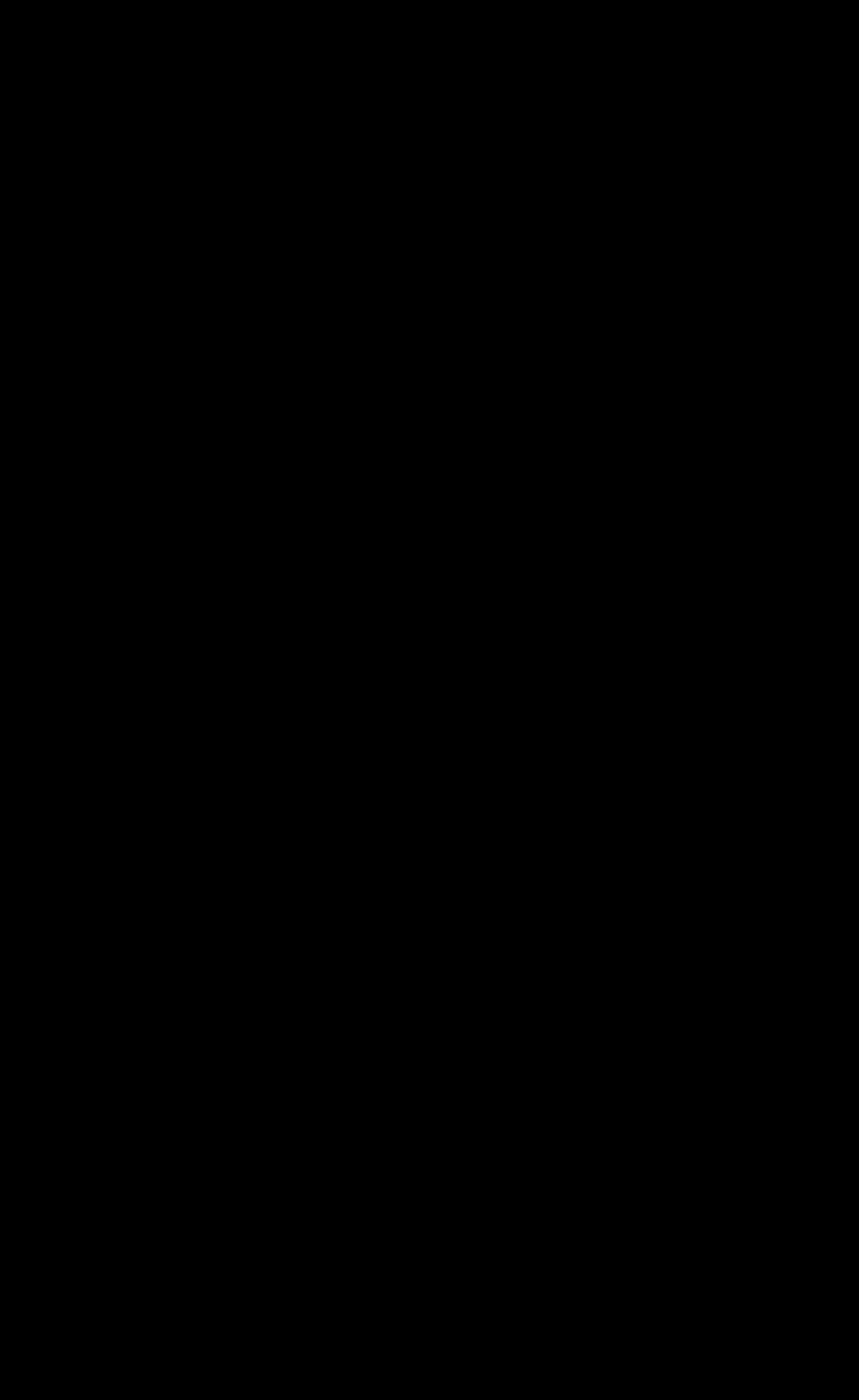
1-2

1-2

1			FX-1300-45-II	1
			RCYD-8T3	1
			ZL-1300	1
			L=7000 B=1000 L=6800 B=800	2
			/	1
			/	1



2	VOCs		/	1
			/	2
			/	3



1

## 2.

### 2.1

( 125 15 31 30 33 42 )

13.41km 43km

1

### 2.2

#### 2.2.1

3.7

3.2

3.6

2.8

3.0

200

200

“

”

#### 2.2.2

1725mm(1988)

863.9mm(1988)

1207mm( )

31.9 (71~80 )

0.4 (71~80 )

40.5

-12.4

16

81%

105.8~113.5 /

2007~2174h/a

47%

30.31cm

3.2

82%

E

E

SE

NW

2.62m/s

2.2.3

1

19.37 m<sup>3</sup>

550m<sup>3</sup>

7740m<sup>3</sup>

15% 10.9%  
2.74m 1.59m  
7.4m<sup>3</sup>/s 5m<sup>3</sup>/s  
(1) 0.05m/s  
(2) ( ) ( )  
(3) -  
2

0.5~1.5m

10m<sup>3</sup>/d  
220m 50m  
60m 5~10m  
100~1000m<sup>3</sup>/d 90m 10~20m  
1000~5000m<sup>3</sup>/d 110~130m  
10~20m 1000m<sup>3</sup>/d

### 2.3

2015.9  
0482- -0-3

7.81 0482

1.

2.

1

2

3

2

3

4

3.

1.

2.

3.

4.

5.

6.

7.

43

44

45

48

58

118

### 3.

#### 3.1

(1)

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

(2)

1# 2# 3#

(3) 2016 5 4 ~10

(4) 7 02 08 14 20 1

(5) 3.1-1 3.1-2

3.1-1 SO<sub>2</sub> NO<sub>2</sub> ( mg/m<sup>3</sup>)

						(%)	(%)
1		2016.5.4~10	NO <sub>2</sub>	0.017~0.065	0.041	32	100
			SO <sub>2</sub>	0.009~0.018	0.013	3.6	100
2		2016.5.4~10	NO <sub>2</sub>	0.017~0.041	0.029	20	100
			SO <sub>2</sub>	0.009~0.018	0.013	3.6	100
3		2016.5.4~10	NO <sub>2</sub>	0.016~0.064	0.040	32	100
			SO <sub>2</sub>	0.009~0.020	0.010	4	100

3.1-2 SO<sub>2</sub> NO<sub>2</sub> PM<sub>10</sub> ( mg/m<sup>3</sup>)

						(%)	(%)
1		2016.5.4~10	NO <sub>2</sub>	0.0105-0.0157	0.013	20	100
			SO <sub>2</sub>	0.029-0.043	0.036	2.4	100
			PM <sub>10</sub>	0.072-0.083	0.076	53	100
2		2016.5.4~10	NO <sub>2</sub>	0.023-0.038	0.30	47	100
			SO <sub>2</sub>	0.010-0.0158	0.012	10	100
			PM <sub>10</sub>	0.078-0.092	0.085	60	100
3		2016.10.18~24	NO <sub>2</sub>	0.025-0.050	0.037	62	100
			SO <sub>2</sub>	0.012-0.018	0.015	10.2	100
			PM <sub>10</sub>	0.085-0.110	0.097	73	100

3.2

1 2016 5 6 ~7 2 1

2 pH BOD<sub>5</sub>

3 3.2-1

3.2-1		pH						mg/L	
		pH							
	2016.5.6	7.70	5.79	7.89	0.776	0.11	<0.01	<0.0003	
		7.74	5.95	7.96	0.662	0.09	0.04	<0.0003	
	2016.5.7	7.74	5.83	8.20	0.736	0.12	<0.01	<0.0003	
		7.80	6.27	8.27	0.748	0.10	<0.01	<0.0003	
		I	IV	I			I	I	
	2016.5.6	7.63	5.51	6.80	0.642	0.10	<0.01	0.0003	
		7.66	5.72	6.88	0.603	0.12	0.03	<0.0003	
	2016.5.7	7.77	6.91	7.91	0.582	0.10	<0.01	0.0004	
		7.72	6.41	8.10	0.603	0.15	<0.01	<0.0003	
		I	IV	I			I	I	

(GB3838-2002) III

3.3

3-3

3.3-1


3-3

800

**3.4**

(1)

(2)

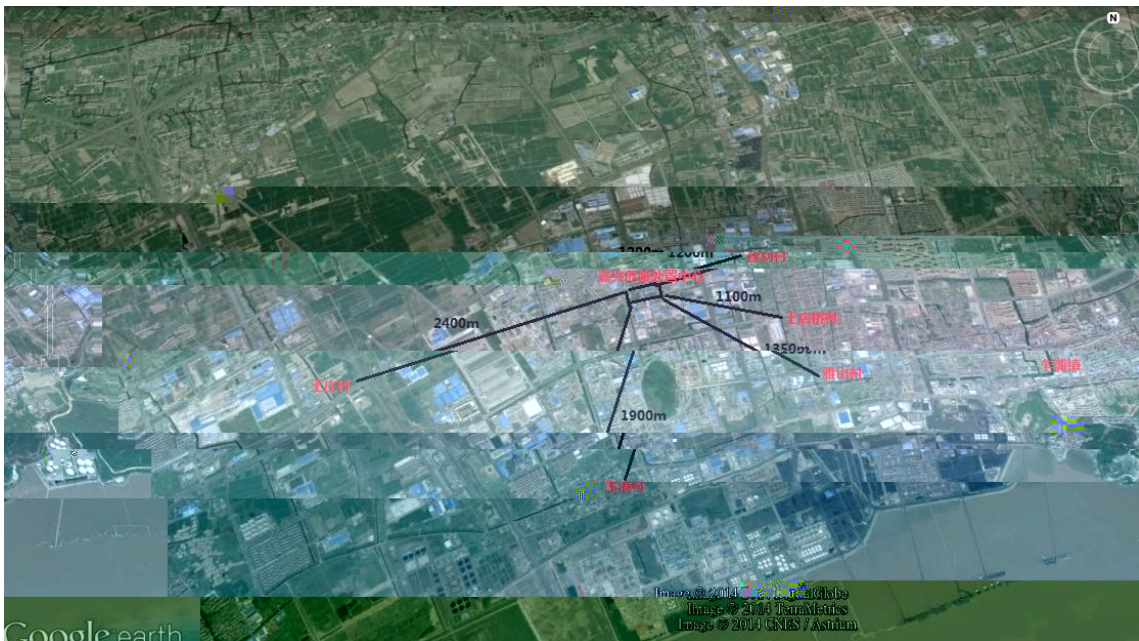
3.4-1

3.4-1



3.4-1

				(m)		
	1		SE	1350	1522	
	2		E	1100	1353	
	3		NE	1200	990	
	4		W	2400	843	
	5		SW	1900	951	
	6		SE	3300	513	
	1		S	950	/	
	2		E	1880	/	
	3		S	/	/	



3.4-1

4.

<b>4.1</b>			
GB3095-2012			
TJ36-79			
4.1-1			
4.1-1			
		(mg/m <sup>3</sup> )	
SO <sub>2</sub>		0.06	GB3095-2012
		0.15	
	1	0.50	
NO <sub>2</sub>		0.04	
		0.08	
	1	0.20	
PM <sub>10</sub>		0.15	
		0.07	
TSP		0.30	
		0.20	
		0.02	
		0.007	
Pb		1×10 <sup>-3</sup>	
		0.5×10 <sup>-3</sup>	
HCl		0.05	
		0.015	
		0.6 TEQpg/m <sup>3</sup>	
		2.0	
<b>4.2</b>			
(GB3097-1997)			
4km			(GB3097-1997)
	4.2-1		

4.2-1

	pH	mg/L
pH	7.8~8.5	6.8~8.8
>	6	3
C(	2	5
(BOD <sub>5</sub> (	1	5
( N (	0.20	0.50
( N (	0.020	
( P (	0.015	0.045
	0.00005	0.0005
	0.001	0.010
	0.001	0.050
	0.005	0.050
	0.05	0.50
	0.020	0.050
	0.005	0.050
	0.020	0.50
	0.05	0.50

(GB3838-2002)

4.2-2

4.2-2

	GB3838-2002		
	III	IV	V
pH	6~9	6~9	6~9
DO	5	3	2
COD <sub>Cr</sub>	20	30	40
	6	10	15
BOD <sub>5</sub>	4	6	10
	1.0	1.5	2.0
	0.2	0.3	0.4
	0.05	0.5	1.0
	0.1	0.5	1.0
	1.0	1.0	1.0
	0.5	0.5	0.5

TJ36-79

**4.3**

(GB/T14848-93)

4.3-1

4.3-1

pH mg/L

pH	6.5~8.5	( N )	1
COD <sub>Mn</sub>	2	( N )	1
	34		14
	0	(Mn)	0
NH <sub>3</sub> -N	1	(Co)	4

**4.4**

(GB3096-2008) 3

4.4-1

4.4-1

GB3096-2008

dB

3	65	55

**4.5**

(GB8978-1996)

(DB33/887-2013)

(GB8978-1996)

4.5-1

4.5-1

pH mg/L

	pH	COD <sub>cr</sub>	BOD <sub>5</sub>								
	6~9	500	300	35*	8.0*	20	20				--
	6~9		30	25	1.0	10	10				--
	--	--	--	--	--	--	--	1.0	1.5	0.05	1.0

4.6

1666.7kg/h

GB18484—2001 300~2500kg/h

(GB14554-93)

GB16297-1996

4.6-1 4.6-2

4.6-1

GB 18484-2001

		300 2500kg/h
		mg/m <sup>3</sup>
1		1
2		80
3	CO	80
4	SO <sub>2</sub>	300
5	HF	7.0
6	HCl	70
7	NO <sub>x</sub>	500
8		0.1
9		0.1
10		1.0
11		1.0
12		4.0
13		0.5TEQng/m <sup>3</sup>

1666.7kg/h

GB18484—2001

300~2000kg/h

35m

4.6-2

	(mg/m <sup>3</sup> , )				(kg/h )		
					15m	20m	25m
	1.5	2.0	4.0	5.0	4.9	8.7	14
	0.06	0.10	0.32	0.60	0.33	0.58	0.90
	20	30	60	70	2000	4000	6000

4.6-3

	(mg/m <sup>3</sup> )	(kg/h)		(mg/m <sup>3</sup> )	
		15m	20m		
	120	10	17	4.0	GB16297-1996

4.7	(GB12348-2008)					
	3		4.7-1			
	(GB12523-2011)					
	4.7-2		4.7-1			
	dB(A)					
	3		65		55	
4.8	4.7-2					
	dB					
	70			55		
	4.8-1					
4.8-1		“ ”				
	t/a	t/a	t/a	t/a	t/a	t/a
VOCs	2.122	1.263	1.134	1.993	/	-0.129
	1.8474	0	0	1.8474	0	0
COD	2.217	0	0	2.217	0	0
	0.462	0	0	0.462	0	0
4-9		VOCs				
0.129t/a						

5.

5.1

1

+ + + + +

144

VOCs

2

VOCs  
VOCs

3

1-4

36000m<sup>3</sup>/h

90%

60%

5

5000 m<sup>3</sup>/h

90%

90%

6

5000m<sup>3</sup>/h

90%

90%

3

1)

2

3

L-0.35B(V=0.35m<sup>3</sup>)

2)

2t/24h

3)

300m

4) 2

,

5) 2

3

1

,

4m<sup>3</sup>/min,

1.0m<sup>3</sup>/min,

5m<sup>3</sup>/min

6) 2

1

DN80

,

7)

,

,

5.2

5.3

1

1

3600m<sup>3</sup>/h

90%

90%

VOCs

80%

2

VOCs

VOCs

VOCs

3.066t/a

VOCs

VOCs

5.3-1

5.3-1

VOCs

t/a


5.3-1

75%

VOCs

0.129t/a

3



2

3

5.3-2

5.3-2

		dB	
1		80~85	1m
2		75 80	
3		85~90	
4		80~85	

4

( (2009)76 )

1

5.3-3

5.3-3

				t/a
				3

5.3-4

5.3-4

					D5/Q10

5.3-5

5.3-5

			HW49 900-041-49

5.3-6

5.3-6

					t/a
				HW49	3

5

5.3-7

5.3-7

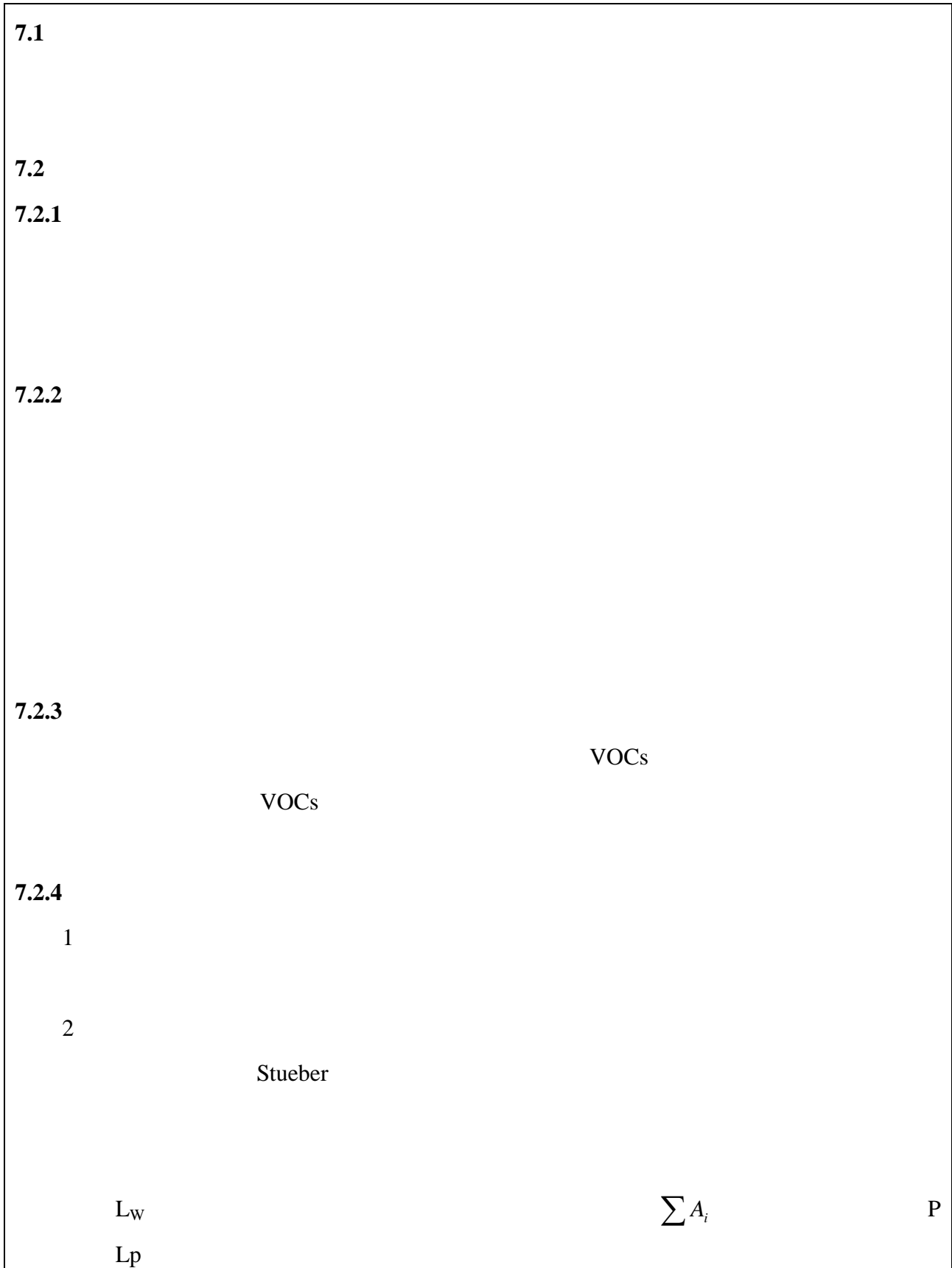
		VOCs	t/a	3.066	1.134	

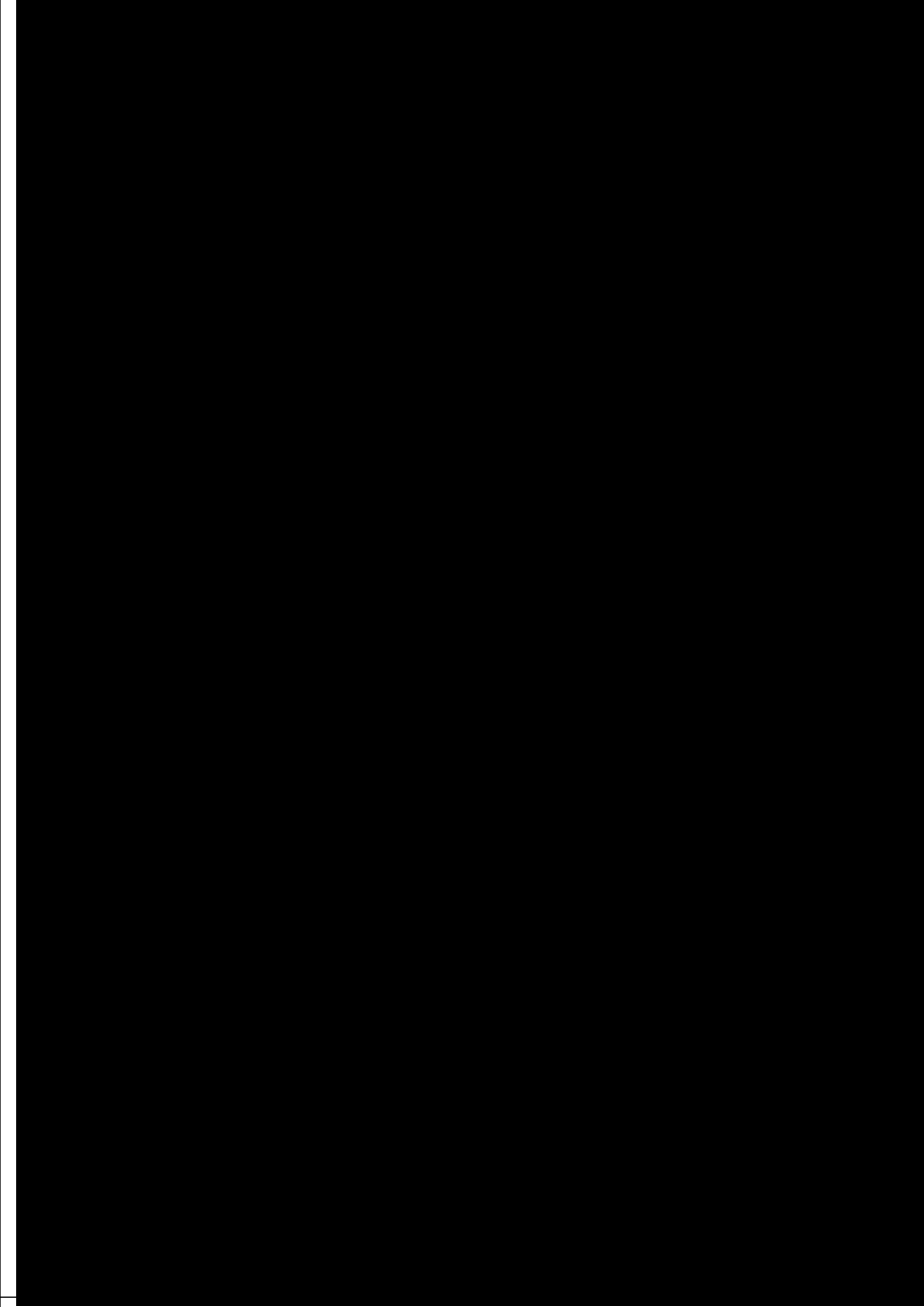
t/a 3

6.

			/	/	/	/	
		COD <sub>Cr</sub>	/	/	/	/	
			/	/	/	/	
		VOCs	/	3.066	/	1.134	
			/	3t/a	/	0	
	55dB	5-3					
		GB12348-2008					3
	( )						

7.





7.2-2

41.3~47.6dB

GB12348-2008 3

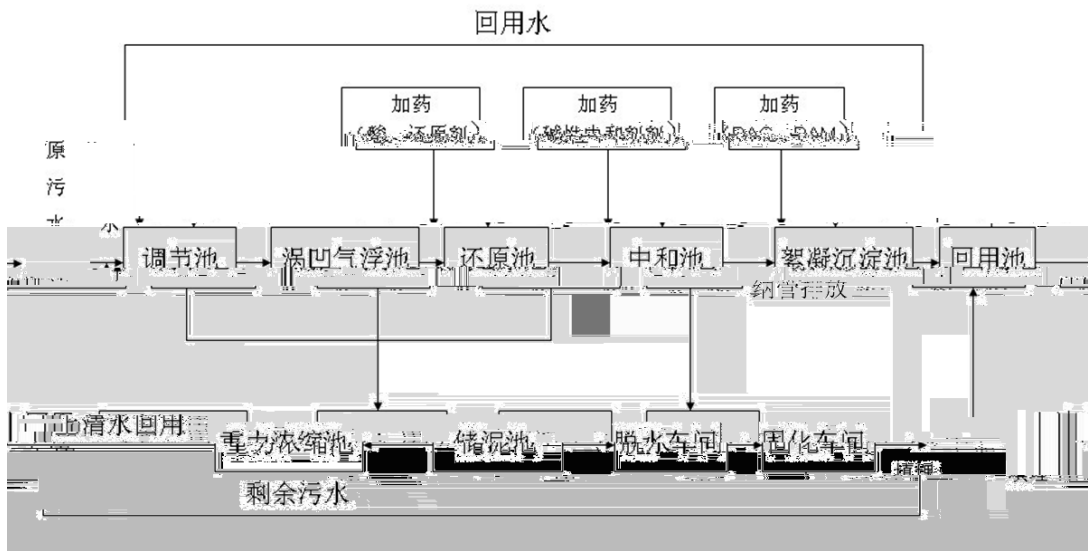
**7.2.5**

# 8.

## 运营期的污染防治措施:

### 8.1

1



8.1-1

2

2016

8.1-1

8.1-1



8.1-1

**8.2**

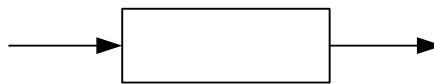
**8.2.1**

1

3600 m<sup>3</sup>/h

90%

90%



8.2-1

2

VOCs

1-4

36000m<sup>3</sup>/h

90%

60%

5

5000 m<sup>3</sup>/h

90%

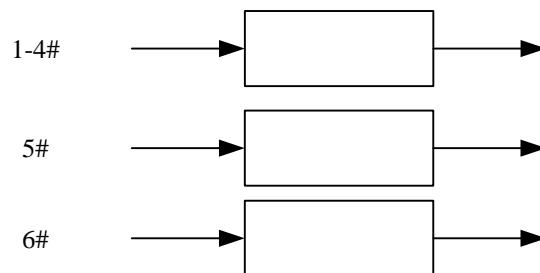
90%

6

5000m<sup>3</sup>/h

90%

90%



8.2-2



**8.2.2**

8.2-1

8.2-1

	(m)			kg/h	mg/m <sup>3</sup>	kg/h	mg/m <sup>3</sup>	
1-4#	15	VOCS	36000	0.084	2.33	10	120	
5#	15	VOCS	5000	0.005	1.05	10	120	
6#	15	VOCS	5000	0.005	1.05	10	120	

**8.3**

1

2

3

4

**8.4**

8.4-1

8.4-1


[2001]199

8.5

8.5-1

8.5-1

	1	15m	
	2	1-4#	
	15m	5# 6#	
		15m	
			GB12348-2008 3

8.5

400

100%

## 9.

### 9.1 环评审批原则符合性分析

#### 9.1.1

2015.9

0482- -0-3

#### 9.1.2

#### 9.1.3

VOCs

0.129t/a

#### 9.1.4

### 9.2 环评审批要求符合性分析

#### 9.2.1

### 9.3 其他审批要求符合性分析

#### 9.3.1

(

(2011~2030 )

)

3

### 9.3.2

9

2011

2010

[2010] 122

# 10.

## 10.1

1

2

(GB3838-2002) III

3

800

## 10.2

10.2-1

10.2-1

		VOCs	t/a	3.066	1.134	
			t/a	3	0	

10.2-2

## 10.2-2

		(t/a)	(t/a)	“ ” t/a	t/a
		12.32	0	0	12.32
	CO	14.08	0	0	14.08
	HCl	10.56	0	0	10.56
	NOx	70.40	0	0	70.40
	SO <sub>2</sub>	52.80	0	0	52.80
	HF	0.88	0	0	0.88
	g/a	0.088g	0	0	0.088g
	Pb	0.176	0	0	0.176
	As+Ni	0.176	0	0	0.176
	Cd	0.018	0	0	0.018
	Hg	0.018	0	0	0.018
	Cr+Sn+Sb+Cu+Mn	0.704	0	0	0.704
	VOCs	2.122	1.134	1.263	1.993
	/	1.8474	0	0	1.8474
	COD(t/a)	2.217	0	0	2.217
	(t/a)	0.462	0	0	0.462

VOCs

41.3~47.6dB

B48-2008 3


**10.6**

400

100%

**10.7 要求与建议**

1

“ ”

2

**10.8**



## 11.1

### 11.1-1

#### 11.1-1

		t/a		
1		1×30t/d 1×10t/d	[2009]41	[2013]55
2		2 20t/d 3.3t	1 2.7t 1 [2015]1	[2016]15

## 11.2

### 11.2-1

#### 11.2-1

		2 20t/d		
			2.7t/h 3.3t/h	
			252 m <sup>2</sup> ,1	
			5429 m <sup>2</sup> 1	
			50 m <sup>3</sup> ,1	
			1 350m <sup>3</sup> 1 320m <sup>3</sup>	
		4000m <sup>2</sup> 2	2000 m <sup>2</sup> 6 2000 m <sup>2</sup>	
			2000m <sup>2</sup>	
			100t/d 1	
			40 m <sup>2</sup> 1	
			245 m <sup>2</sup> 1	
			187 m <sup>2</sup> 1	
			1422 m <sup>2</sup> 1	

### 11.3

10000t/a

#### 11.3.1

11.3-1~11.3-2

11.3-1


11.3-2

1		2	
2		1	
3		1	
4		1	
5		1	
6		1	
7		1	
8		0	
9		0	
10		1	
11	DO	1	
12	BOD <sub>5</sub>	1	
13	COD	1	
14		1	
15		1	
16		1	
17		1	
18		1	
19		1	
20		1	
21		2	

22		1	
23		1	
24		1	
25		1	
26		1	
27		1	
28		1	
29		1	
30		1	
31		1	
32		5	
33		1	
34		1	
35		1	
36	( )	2	
37		1	
38		1	
39		2	

**11.3.2**

11.3-3

11.3-3


**11.3.3**

60mins

850

1100 1200

2s

1100

99.99%

550

550

0.1mm

0.8s

200

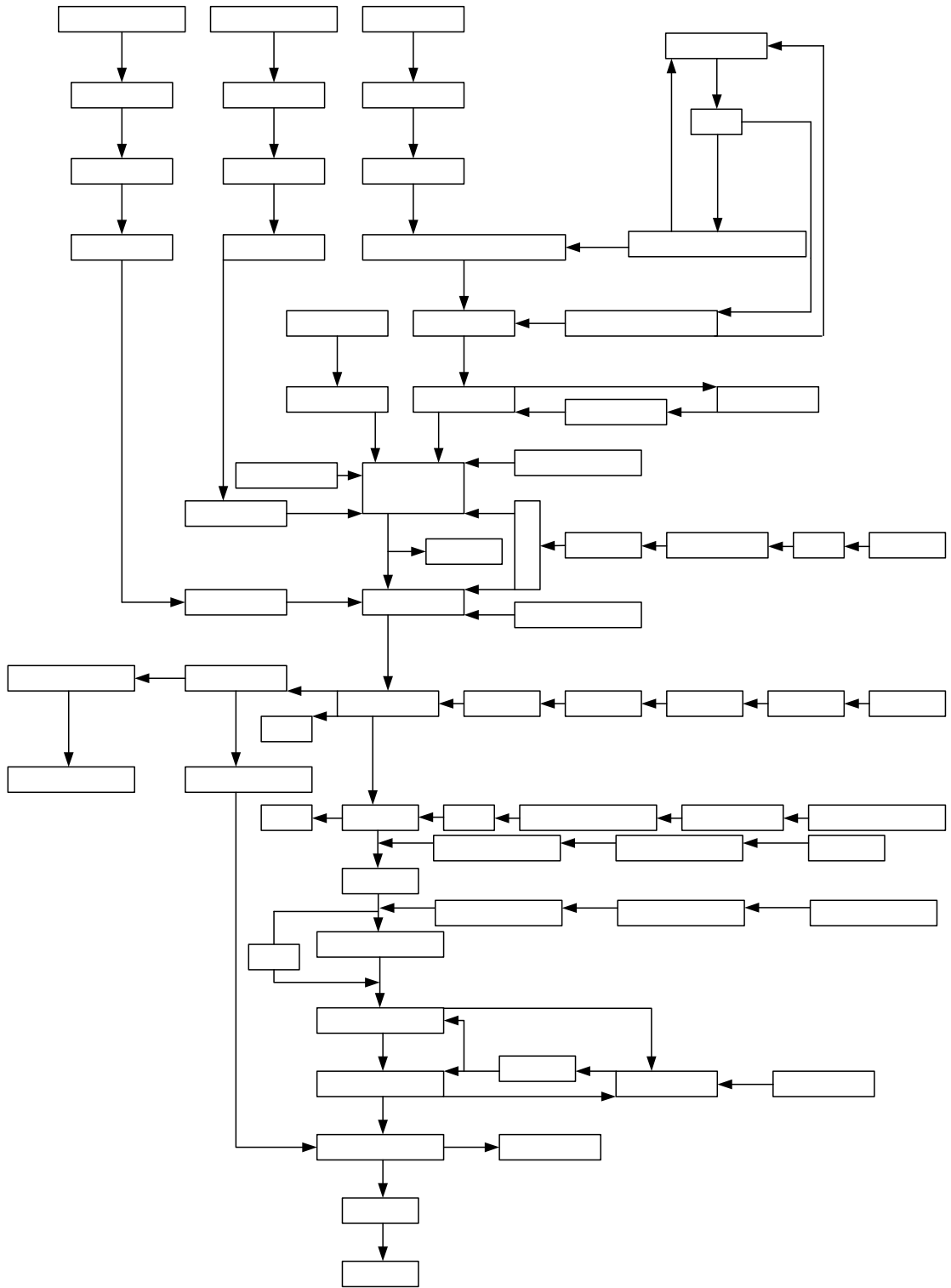
200-500

1s

NaOH

74

150



11.3-1

**11.4**

**11.4.1**

11.4-1

11.4-1

11.4-3 1#

3#	mg/m <sup>3</sup>	0.6
	mg/m <sup>3</sup>	1.2
	mg/m <sup>3</sup>	3.3
	mg/m <sup>3</sup>	1.7
	mg/m <sup>3</sup>	12.2
	mg/m <sup>3</sup>	14.7
	mg/m <sup>3</sup>	3.47
	mg/m <sup>3</sup>	0.011
		33

11.4-3 VOCs 30mg/m<sup>3</sup>  
 7000m<sup>3</sup>/h 60% VOCs 3.066t/a  
 3.066t/a  
 7000 m<sup>3</sup>/h 60%  
 98%  
 20000 m<sup>3</sup>/h 80%  
 90% VOCs 11.4-4

11.4-4 VOCs


**11.4.3**

11.4-5

11.4-5

					t/a
				772-003-18	1950
				772-003-18	520
				772-003-18	24.8
	/		/		10

11.4.4

11.4-6

11.4-6

“ ”

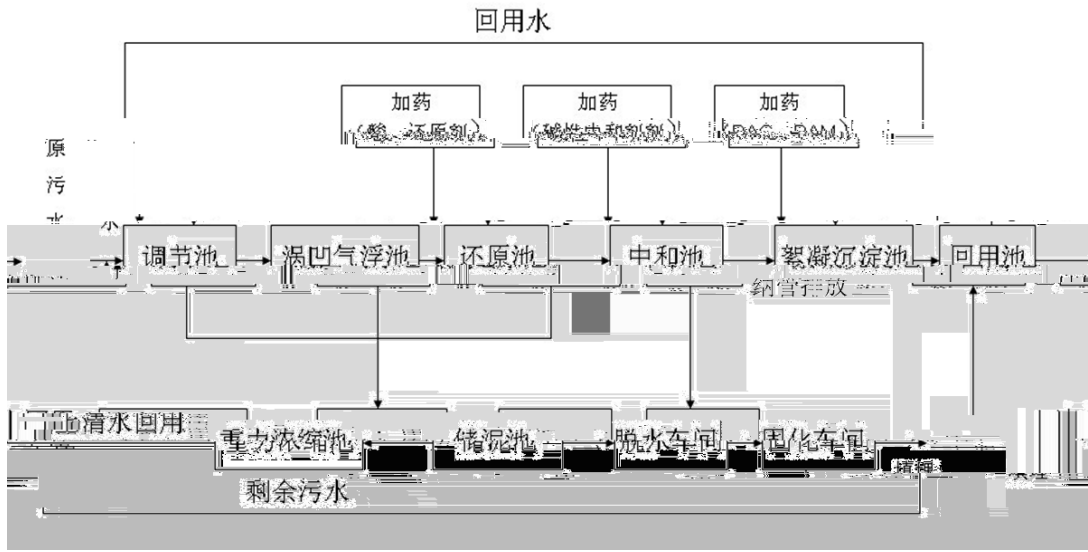
		(t/a)	
		12.32	
	CO	14.08	
	HCl	10.56	
	NO <sub>x</sub>	70.40	
	SO <sub>2</sub>	52.80	
	HF	0.88	
		0.088g	+ +
	Pb	0.176	
	As+Ni	0.176	
	Cd	0.018	
	Hg	0.018	
	Cr+Sn+Sb+Cu+Mn	0.704	
	VOCs	2.122	
	/	1.8474	
	COD(t/a)	2.217	
	(t/a)	0.462	
		0	
		0	
		0	
		0	

11.5

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2			

