（污染影响类）

项目名称：_____

建设单位（盖章）：_____

编制日期：_____2022　7_____

中华人民共和国生态环境部制

	2108-320118-04-01-264019		
	***		**********
	9		
	118 55 18.739	31 22 33.970	
	C2929		“ 29 ” “ 53 ” “ 292 VOCs 10 ”
	☑ □ □ □ □		☑ □ □ □
			8000m^2
			2021 155
	12000		120
	1%		12
	2004 104		
	2015 16		

1

20

2015

16

1-1

1	， “ ”		
2		9 + + GB12348-2008 3	
3			
4	） 100% ）	+ GB8978-1996 4	

5

2

1-2

2019

1 < 2
> 2021 49

2012

2013 9

2 2012
2013 183
C2929

3 2015 118
C2929

4 2018 32

5 2012

6 2012 я =א ، ז 2

1-3

							km	
			/	20.73	/	20.73	5	N

2020 1

3.4km

2

1-4

							km	
		/		/	1.5	1.5	3.4	SW

5km

3

“ ”

“ ”

2020 49 4365

“

” “ 3-1 ”

1-5 “ ”

	2020 1 2018 2020 1 74 2018 74		

“ ” “ 3-2

”

1-6

	1 2 3 1	1 2 3	
	1 2		
	1 2		
	2020		

“ ”

2020 49

“ ”

“ ”

“ ”

1-7 “ ”

		1 2 3 4	9	
			+ + + GB8978-1996 4 GB18918-2002 A	
		1 2 3	“ ”	

		1 2 3		

“ ”

“ ”

2020 49 “ ”

2

2021

300 4 82.2% 0.9

91 6 65

61 4 O_3 $PM_{2.5}$

$PM_{2.5}$ 29μg/m³ 6.5% PM_{10} 56μg/m³

NO_2 33μg/m³ 8.3% SO_2 6μg/m³

14.3% CO 95 1.0mg/m³

9.1% O_3 8 52 14.2% 2.2

2022

2022

“

” “ ”

2025 75%

1-8 **2022**

1

2

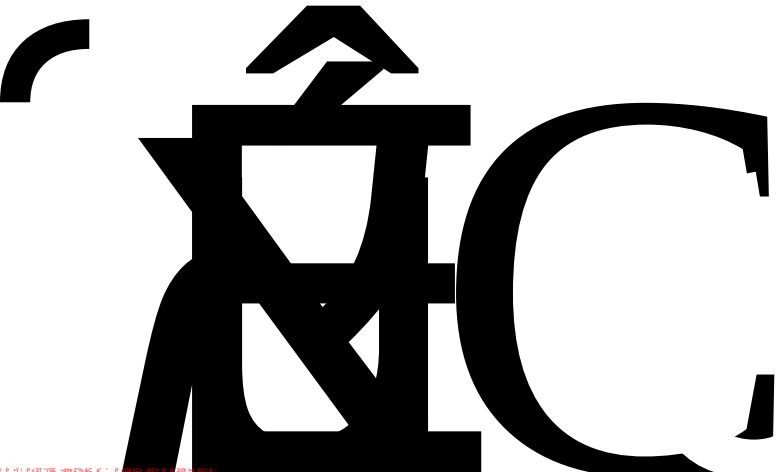
3

4

5

6

7 “ א m !



1-9

2022 55

1	2015-2030 2017-2035	
2		
3		
4		
5		
6		
7	34	
8		
9		
10		

11		
12	2022	
13		
14		
15		
16		
17		
18		
19		
20		

2015 251 “ ” “ ”

“ ”

1-10

1-10

2015 251

1		
2		
3		
4		
5		
6		
7		
8	1000 /	1000 /
9		
10		
11		
12		

13		
14	50 50	
15	1 12 / 2 4000 100	
16		
17		
18	1 2 3	
19		
20	30	
21	1 2 3 4 5 500	
22	1000	

	500 500	
23	1 0.4	

1-11

		GB8978-1996 4 GB18918-2002 A
	1 2	

“ ”

4

1-12

	1 VOCs VOCs 2 2020 7 1 3 2020 VOCs 2020 33 VOCs VOCs VOCs VOCs	+ +	

VOCs

VOCs

VOCs

1.

VOCs

VOCs

VOCs
~ VOCs

VOCs
°°×C&

2019 53

	3 / 2 / 80%		
VOCs VOCs 2020 7 1 “ ” VOCs 2020 VOCs 2020 2 VOCs 6 VOCs 2 / 80%		+ +	
2018 119		+ +	
2014 128	1. VOCs	+ +	

2.

VOCs

VOCs

( )

90%

VOCs

90%

75%

1000ppm

VOCs

-

VOCs 1

(

1

)2

2

VOCs

3

+ +

2021

VOCs

2021 1

VOCs

3

VOCs

VOCs

“

”

VOCs VOCs

VOCs

1. VOCs

1

2

+ +

VOCs

VOCs 0.3 / VOCs

“ ”

2021 90%

28 ₂Ѳ ¿) • P ! ™“9 ‘ `04•) r! È

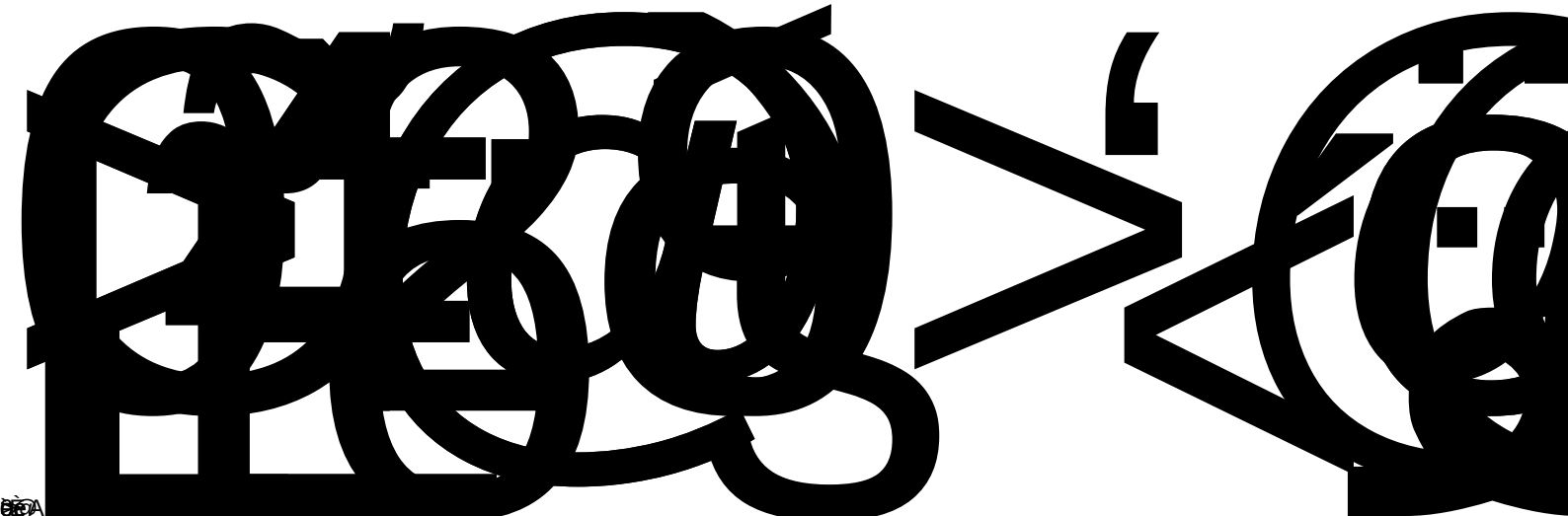
2. f

VOCs

f P x` DFP P 7† fdDe FŸf æÏÀ f

90%

VOCs



	“ ” 2 “ ” “ VOCs ” VOCs VOCs		

> □

1

( ) 2021 1 14

9

( ) 12000

9 ( )

8000m^2

2021 155 2108-320118-04-01-264019

6

20 8500

GB/T4754-2017 “ 2929

” 2021

“ 29 292

VOCs 10 ”

2

9

8000m^2

12000 120 1%

80

300 2 12 7200

8500

2022 9 12 2023 9

3

2-1

2-1

	3# 2 6792.96m^2 H=13.45m	1F 3396.48m^2	
		2F 3396.48m^2	
	4# 2 6792.96m^2 H=13.45m	1F 3396.48m^2	
		2F 3396.48m^2	
		152880t/a	
		3360t/a 960t/a 2016t/a 384t/a	+
		495 kW·h/a	
		2 6m^3/min	12m^3/min
		2 60t/h	140t/h

80t/h

274.04m^2 1 2

194.4m^2

1 5m^3

			50m^2	
			500m^2	3# 2
			380m^2	3# 2
			380m^2	4# 1
			263m^2	
			70m*5.2m	30KN/m^2

4

2-2

5

2-3

6

2-4

7

2-5

8

2-6

			/	/g
1			12	1250
2			12	1250
3			12	1250
4			12	1250
5			12	1250
6			12	1250
7			12	1250
8			12	1250
9			12	1250

1.

2.

9

80 300 2 12

7200

10

6

8500t/a

2-7-1

8640t/a 8500t/a

2-7-2

			m^3/min	**m^3/min**
1		1	6	6
2		1	6	6
3				
4				
-				
			m^3/min	**m^3/min**
1		18	0.2	3.6
2		2	0.2	1.6
3		2	0.2	
4		4	0.2	

2-7-3

450m^2 350m^2

11

1

80 2 12 300

GB50015-2019 50 L/ ·

1200t/a 80%

960t/a

2 2

140t/h 7200h 1008000t/a

GBT50050-2017

$$Q_e = K_{ZF} \cdot \Delta t \cdot Q$$

$$Q_W = \frac{P_W \cdot Q}{100}$$

$$Q_b = \frac{Q_e}{N} - Q_W$$

$$Q_m = Q_e + Q_b + Q_W$$

Qe—— K_{ZF} 0.0015

30 8

Qw—— Pw 0.1

Qb—— N 5

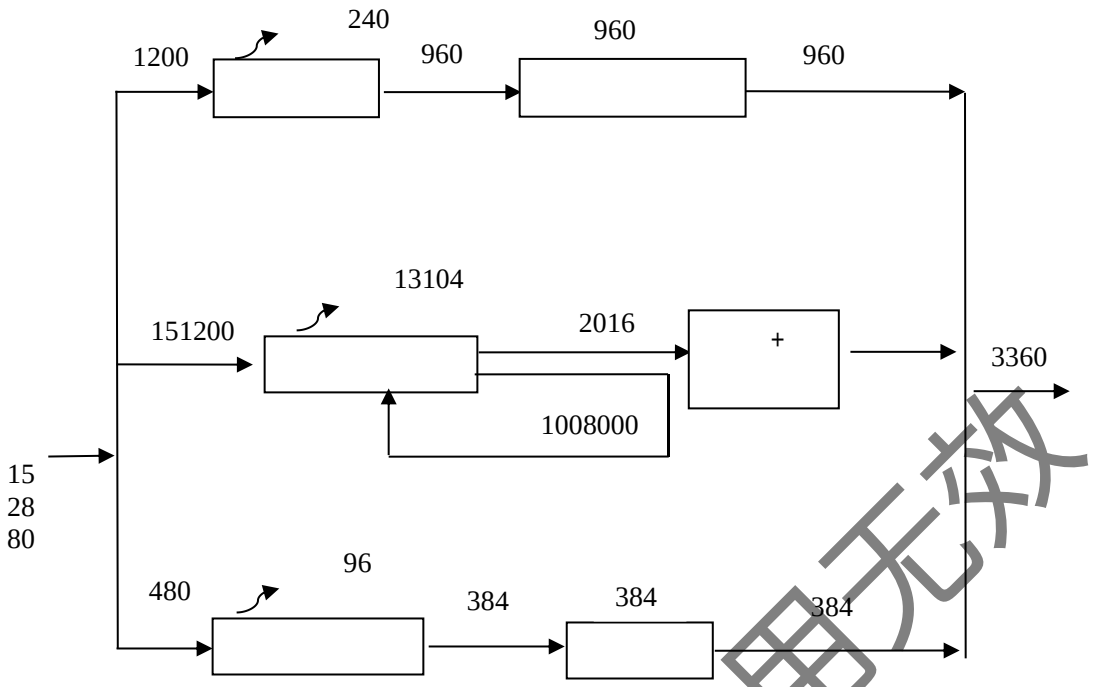
Qm—— ʞЕя ε - ʌ= ? ? ! ɠ m " ā ?

Q—— ʐ ɔ , ʌ m ` ï

12096t/a 1008t/a

2016t/a 15120t/a

2



2-1 **t/a**

12

9 4

5 500m

3# 4#

6

3# 4#

2 3# 1

3# 2

4# 1 4# 2

3#

4#

7

	1


仅用于公示，他用无效

2

2-8

	1#	G-4				
		G-5				
		G-11				
		G-8				
		G-9				
	2#	G-6				
		G-6				
		G-4				
		G-5				
		G-11				
		G-4				
		G-5				
		G-11				
		G-7				
		G-11				
		G-7				
		G-11				
	3#	G-2				
		G-3				
		G-6				
		G-7				
		G-11				
	4#	G-1				
		G-10				
		-				
		-				
-						
		-		COD SS NH_3-N TN TP		
		-		COD SS NH_3-N TN TP		
		W-1		COD SS		+
		N-1				
		N-2				
		N-3				
		N-4				

		N-5				
		N-6				
		N-7				
		N-8				
		N-9				
		N-10				
		N-11				
		N-12				
		S-1				
		S-2				
		S-3				
		S-4				
		S-5				
		S-6				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				
		-				

3

1

2019 1 7

9

300 / 12000 / 500

/

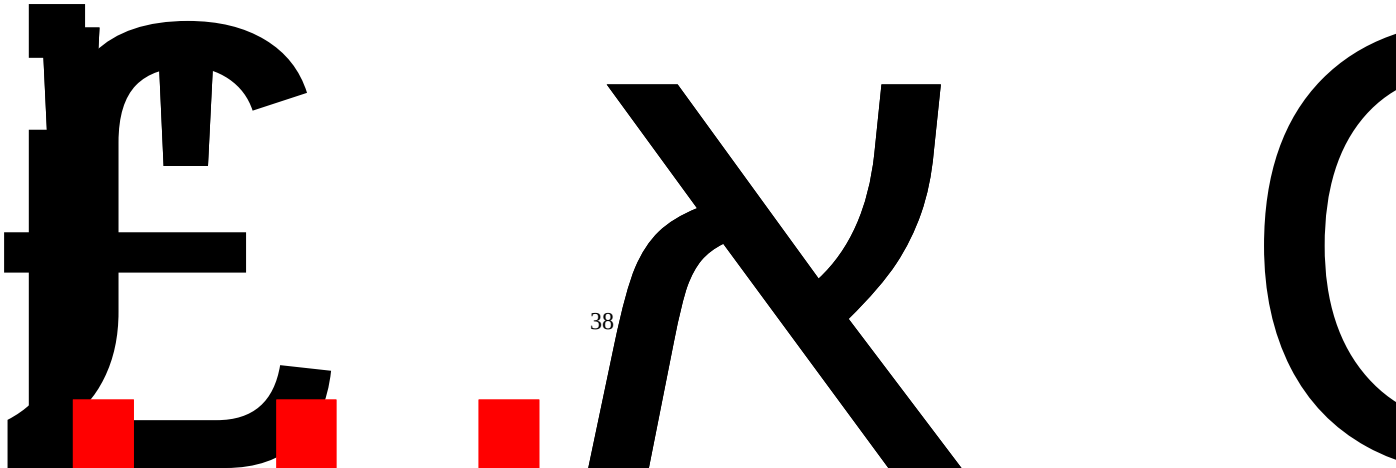
2020 6 20

2020 1811 2021 11 11

91320118MA1XQGDFXW001Z

2

2019 1 8 7.



3# 4# 3# 4#

8500

a. “ ”

b. “ ”

153000 “

”

c.

a. “ ”

1 1

d. “ ”

1

1

GB3095-2012

- HJ2.2-2018 D D.1

2021

300 4 82.2% 0.9

91 6 65

61 4 O_3 $PM_{2.5}$

$PM_{2.5}$ 29μg/m³ 6.5% PM_{10}

56μg/m³ NO_2 33μg/m³ 8.3% SO_2

6μg/m³ 14.3% CO 95 1.0mg/m³

9.1% O_3 8 52 14.2%

2.2

3-1 **μg/m³**

		μg/m³	**μg/m³**		
SO_2		6	60	10	
	98	/	15	/	
NO_2		33	40	82.5	
	98	/	80	/	
PM_{10}		56	70	80	
	95	/	150	/	
$PM_{2.5}$		29	35	82.9	
	95	/	75	/	
CO		/	4000	/	
	95	1000	10000	10	
O_3	8h	52		14.2%	

2021 O_3 GB3095-2012

2022

2022

“

” “ ”

2025 75%

5

TVOC

2020 Q7

2019 11 11 -2019 11 17

3-2 3-3

3-2 TVOC

			m		
Q7			1140	TVOC	

3-3 TVOC

					mg/m³	
Q7	TVOC	1	0.516	0.0606	0.2198643	0

TVOC -

HJ2.2-2018 D D.1

2

“ ”

42 100%

2020

12

GB3838-2002 III

GB3838-2002 II

W6

W7 1500m W8 500m

2019 11 11 -2019 11 13

3-4

3-4

						mg/L	pH	
			pH	COD	SS	NH_3-N	TP	
	W6		7.12	18	17	0.475	0.11	ND
			7.16	19	19	0.835	0.15	0.01
			6-9	20	30	1.0	0.2	0.05
		%	0	0	0	0	0	0
	W7 1500m		7.05	18	16	0.540	0.10	0.01
			7.10	20	18	0.732	0.19	0.01
			6-9	20	30	1.0	0.2	0.05
		%	0	0	0	0	0	0
	W8 1500m		7.02	15	13	0.192	0.09	ND
			7.04	16	15	0.535	0.17	ND
			6-9	20	30	1.0	0.2	0.05
		%	0	0	0	0	0	0

3 pH COD SS

3

534 2021 53.9dB

52.2dB 0.6dB

247 2021 67.6dB 0.1dB

65.8dB 0.5dB 28

2 97.3% 1.8 #~

93.8%

#~ Aî 36 ³ ɡ'mɯ " ć Ư

2014 34

GB3096-2008 3 50m

4

5

6

500

2

3-5

		m		
SW	270	150	450	GB3095-2012
SW	311	150	450	
SE	315	50	200	
W	500	50	200	

500

GB/T14848-2017

50m GB3096-2008 3

2 3-7

3-7 **mg/m³**

	6	1h	
	20		

2

GB8978-1996 4

GB/T31962-2015 1B

GB18918-2002 1

A 3-8

3-8 **mg/L**

	GB8978-1996 4 **GB/T31962-2015 1B**	**GB18918-2002 A**
COD	≤500	≤50
SS	≤400	≤10
NH_3-N	≤45**	≤5 8 *
TN	≤70**	≤15
TP	≤8**	≤0.5
	≤100	≤1
	≤20	≤1

* >12 ≤12 ** NH_3-N TN TP GB/T31962-2015

3

GB12348-2008

3 3-9

3-9 **dB A**

3	65	55	GB12348-2008

4

2021

- GB34330-2017 - GB5058.7-2019

GB18599-2020 - -

HJ2025-2012 GB18597-2001

2013

2019 149

2019 327

2020

120 2010 61

2019 - HJ942-2018

COD SS

1

1.

1 ₼ ₫

2

2.6m/s

NO_X CO 5.4-6.0 NO_X CO

100

30% 70

NO_X CO

2.

1

2

2

3.

200m

1

2

3

4

5

，

6

7

4.

2

1

1 / 80

2 4000m^3/h 300

20g 1600g 480kg

3.4% 16.32kg 3 900h/a

0.018kg/h 4.533mg/m^3 90%

60%

5.875kg/a 0.007kg/h

1.632mg/m^3 1.632kg/a 0.002kg/h

GB18483-2001

2 2

2mg/m^3

130-170 5-10 130

10

PP PE 300

Ü j Ö

0.35kg/t 7690t/a

2.6915t/a 0.498kg/h 12.461mg/m^3

90%

40 90%

8h 10h 300 5400h

4# 40000m^3/h

0.242t/a

0.045kg/h 1.121mg/m^3 0.26915t/a

0.05kg/h

GB31572-2015 5

0.3 kg/t 0.51115t/a

8500t/a 0.06kg/t

“ + ” “

+ ”

95% 95% 8h

300 4800h

1# 25000m^3/h

2# 15000m^3/h

3# 10000m^3/h 50000m^3/h

7000

2018

138

0.75t/a

5419t/a

0.014%

8790t/a

1.2306t/a 0.2

50000m³/h

1989.12 J.A.

G.A.

0.015-0.2kg/t 0.2kg/t

1.758t/a 0.733kg/h

14.65mg/m³ 0.079t/a 0.033kg/h

0.659mg/m³ 0.176t/a 0.073kg/h

90% 95%

8h 300 2400h

1# 25000m³/h

2# 15000m³/h

3# 10000m³/h 50000m³/h

1989.12 J.A.

G.A. “ ”

0.05kg/t 8790t/a

0.4395t/a 0.183kg/h 3.663mg/m³

0.02t/a 0.008kg/h

0.165mg/m³ 0.044t/a 0.018kg/h

2008 4 ,

0.1‰-0.4‰

0.4‰

3.16t/a 0.001264t/a

2019 327

4#

4-1

" ?

					1.427	0.0214	0.1026			0.07	0.001	0.0048
3#	10000				24.4	0.244	0.586	+	95	1.1	0.011	0.026
					6.1	0.061	0.1465	+		0.28	0.0028	0.0067
					8.55	0.0855	0.4102			0.4	0.004	0.0193
					43.95	0.44	1.0548	+		2.088	0.021	0.05
4#	40000				12.461	0.498	2.6915	+ +	90	1.121	0.045	0.242
	4000				4.533	0.018	0.01632		60	1.632	0.007	0.005875

4-2

	°		m					h	kg/h	
				m	m	m/s				
1#	118.921844E	31.376311N	10.711	15	0.7	18.054	25	4800	0.0178	
2#	118.921244E	31.375954N	10.484	15	0.5	21.231	25	4800	0.0178	
3#	118.921517E	31.375613N	11.445	15	0.4	22.116	25	4800	0.0388	
4#	118.921995E	31.376394N	10.933	15	0.9	17.474	25	5400	0.045	
	118.921834E	31.376428N	10.802	15	0.3	15.727	25	900	0.007	

4-3

				t/a	kg/h	* * m
4#				0.26915	0.05	33.3*23.4*5
3#				0.0089	0.00185	16.2*11.5*5
				0.00629	0.00262	
				0.0089	0.00185	24.3*11.5*5
				0.00629	0.00262	
				0.0089	0.00185	40.5*19.5*5
				0.00629	0.00262	
				0.022	0.0092	8.1*11.5*5
				0.053	0.022	
				0.00629	0.00262	
4#				0.022	0.0092	8.1*23.4*7.5
				0.0089	0.00185	
				0.022	0.0092	8.4*11.5*7.5
				0.0089	0.00185	
				0.00629	0.00262	
3#				0.022	0.0092	8.1*11.5*7.5
				0.0089	0.00185	
				0.00629	0.00262	
				0.022	0.0092	8.1*11.5*7.5
				0.0089	0.00185	
				0.00629	0.00262	
				0.022	0.0092	8.3*11.5*7.5
				0.022	0.0092	8.1*11.5*7.5
				0.022	0.0092	40.5*23.4*7.5

4-4

	°						
			m	**m**		**m**	**kg/h**
	118.921984E	31.376167N	33.3	23.4	5		0.05
	118.921319E	31.375743N	8.1	11.5	5		0.0338
	118.921866E	31.376215N	8.4	11.5	7.5		0.0137
	118.921518E	31.376038N	8.1	11.5	7.5		0.0137
	118.921416E	31.375952N	8.1	11.5	7.5		0.0137
	118.921287E	31.375861N	8.3	11.5	7.5		0.0092
	118.921609E	31.376065N	8.1	11.5	7.5		0.0092
	118.921609E	31.375780N	40.5	23.4	7.5		0.0092
	118.922113E	31.376252N	8.1	23.4	7.5		0.0111
	118.921232E	31.375857N	16.2	11.5	5		0.0045
	118.921364E	31.375937N	24.3	11.5	5		0.0045
	118.921484E	31.375684N	40.5	19.5	5		0.0045

2

4-5

		mg/m³	**kg/h**	**mg/m³**	**kg/h**		
1#		0.712	0.0178	20	/	GB31572-2015 5 9	
2#		1.187	0.0178	20	/		
3#		3.868	0.0388	20	/		
4#		1.121	0.045	60	/		
		1.632	0.007	2	/		

3

4-7

		m^2		m	m/s	m^3/h	m^3/h	%
		1	18	0.3	0.6	39852	40000	90
1#		1	11	0.3	0.6	24732	25000	90
2#		1	6	0.3	0.6	13932	15000	90
3#		1	4	0.3	0.6	9612	10000	90

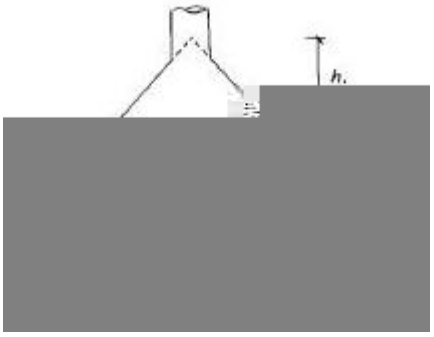
90 120

h 0.3

L

90% 90%

GB/T16758-2008



4-1

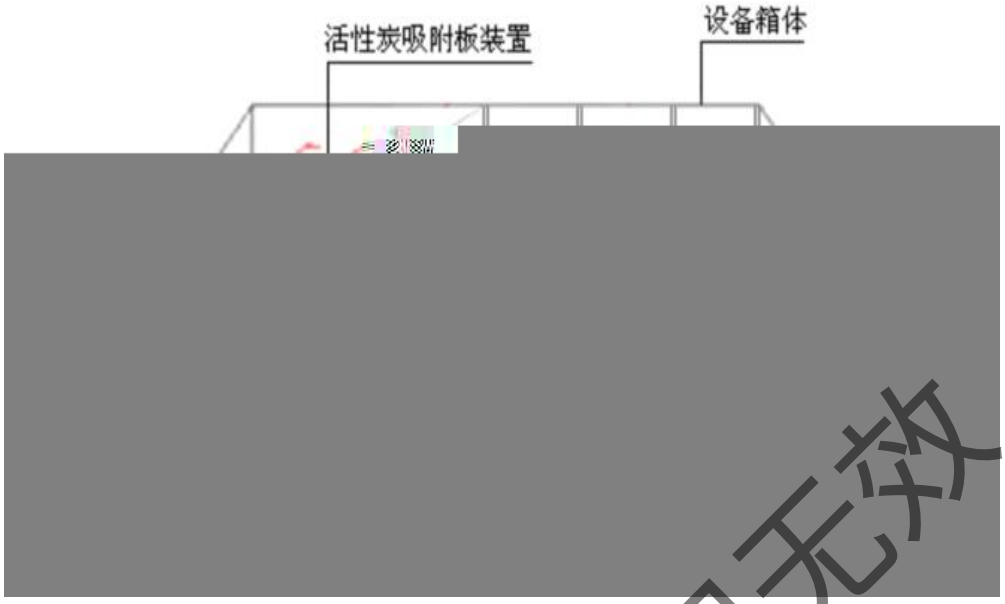
4

20[ ]=10^{-10}

20-1000 1000-100000

500-1700m^2/g æ o j g ƒ m "

É ¼



4-2

2021 65

800mg/g

HJ2026-2013

4-8

			300×200×50 mm
	0.5-0.6mm		(380-450)kg/m^3
	800m^2/g		≥90%
	<0.3Mpa		<0.8Mpa
	<120		4# 88
	150 /		
	450Pa(1.0m/s 50cm)		
	800mg/g		
/			

		/				
HXT-8	40000m^3/h	0.9t	700-800Pa	1750kg	≥90%	4500×1500×2450 mm

,

GB/T6719-2009

4-9

	18.054m/s	0.385m^2 1#		300-1200Pa	1-2	≥95%
	21.231m/s	0.197m^2 2#				
	22.116m/s	0.126m^2 3#				
	17.474m/s	0.64m^2 4#				

5

- HJ1122-2020 A.2

4-10

		HJ1122-2020			
		+ /			
		/			

-

7000

2018

138 +

15m

4-11 **7000**

2018.9.27	1#			kg/h	0.128
					0.004
				%	96.88
2018.9.28	1#			kg/h	0.131
					0.004
				%	96.95

2018 017___

\+ 15m

= < ů ů ů ů ů Ů M

4-12

ń ɔ M f - א m

4-13

	m	m	m^3/h	m/s	
1#	15	0.7	25000	18.054	
2#	15	0.5	15000	21.231	
3#	15	0.4	10000	22.116	
4#	15	0.9	40000	17.474	

DB32/4041-2021

4.1.4 25m

15m

14.5m 15m

HJ2000-2010

15m/s

17.474m/s-22.116m/s

GB/T16157-1996

6

3 D

2AB/(A+B) A B

80mm 50mm

40mm

1.5m^2 1.1m

1.2-1.3m

7

0%

-

50%

4-14

/% **t/a**

b

c

1

2

3

4

5

6]

7

VOCs 1

3 VOCs

VOCs 4# 4

4-15

4-15

		4#	1#		1 /
		3#	2#		1 /
		3#	3#		1 /
		4#	4#		1 /
		3# 4#			1 /
					1 /
					1 /

1

960t/a

COD SS

COD400mg/L SS300mg/L 30mg/L 45mg/L

3mg/L

2016t/a COD SS

COD50mg/L SS100mg/L 200mg/L 50mg/L

384t/a

COD SS

	COD400mg/L SS300mg/L 30mg/L 45mg/L 3mg/L 100mg/L 4-16

4-16

(t/a)		(mg/L)	(t/a)		(mg/L)	(t/a)	mg/L	t/a
	COD	400	0.384		340	0.326	50	0.0480
	SS	300	0.288		240	0.230	10	0.0096
960	NH_3-N	30	0.029		30	0.029	8	0.0077
	TN	45	0.043		45	0.043	15	0.0144
	TP	3	0.003		3	0.003	0.5	0.0005
	COD	50	0.101		50	0.101	50	

+

2016

			30	0.101		6	0.02	0.6	0.002	

1

4-17

COD
SS
NH_3-N
TN TP

TW
01

COD
SS

DW0
1

2.

4.0 m^3/d 2.0 m^3/d

2.0 m^3/d 2017 11

2018 11 2019 24

11.2t/d

0.028%

3.

+

4.

B/C

2020

46 15% COD 20% SS

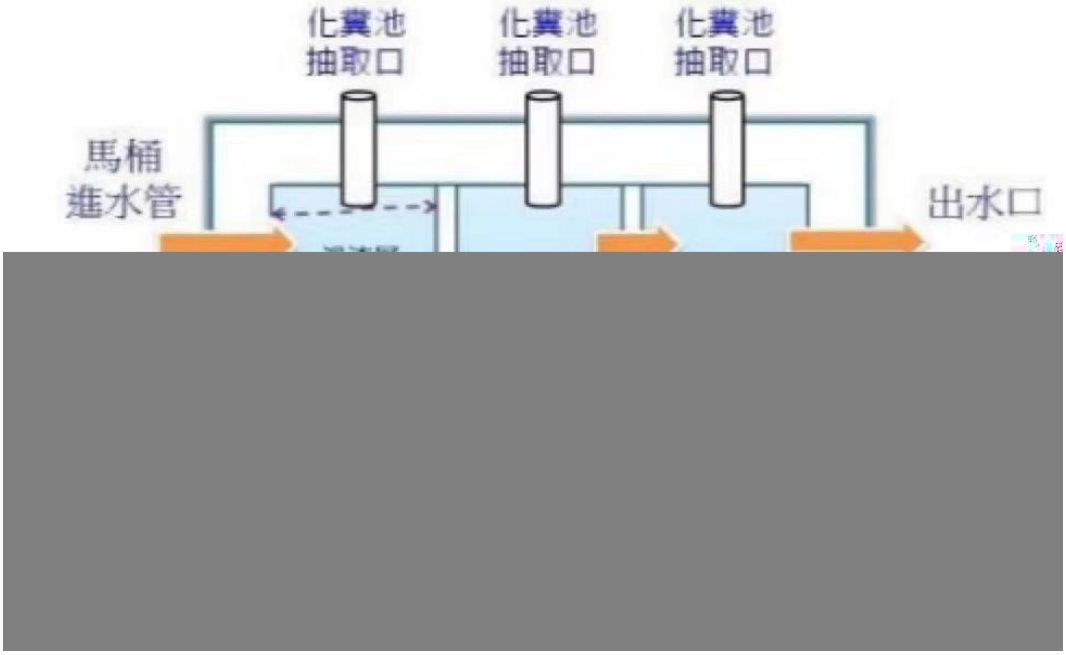
3.2m^3/d 5m^3/d

4-19

4-19

			mg/L				
	t/a		COD	**SS**	NH_3-N	TN	TP
	960		400	300	30	45	3
		%	15	20	0	0	0
			340	240	30	45	3

	/	≤500	≤400	≤45	≤70	≤8



4-4

2002 23 2

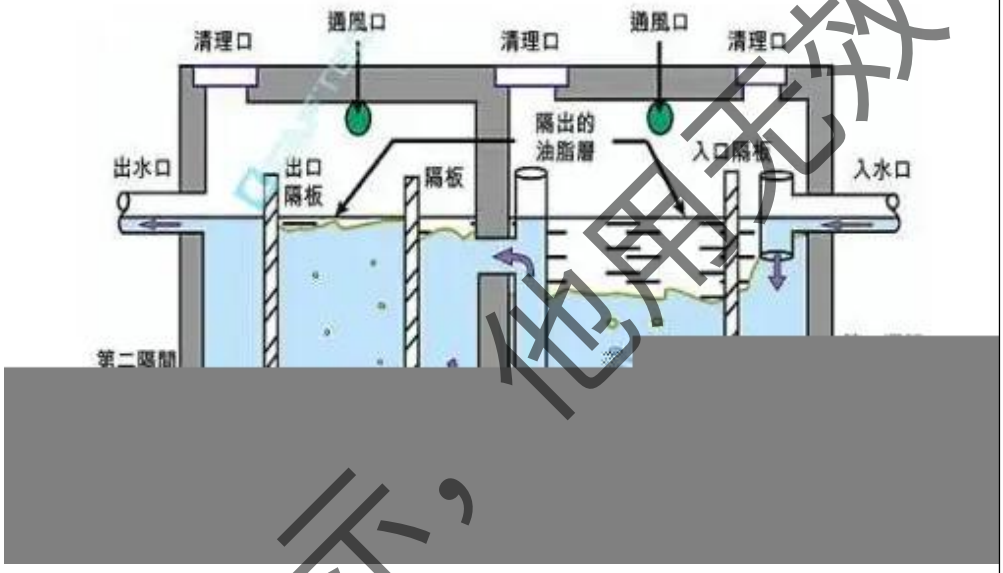
90%

80%

φ ג א4 / m א m " γ # א Ƶ Ş ג

4-20

	t/a		mg/L					
			COD	**SS**	**NH_3-N**	**TN**	**TP**	
	384		400	300	30	45	3	100
		%	0	0	0	0	0	80
			400	300	30	45	3	20
		/	≤500	≤400	≤45	≤70	≤8	≤100



4-5

2021 50 SS 80%

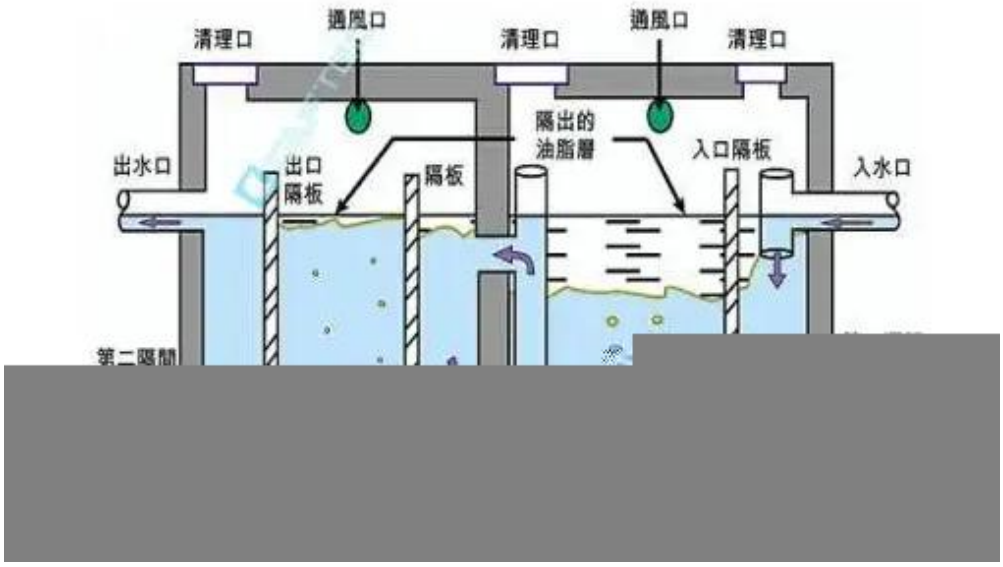
2018 1

80%-90% 50%

+ 4-21

4-21 +

	t/a		mg/L			
			COD	**SS**		
+	2016		50	100	200	50
		%	0	50	0	80
			50	50	200	10
		/	≤500	≤400	/	≤20



4-6

+

5.

2008 251 4.0 m^3/d

2.0 m^3/d 2.0 m^3/d

2009 2011

2012 9 12 2013

2016 11

A^2/O V

2017 11

- HJ1207-2021

4-22

4-22

1			1 / 4	- GB11901-89 -
2			1 / 4	HJ/T399-2007 - -
3			1 / 4	- HJ668-2013
4	DW0 1		1 / 4	

	70-95dB A 25-30 dB A 25 dB A 4-23

4-23 **dB A**

		/	/			m					
1		6	90	( ) 1984	97.78	71.4	29	94	35		25
2		6	90	2017 32 5	97.78	71.4	29	94	35		
3		6	80	2021	87.78	71.4	29	94	35		
4		6	85	( ) 1984	92.78	71.4	29	94	35		
5		6	80	1986	87.78	60.4	30	102	35		
6		4	85	2017 32 5	91.02	132.4	12	34	33		
7		4	80	1986	86.02	118.4	12	48	33		
8		2	80	2015	83.01	118.4	12	48	33		
9		2	85	2017 32 5	88.01	118.4	33	45	18		
10		2	80	1986	83.01	109.4	33	56	18		
11		1	85		85	152.4	35	10	18		

			2017	32	5					
12	1	85	2017	32	5	85	152.4	35	10	18
13	2	80	1986			83.01	152.4	35	24	18
14	3	80	1999	9		84.77	151.4	23	13	24
15	3	95	1993	7		99.77	151.4	23	13	24
16	1	70	2019			70	67.6	30	102	18
17	2	85	2017	32	5	88.01	138.4	40	26	18
18	2	85	2017	32	5	88.01	153.4	40	12	18
19	2	85	2017	32	5	88.01	80.4	39	84	18
20	3	[illegible]	T 2017	32	5	89.77	80.4	39	84	18

Ļ ƀ m " ĐmV ļ " & # א Ï Ő į א R

23		1	80	( ) 1996 3	80	37.4	32	129	38
24	1#	1	90						

2

2014 34 8

GB3096-2008 1 3 4-24

4-24

$L_S=20\lg\ r/r_0$

r m

r_0 $r_0=1.0m$

$L_{Tp}=L_{pi}\ \ 10\log n$

L_{Tp} dB A

L_{pi} dB A

n

4-25

4-25 **dB A**

		44.55	
		52.88	
		53.76	65
		52.67	
		44.55	
		52.88	
		53.76	55
		52.67	

3

GB12348-2008

3 ≤65dB A ≤55dB A

4-26

GB34330-2017

35.16t/a

7

0.879t/a

8

3.843t/a

9

282t

282t/a

10

0.15t/a

11

8 3 32 1kg

0.032t/a

12

300 /

0.006t/a

13

2.4t/a 20% 80%

1.92t/a

14 2.4t/a 50kg

48 50kg/ 5kg

0.24t/a

15 2.4t/a

10% 0.24t/a

16 2.4t/a

25kg/ 96 25kg

1.2kg 0.1152t/a

17 500kg/

2500 / 500kg/

50kg 125t/a

18

2.18t/a

〔2021〕218

10% 21.8t/a 23.98t/a

2.18t/a

1.8t 7.2t

$T=m\times s\div c\times10^{-6}\times Q\times t$

T—

m— kg 7200kg

s— % 10%

c— VOCs mg/m^3

Q— m^3/h

t— h/d

4#

$7200\times10\%\div 12.461-1.121 \times10^{-6}\times40000\times18 =88$

4# 88

23.98t/a

19

100g/ 200g 400

0.12t/a

20

0.101t/a 80%

0.0808t/a

12					1.92	√	/	
13					0.24	√	/	
14					0.24	√	/	
15					0.1152	√	/	
16					125	√	/	
17					23.98	√	/	
18					0.12	√	/	
19					0.0808	√	/	

GB/T39198-2020

2021

4-28

4-28

									t/a	
1						/	99	900-999-99	12	
2					2021	/	99	900-999-99	7.2	
3						/	99	900-999-99	0.0304	

4						/	49	292-009-06	30.16		
5						/	49	292-009-06	0.03		
6						/	66	292-009-06	0.879		
7						/	66	292-009-06	3.843		
8						/	06	292-009-06	282		
9						/	99	292-009-06	0.15		
10						/	99	900-999-99	0.032		
11						/	99	900-999-99	0.006		

12							T I	HW08	900-217-08	1.92	
13							T I	HW08	900-249-08	0.24	
14							T I	HW08	900-214-08	0.24	
15							T I	HW08	900-249-08	0.1152	
16							T/In	HW49	900-041-49	125	
17							T	HW49	900-039-49	23.98	
18							T/In	HW49	900-041-49	0.12	
19							T I	HW08	900-210-08	0.0808	

4-29

t/a

2.

333.26t/a

28t 50m^2

GB18599-2020

1

2 GB15562.2

3

4

5

3.

GB18597-2001

5

2019 104

2019 149

2019

327

2020 401

1

2

2019 327

4.

1 50m^2

151.6962t/a

3.16t

53 1 2 0.4m^2

21.2m^2 0.4m^2 0.8m^2

200kg 7 200kg

0.4m^2 2.8m^2

25.2m 50m^2

4-30

4#

100mm

4-31

1			HW08	94600 /	2021.12-- 2025.10	
			HW49 309-001-49 900-039-49 900-040-49 900-041-49			

			900-042-49 900-045-49 900-046-49 900-047-49 900-999-49			

GB18599-2020

GB18597-2001

1

2

3

6.

GB18597-2001

70mm

GB18597-2001

1m 10^{-7}cm/s 2mm

2mm 10^{-10}cm/s

2019 149

GB15562.2-1995

2019 327 1 2

GB15562.1-1995

GB15562.2-1995 4-32

4-33

4-32

4-33

1				
2				
3				

GB18597-2001

HB/T2025-2012

GB15562.2-1995

4-34 4-35

4-34

1			200cm
2			， ， ， ， 200cm ，
3			200cm

4


危险废物贮存设施
（第×-×号）
企业名称：××××××××××××
责任人及电话：××××××××××
管理员及电话：××××××××××
本设施环评批文：××××××××××
本设施建筑面积（容积）：×××××
本设施贮存危险废物：××××××××
危险特性：×××××××××
危废环评批文：×××××××××
环境污染防治措施：
××××××××××××
××××××××

2019 327 4-36

4-36 2019 327

1		151.6962t/a	
2			
3			
4			
5			
6			
7	2019 149 GB15562.2-1995 2019 327 1 “ ”		
8			
9		4#	
10	2019 327 2 “ ”		

11	GB34330-2017	GB34330-2017	
12			

“ ” א i m } ¸

2

“

”

“ ” “ ”

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

6m

HDPE

$\leq1.0\times10^{-7}$cm/s

1.5m

4-38

		≤10^{-7}cm/s	<1.0×10^{-7}cm/s 6m
		≤10^{-7}cm/s	HDPE
		≤10^{-7}cm/s	
		≤10^{-7}cm/s	≤1.0×10^{-7}cm/s 1.5m
		≤10^{-7}cm/s	
		≤10^{-7}cm/s	
		≤10^{-7}cm/s	
		/	

3

-

(HJ964-2018)

- (HJ610-2016)

9

1

HJ169-2018

4-39

4-39

			t		
1	PE		7.675		
2	PP		7		
3	ADK STAB NA-11		1.05		
4	GLYCERIL-MONOSTEARATE 90-95		2.1		
5	EBS		1.475		
6	GM-100		1.475		
7			1.675		
8	Tinuvin-329		2.1		
9	Tinuvin-770 DF		2.1		
10	GT-300		0.425		
11			10.42		
12			0.2		
13			0.02		
14			0.2		
15			0.0096		
16			2		
17			0.01		
18			0.0808		

2 Q

HJ169-2018 C

B

Q

Q

$$Q = \frac{q_1}{Q_1} + \frac{q_2}{Q_2} + \ldots + \frac{q_n}{Q_n}$$

q_1 q_2 …q_n———— t

Q_1 Q_2 …Q_n———— t

Q<1

Q≥1 Q 1 1≤Q 10 2 10≤Q 100 3 Q≥100

HJ169-2018 B

B.1 B.2

Q 4-40

4-40

		t	Q t	q/Q
PE		7.675	/	/
PP		7	/	/
ADK STAB NA-11		1.05	200	0.00525
GLYCERIL-MONOS TEARATE 90-95		2.1	200	0.0105
EBS		1.475	200	0.007375
GM-100		1.475	200	0.007375
		1.675	200	0.008375
Tinuvin-329		2.1	200	0.0105
Tinuvin-770 DF		2.1	200	0.0105
GT-300		0.425	200	0.002125
		10.42	/	/
		0.2	2500	0.00008
		0.02	/	/
		0.2	2500	0.00008
		0.0096	/	/
		2	100	0.02
		0.01	50	0.0002
		0.0808	50	0.001616
		-	-	0.083976

Q<1

2

HJ169-2018

4-41

4-41

	+			

3

CO_2 SO_2 CO

4

1

2

3

4

5

6

1

2

3

4

5

6

7

8

	HJ169-2018 Q 1

I

	( )/			
	1#		+ + +15m	GB31572-2015 5 9
	2#		+ + +15m	
	3#		+ + +15m	
	4#		+ +15m	
			+	
			/	GB31572-2015 5 9 DB32/4041-2021 2
			/	
			/	
			/	
			/	
			/	
			/	
			/	
			/	
			/	
			/	
			/	/
		COD SS NH_3-N TP TN		GB8978-1996 4 GB/T31962-2015 1B
		COD SS	+	
		COD SS NH_3-N TP TN		

				GB12348-2008 3
	/	/	/	/
	GB18597-2001			
	/			
	1. 2. - HJ942-2018 3. 1 2 3 1996 470 4			

	GB15562.1-1995 5 2m


仅用于公示，他用无效

t/a

		/	/	/	0.242	/	0.242	+0.242
		/	/	/	0.21	/	0.21	+0.21
		/	/	/	0.006	/	0.006	+0.006
		/	/	/	0.27	/	0.27	+0.27
		/	/	/	0.03	/	0.03	+0.03
		/	/	/	0.0017	/	0.0017	+0.0017
		/	/	/	3360	/	3360	+3360
	COD	/	/	/	0.581	/	0.581	+0.581
	SS	/	/	/	0.446	/	0.446	+0.446
	NH_3-N	/	/	/	0.04	/	0.04	+0.04
	TN	/	/	/	0.06	/	0.06	+0.06
	TP	/	/	/	0.004	/	0.004	+0.004
		/	/	/	0.403	/	0.403	+0.403
		/	/	/	0.008	/	0.008	+0.008
		/	/	/	0.02	/	0.02	+0.02
		/	/	/	12	/	12	+12

		/	/	/	7.2	/	7.2	+7.2
		/	/	/	0.0304	/	0.0304	+0.0304
		/	/	/	30.16	/	30.16	+30.16
		/	/	/	0.03	/	0.03	+0.03
		/	/	/	0.879	/	0.879	+0.879
		/	/	/	3.843	/	3.843	+3.843
		/	/	/	282	/	282	+282
		/	/	/	0.15	/	0.15	+0.15
		/	/	/	0.032	/	0.032	+0.032
		/	/	/	0.006	/	0.006	+0.006
		/	/	/	1.92	/	1.92	+1.92
		/	/	/	0.24	/	0.24	+0.24
		/	/	/	0.24	/	0.24	+0.24
		/	/	/	0.1152	/	0.1152	+0.1152
		/	/	/	125	/	125	+125
		/	/	/	23.98	/	23.98	+23.98
		/	/	/	0.12	/	0.12	+0.12
		/	/	/	0.0808	/	0.0808	+0.0808

= + + - = -

1

2

3

4

5 500m

6

7

19. MSDS

20.