1
2
3
4
5
7
8
9
10
11
12

1
2
3
4
5
6

	1000		27
	2508-320582-89-01-995399		
			18752537533
		2	
	120 34 5.86		31 58 49.51
	C2922 C3029		29 292 55 302
/		/	2025 2464
	18000		900
%	5%		12
	☑ ☐ _____	**m²**	

2021-2035

1 **2011-2030** **2018**

1

2020 215 2030 265

2020

281.00 2030 319.45

2

2

2011-2030 2018

4-1

2 **2016-2030**

1

2016-2030

40.48

1.2 m^3/d

3 m^3/d

2.4 m^3/d 0.6 m^3/d

3

35kV

4

“ ”

2 /

5

300t/h

3

2

2016-2030

4-1

3 **2022-2035**

1

2022-2035

15%

2025

5

2035

10

2

2025

2035

1

2

3

“ ”

1 “ ”

1000 /

3000 /

5000 / 2500 /

1500 / 500 / 440

/ CVC / C 440 / 220 /
/
4

“ ”

2
2
4-3

4 **2022-2035**

2023 4

2023 10

7 2023 7

1-1

1-1

1

2020-2030

2020-2030

2021 36

2

ã

4		
5		VOCs

2022-2035

5 **2021-2035**

2021-2035

4-2

6 **2021-2035**

2021-2035

2025 5

1 2035

38.4289 34.7435

0.2568

6.2145 2020

1.2000

2

3

4

2

2021-2035

5

2021-2035

1

1

2021-2035

1.71km

2020 1

2021 102

2022 145

1.63km

1-2 1-3

1-2

				km	
		120°36′8.80″E 31°59′23.48″N 500 500 500 100	4.43	1.71	
		3500 1500 100			

1-3

				km	
			12329.4462	1.63	

		8	149.3206	2.87	
		5.5 500	135.6696	5.52	

2

1.71km

5.52km 1.63km

2.87km

2

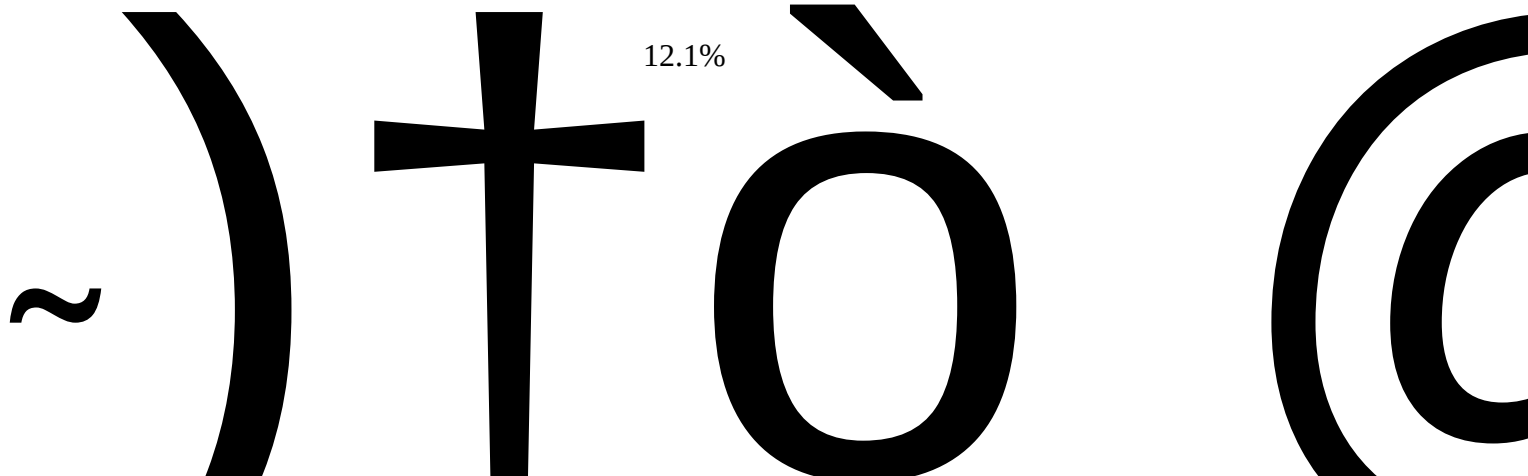
2

2024 2024

135 180 86.1% 3.6%

4.10 1.9%

12.1%



2027

2035 26 /

2024 2024

15 36 63.

25 ~ 100%

4 7 ~ 100%

31 16 15

51.6% 3.2

10 17

100%

4

2025

2022-

2035

1-4

1-4

1

“

			2 3 4	
			1 2 3	
			1 “ ” 2 3 “ ”	
			1 2 3 4	

	1 “ ” 2 34.5 3 38.06 “ ” 4 34.77 5 “ ”		1 4- 3 2 3 4 5
	1 2 3 5.11.5-1		

1

2

“

/ ”

2019 123

2019 123

3

2

2011-2030 2018

2016-2030

2024

2013

2013

4 **2023**

2023

2

1-5

1.

2.

d

3.

c

1%

15

4.

2015 2030

2017 2035 5

5.

1

1.

2.

2

1. 1

2

2.

	1 2 3		
	1 2		

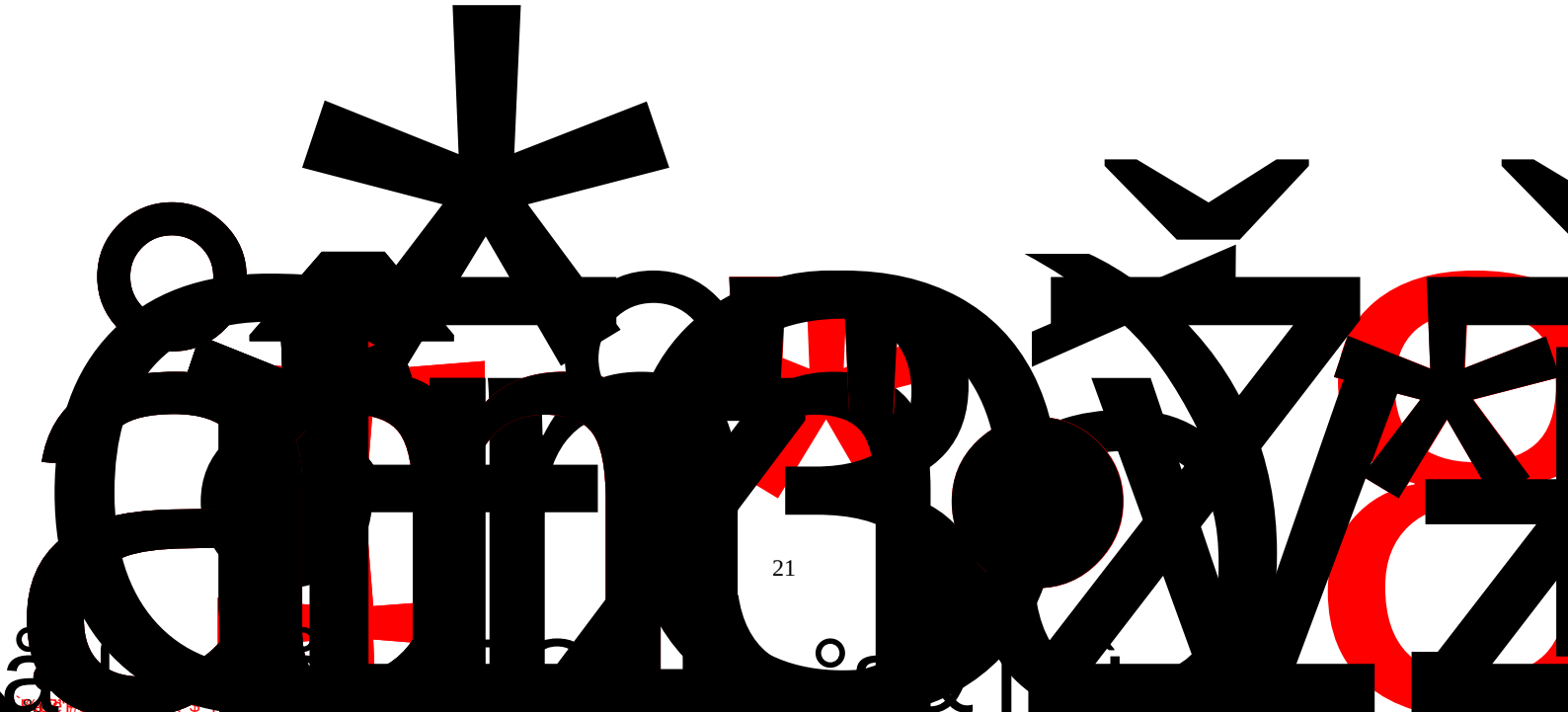
2023

5 2023

2023

477

-



		2023 9 7

2023

6.

2012 221

604 2021 9 29

604

2021 9 29

7 **2022**

2022

1-7

	2022		
1	2015 2030 2017 2035		
2			
3			
4			
5			

6			
7	“ ” 332		
8			
9		2021 2025 2025 4	
10			
11			
12			
2022			
1	2015-2030 2017- 2035		

	2			
	3			
	4			
	5			

16			
17			
18			
19			
20			

2022

2022

8

1-8

		900

		HJ942-2018 HJ819-2017 HJ 1207-2021 HJ848-2017 2022 2022 5

9

1

2021 65

2021 65

1-9

VOCs

VOCs

0.3

3

•

0.5%

5

VOCs

VOCs

VOCs

800mg/g

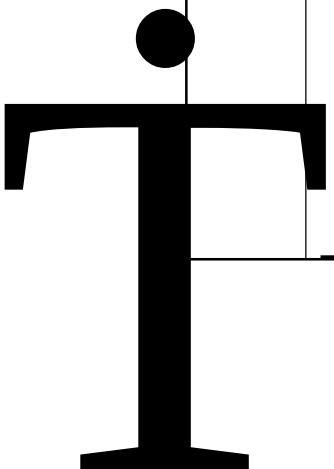
RTO

800mg/g

650mg/g

1100m 2/g

BET



	40000h -1 VOCs RTO 760 CO 300 VOCs VOCs	

2021 65

HJ 1207-2021

3

HJ848-2017

2022

GB 33372-2020 VOCs	

<

> 2021 2

11 **GB33372-2020**

1,2- 1,l,1- l,l,2-

GB30982

GB19340

99

2017 278

2

2022 70

1-13 **2022 70**

2022 70

12

2025 28

2025 28

	C3029 C2922 2023

2.1

2021 07 2021 9

2022 3 14

2022 82 0034

5400 50 2023 10 23

2023 12

67192.35

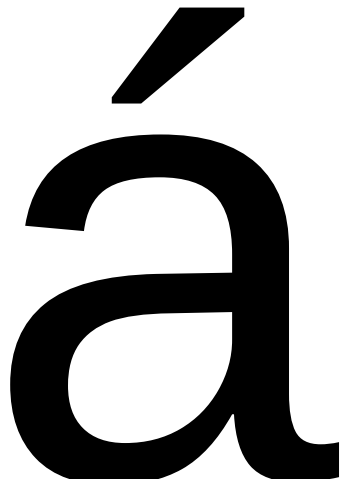
2025 9 5400

2000

5400 2000

1000

27



2.2

1000 27

2

18000

67192.35

173117.08

1000 27

2025 2464 :

2023 1054

Ü

220 6

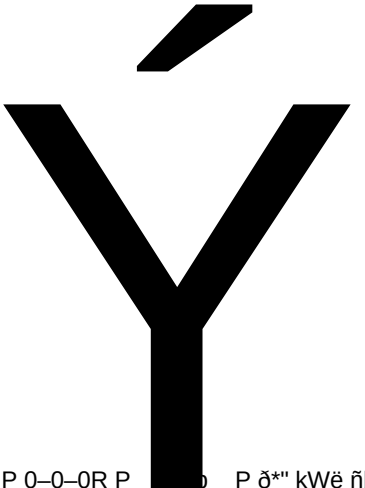
300 3 8h

7200h

2.2.1

Ü

			5400	5400		
					0	
			/	/		
30kg/ 10m			2000	2000		
1m					0	7200
3mm/4mm			/	/		
			50	50		
20kg/25kg	JC/T984-2011		/	/	0	7200
		1 :	1000			
1.2mm/1.5mm	GB18173.1-2012	0		+1000	7200	x
			/	/		
	GB/T23457-2017					



F R P ™Dp 0P 0–0–0R P ð P ð*" kWë ñb 3•(€P c c ‘ ™P ™P P • 1 P R" P H18… ±? • P" P hY D7&x—C

1000 /

27 /

2.2.3

2.2.4

2-5

2-5

		11211.12m^2,	27	11211.12m^2 27	
		/	19038.25m^2 1000	19038.25m^2 1000	2023 1054
		7631.36m^2 4	/	7631.36m^2 4	
		17067.76m^2 4 1	/	17067.76m^2 4 1	

4

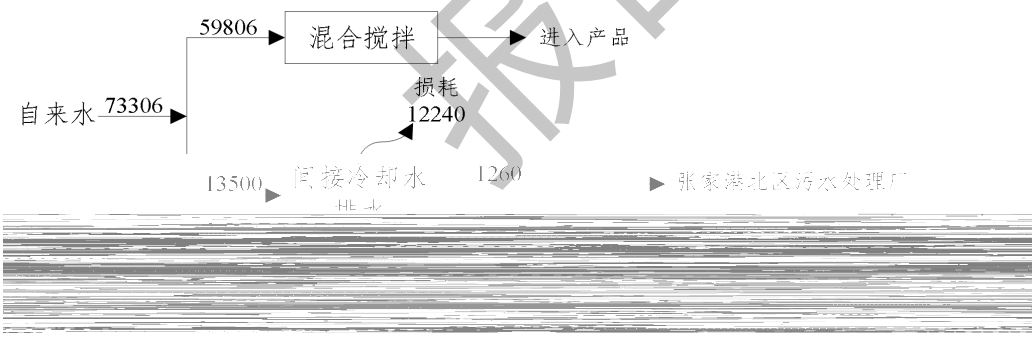
			400m³/h		400m³/h 1 200m³/h
			/	DA012 18m	DA012 18m
			/	DA013 28.7m	DA013 28.7m
			/	DA014 18m	DA014 18m
			/	DA015 18m	DA015 18m
			DA006 28.7m	/	DA006 28.7m
			1 +2 +2 +2 RTO	/	1 +2 +2 +2 RTO

				DA001 30m DA002 30m	/	DA001 30m DA002 30m	
				DA008 28.7m	/	DA008 28.7m	
				2 + +RTO DA009 30m DA0010 30m	/	2 + +RTO DA009 30m DA0010 30m	
				DA003 27m DA004 30m DA005 30m	/	DA003 27m DA004 30m DA005 30m	

		DA007 DA011 18m	/	DA007 DA011 18m	
					/
		267m²		267m²	/
		599.76m²		599.76m²	/
		432m³		432m³	/
		425.2m³		425.2m³	/

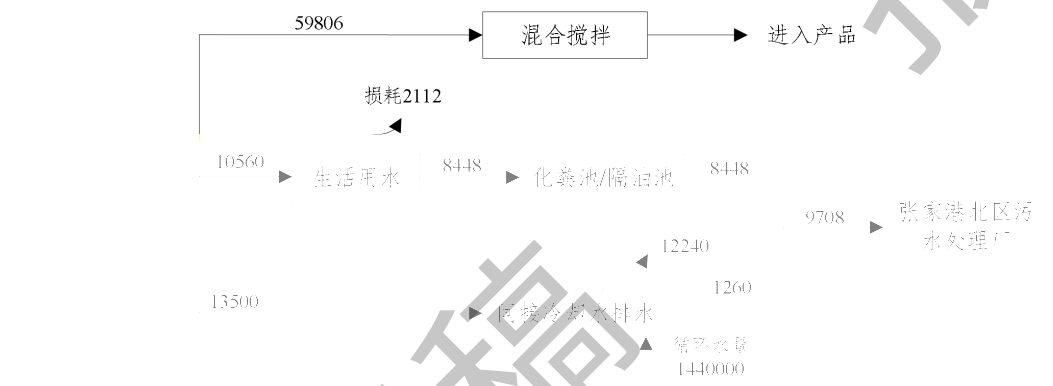
2.2.5

2-1



2-1

2-2



2-2

2.2.6

2-6

2-7

2-6

	t/a		t/a
	6000		11895.9
	2400		0.745
	3500		3.179
/			0.176
	11900		11900

2-7

	t/a		t/a

	50000			270000
	30000			0.383
K	50000			2.866
	60000			3.132
	5000	/		
VAE	15000			
	200			
	59806.381			
	270006.381			270006.381

2.2

2.3

2.3.1

2-3

12 ,

1

2

3

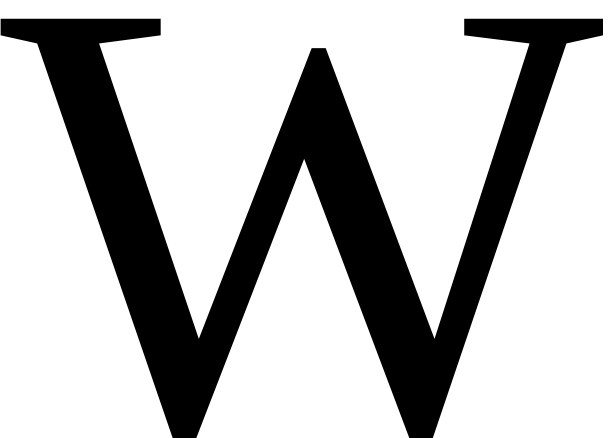
4

2.3.2

1

W1

W2



S8

2.3.3

2-8

2-8

G1-1	
G1-2	
G2	
G3	
G4	
G5	
G6	
G7	
G8	
G9	
W1	COD SS
W2	COD SS
S1	
S2	
S3	
S4	
S5	
S6	
S7	

2.4

2.4.1

2021 7

2 2021 9

2022 3 14

2022 82 0034

2023 10 27

2023 12 67192.35

2025 9

5400 2000

2-9

2-9

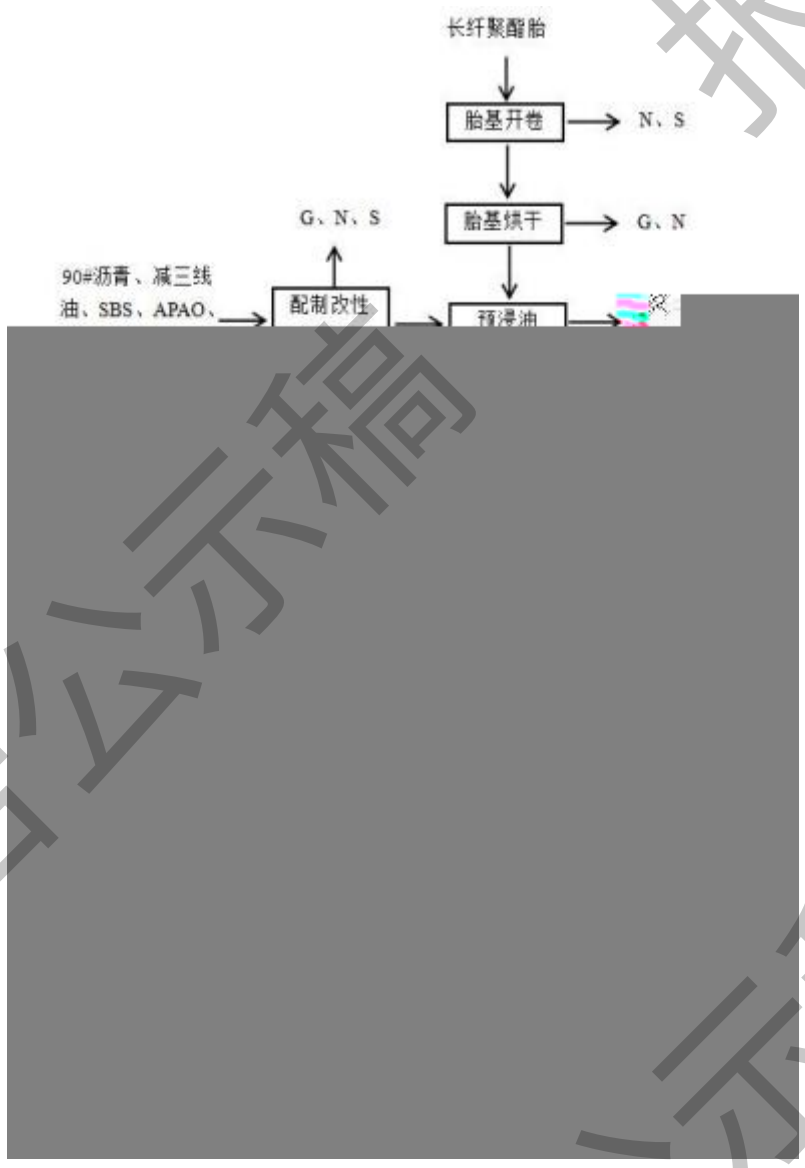
	5400 50	2022 82 0034 2022.3.14		2023.10.27
5400 2000	5400 2000			/

2-10

				h	
		5400 /	5400 /	7200	
		50 /	50 /	7200	

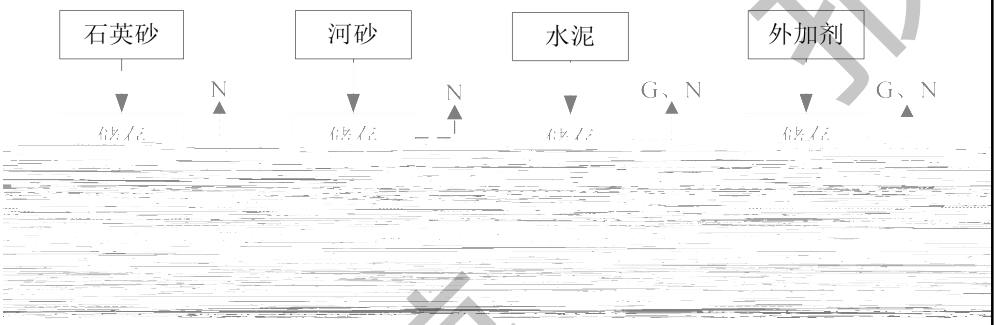
		5400 /	5400 /	7200	
		2000 /	2000 /	7200	

2-11



2-6

2



2-7

2.4.3

1

[a]

2-12

2-12

DA001 DA002			[a] SO_2 NO_X	1 +2 +2 +2 RTO	

DA006				1	
DA003					
DA004 DA005				2	
DA007			SO_2 NO_X	/	DA007

2

/

2-8

2-8

3

4

2-13

2-13

/

3				HW08	900-249-08	0.3	
4				HW08	900-249-08	8.12	
5				HW08	900-210-08	1	
6				HW49	900-041-49	31.12	
7				HW08	900-249-08	9.62	
8				/	/		

267m^2

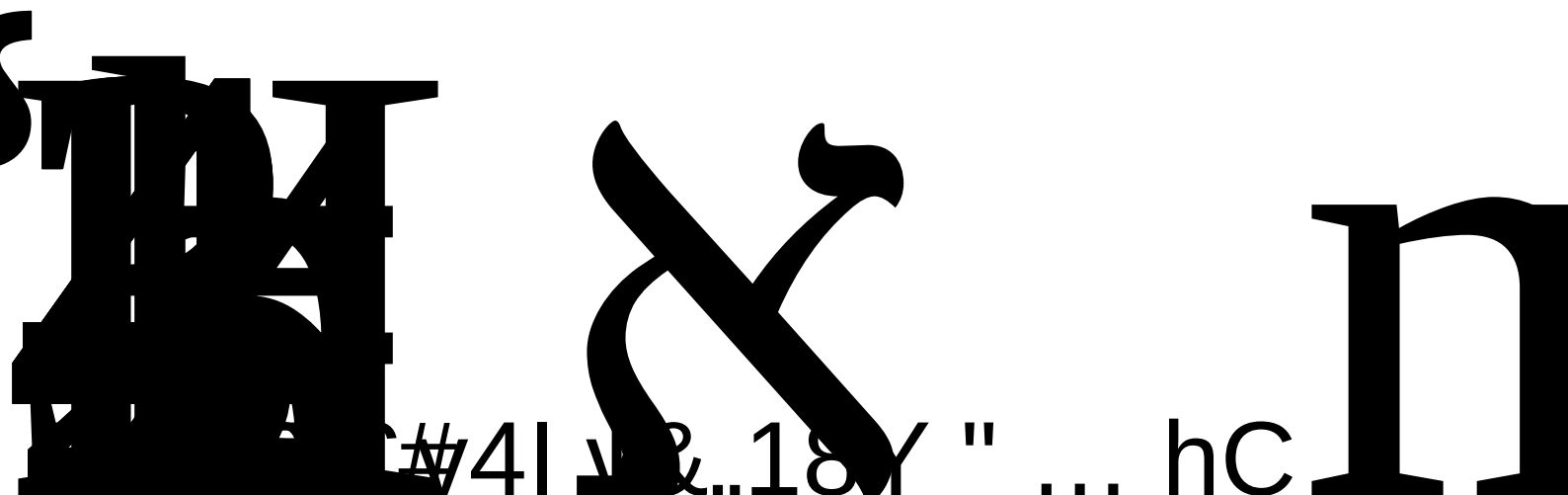
GB18597-2023

599.76m^2

2.4.4

2024

HY2403111042-101 HY2403111042-2



			469	17	0.30					
		[a]	17384	ND 2*10-5	3.5*10-7		0.0003	0.0000009		
			17711	ND 3	0.053		200	/		
				6.75	0.12		200	/		
2024.03.23	DA002		20170	1.3	0.025		20	1		
			19375	ND 17	0.33		20	0.11		
		[a]	19606	ND 2*10-5	3.9*10-7		0.0003	0.0000009		
			19606	ND 3	0.059		200	/		
			19606	8	0.16		200	/		
2024.03.23	DA004		8068	1.2	9.8*10-3	DB32/4149-2021	10	/		
2024.03.23	DA005		6840	1.2	8.4*10-3		10	/		
2024.03.23	DA006		610	1.2	7.5×10-3	DB32/4041-2021	20	1		
2024.05.10	DA007*		7293	ND 3	0.021	DB32/4385-2022	35	/		

				49	0.28			50	/	
				1.5	9.0*10^{-3}			10	/	

ND DA001 DA002

VOCs

DA007

2-15

			mg/m^3		**mg/m^3**	
			16	GB14554-93	20	
			ND 0.168		0.5	
2024.03.23			0.68		4	
		[a]	ND 1.4*10^{-7}	DB32/4041-2021	0.000008	
			0.56		6	

ND

DA001 DA002 DA006

DB32/4041-2021 DA003

DA004 DA005

DB32/4149-2021 DA007

DB32/4385-2022

[a] DB32/4041-2021

GB14554-93

2

2-16

			dB A		dB A		
2024.03.23	1	GB12348-2008	65	55	62	53	
	1				61	52	
	1				58	50	
	1				56	48	

GB12348-2008 3

2.4.5

89%~90% 2-17

2-17

		t/a	t/a *
		2.492	0.1231
		0.964	0.9468
		2.002	1.116
	[a]	0.000002	/
		0.904	/
		2.292	0.1894
		0.008	/
		1.3	
	[a]	0.000001	/
		0.476	/
		1.207	/
		8488	0
	COD	3.379	0

	SS	1.690	0
		0.296	0
		0.0338	0
		0.507	0
		0	0
		0	0
		0	0

= * /

2.4.6

100

2.4.7

1

$432m^3$

2

3

“ ”

1

2

3

2.4.8

2-18

2-18

2022 82 0034		
1	5400 50	5400 50
2	“ ”	
3		
4	( ) RTO 30m	DA006 28.7m 1

+2

18m +2 +2 RTO

DA001

30m 30m DA002 30m

DA003 27m

DA004

30m

DA005 30m

DA0011 18m

5

(GB12348- GB12348-2008 3

2008)3

“ ”

267m^2

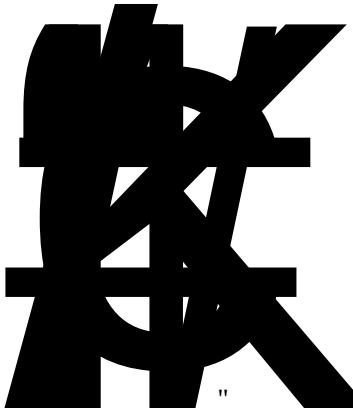
6

599.76m^2

GB18597-2001

7 100m

8



16		
17	5	2022 3 2022 4 5 2023 10 23

2.4.8

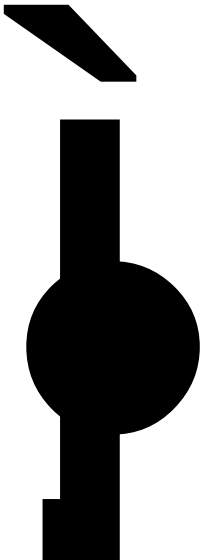
5400 2000

1

2024 DA003

2

ã



3.1

3.1.1

1996 133

GB3095-2012 2024

2024 2024

135

180 86.1% 3.6%

4.10 1.9%

12.1%

3-1 2024

		μg/m³	**μg/m³**	**%**	
SO_2		8	60	14	
	98	14	150	9	
NO_2		26	40	65	
	98	69	80	86	
PM_{10}		48	70	69	
	95	111	150	74	
$PM_{2.5}$		30	35	86	
	95	83	75	111	
CO mg/m³	95	1100	4000	28	
O_3	8h 90	156	160	97.5	

$PM_{2.5}$

2024 59

2027

28 / 2035 26 /

4.3km 2024 9 4

2024 9 10

3-2

		/m						
		UTM						
		X	Y		ug/m³)	ug/m³)	%		
		548758	3540022		2000	290~630	31.5	0	

3.1.2

2024 2024

15 36 63.9%

25 ~ 100%

4 7 ~ 100%

31 16 15

51.6% 3.2 13

10 17 5

100%

2023

1 2023 3-3

3-3

			pH	COD_{Cr} mg/L	BOD_5 mg/L	mg/L	mg/L	mg/L
			7.5	6.1	0.9	0.06	1.61	0.005
			8.4	13.6	2.4	0.76	4.82	0.02
			7.5~8.4	10.0	1.5	0.28	2.7	0.01
			0	0	0	0	/	0
			/	/	/	/	/	/

3-3

2023.11.21~2023.11.23

W1 500m W2

500m 3-4

3-4

			pH	COD_{Cr} mg/L	SS mg/L	mg/L	mg/L	mg/L
	500m W1		7.5	10	35	0.317	0.11	0.03
			7.9	14	38	0.416	0.16	0.04
		III	6-9	20	/	1.0	0.2	0.05
			0.45	0.7	/	0.416	0.8	0.8
			0	0	0	0	0	0
	500m		7.4	15	32	0.246	0.1	0.03
			7.7	18	36	0.386	0.13	0.04
		III	6-9	20	/	1.0	0.2	0.05
			0.35	0.9	/	0.386	0.65	0.8

	W2		0	0	0	0	0	0

3-4

GB 3838-2002 III

3.1.3

50m

3.1.4

3.1.5

VAE

VAE

3.1.6

3.2

500m 3.2-1 6

50m 500

3-5

	UTM						
	X	**Y**					**m**
	558005	13406413				SW	380

3.3

1

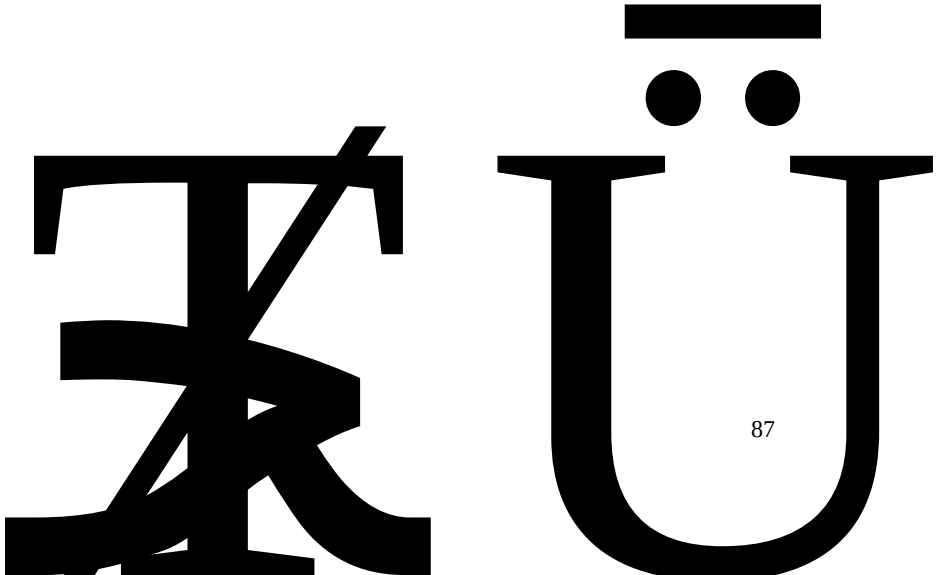
GB31572-2015

DB32/4041-2021

DB32/4149-2021

DB32/4149-2021

DB32/4041-2021 Î 3-6¢ P — ñb@ ð Ä



3-6

		mg/Nm³	kg/h		mg/Nm³)	
DA012 DA015		60	3		4.0 1h 6 20	DB32/4041-2021
DA013 DA014		10	/		0.5 5	DB32/4149-2021

DA012 DA0012

DB32/4041-2021

3-7

	ug/m³)
TSP[a]	500
PM_{10}[b]	80

a (TSP) 15min

HJ633 AQI 200~300

PM_{10} $PM_{2.5}$ TSP 200 g/m³

b (PM_{10}) 1h PM_{10}

PM_{10}

2

GB/T 19923-2024

2018 77

GB18918-2002 1 A 3-8 3-9

3-8

pH	/	6.0~9.0
		20
	NTU	5
BOD_5	mg/L	10
COD_{Cr}	mg/L	50
	mg/L	5
	mg/L	15
	mg/L	0.5
	mg/L	0.5
	mg/L	1.0
$CaCO_3$	mg/L	350
$CaCO_3$	mg/L	450
	mg/L	1000
	mg/L	250
	mg/L	250
	mg/L	0.3
	mg/L	0.1
	mg/L	30

3-9

	pH		6 9
	COD		500
	SS		400
/		mg/L	45
			8

*	12	12

		0.476	0.156	0	0	0	0	0.632	0
		1.3	0.091	1.440	0	1.440	0	2.831	+1.440
	[a]	1E-06	5.06E-07	0	0	0	0	1.5055 E-06	0
	VOCs	1.207	0.509	0.427	0	0.427	0	2.143	+0.427
		8448	0	1260	0	1260	0	9708	+1260
	COD	3.379	0	0.0504	0	0.0504	0	3.4294	+0.0504
	SS	1.690	0	0.0504	0	0.0504	0	1.7404	+0.0504
		0.296	0	0	0	0	0	0.296	0
		0.0338	0	0	0	0	0	0.0338	0
		0.507	0	0	0	0	0	0.507	0
		0.507	0	0	0	0	0	0.507	0
		0	0	0	0	0	0	0	0
		0	0	5.8	5.8	0	0	0	0
		0	0	67.21	67.21	0	0	0	0
						VOCs		VOCs	

4.1

4.1.1

4.1.2

4.1.3

4.1.4

4.2

4.2.1

1

G1

G2 G3 G4

G5 G6 G7

G8 G9

G1 G2

500 HDPE

500 TPO

2017 7 85%-85.7%

18.97-22.27mg/m^3

6483m^3/h

0.144kg/h 4800h

85% 500 HDPE

0.957t/a 1000 HDPE

1.914t/a

DA012

90% 90%

G3

500 HDPE 500 TPO

2017 7

85%-85.7%

21.83-27.35mg/m^3 6501m^3/h

0.178kg/h 4800h

500 HDPE 1.005t/a

1000 HDPE

2.01t/a

DA012

90% 90%

G4

1

5 5 AP-42

1t 0.23kg

28.7m

DA013 99% 99%

4-1

	t/a	**t/h**	**h**		**kg/h**	**t/a**		**kg/h**	**t/a**
	50000	20	2500		4.6	11.5		0.046	0.114
	30000	20	1500		4.6	6.9		0.046	0.068
	50000	20	2500		4.6	11.5		0.046	0.114
1	30000	20	1500		4.6	6.9	99%	0.046	0.068
1	30000	20	1500		4.6	6.9	99%	0.046	0.068
	/	/	/		23	43.7		0.023	0.433

G5

30

3021 0.523kg/t-

190000t 99.37t/a

18m DA014

99% 99%

G6

0.005kg/t

190000t

0.95t/a

18m DA014 99% 99%

G7 G8

G9

VAE

0.174kg/t-

20200t

3.5148t/a

18m DA015

99% 90%

1 18m DA012

1 28.7m DA013

1 18m DA014

1 18m DA015

4-2 4-3 4-4

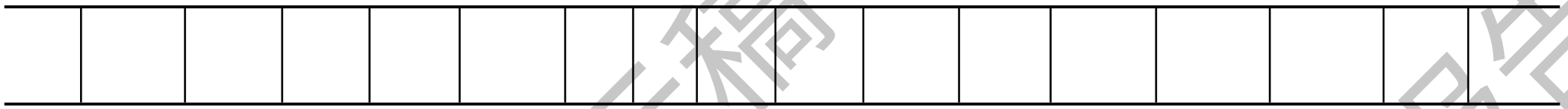
4-2

		t/a		**(t/a)**	**(t/a)**
G1	G2	1.914	90%	1.723	0.191
G3		2.01	90%	1.809	0.201
G4		43-	m		

		G7 G8 G9		3.5148	99%	3.480	0.035

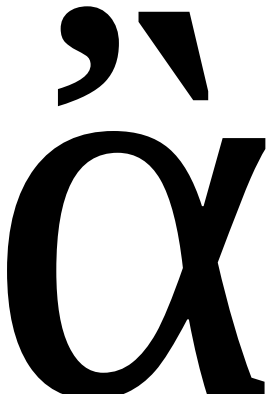
4-3

			t/a	kg/h	mg/m³		%	m³/h	t/a	kg/h	mg/m³	mg/m³	kg/h			
			3.532	0.491	61.319		90%	8000	0.353	0.049	6.132	60	3	H=18m T=25 D=0.55m		DA012
			43.263	6.009	400.583		99%	15000	0.433	0.060	4.006	10	/	H=28.7m T=25 D=0.6m		DA013
			99.317	13.794	689.701		99%	20000	0.993	0.138	6.897	10	/	H=18m T=25 D=0.7m		DA014
			3.480	0.483	80.556		90%	6000	0.348	0.048	8.056	60	3	H=18m T=25 D=0.4m		DA015



4-4

0.392	0.054	19038.25	5
0.437	0.23	180	28



1					4	0.392
2				DB32/4041-2021	0.5	0.437
3				DB32/4149-2021	0.5	1.003
					4	0.035
						0.427
						1.440

4-7

		/ t/a
1		1.128
2		2.866

2

0%

0.1 / 30min

4-8

			/ mg/m³	/ kg/h	/ /h	/	
DA012			61.319	0.491	0.5	0.1	
DA013			400.583	6.009			
DA014			689.701	13.794			
DA015			80.556	0.483			

1

2

3

3

4-1

18m DA012

18m DA015

4-9

4-9

1		mm	2000*2000*2900	2000*1500*1100
2		m^2	9.72	1.25
3		m^2/g	750	750
4		/		
5		mg/g	800	800
6		kg/m^3	500	500
7		t/	3.89	0.5

3.179t/a

7.78t

3.132t/a 7.78

2021 218

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

T—

m— kg

s— %

c— VOCs mg/m^3

Q— m^3/h

t— h/d

4-10

			VOCs			

	kg		mg/m³	m³/h	h/d	d
	7780	10%	55.188	8000	24	73
	1000	10%	72.5	6000	24	10

73d 4 31t 3t
34t 10d
10 30t 3t
33t

HJ1122-2020

HJ1116-2020 VOCs

DB32/4041-2021
GB31572-2015

1

28.7m DA013

2023 9 16 17 DA006

89%~90%

DB32/4149-2021

2

18m DA014

HJ1116-2020 /

DB32/4149-2021

30 87

4-11

4-11

	30 kwh	0.8 /kwh	24
	62	7000 /t	43
	67	3000 /t	20
	/	/	87

4

GB/T16758

GB 37822—2019 VOCs

0.3m/s

5

PM10

GBT39499-2020 “

”

100

6

300

7

HJ819-2017

HJ 1207-2021

HJ848-2017

4-14

	DA012	1		1 /	DB32/4041-2021
	DA013	1		1 /	
	DA014	1		1 /	
	DA015	1		1 /	
		4		1 /	
		1 3		1 /	
		1		1 /	

4.2.2

1

W1

1 200t/h

5

(GBT50102-2014)

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

$$Q_w = \frac{P_w \cdot Q}{100}$$

[redacted]

Qe KZF 0.0015 t

5

Qw Pw 0.1

Qb N 5

Qm

Q 200t/h

1440000t/a

200t/h,7200h/a Qe 10800t/a 1.5t/h

Qw 1440t/a 0.2t/h Qb 1260t/a 0.175t/h

Qm 13500t/a

COD 40mg/L SS 40mg/L

(W2)

2t/ 3 6t/a

COD 500mg/L SS 200mg/L 60mg/L

4-15

4-15

	t/a		**mg/L**	**t/a**			**mg/L**	**t/a**	**mg/L**	
	1260	COD	40	0.0504	/	COD	40	0.0504	500	
		SS	40	0.0504		SS	40	0.0504	400	
	6	COD	500	0.003	+					
		SS	200	0.0012						
			60	0.00036	+					
					+					

2

1260t/a 4.2t/d 6t/a

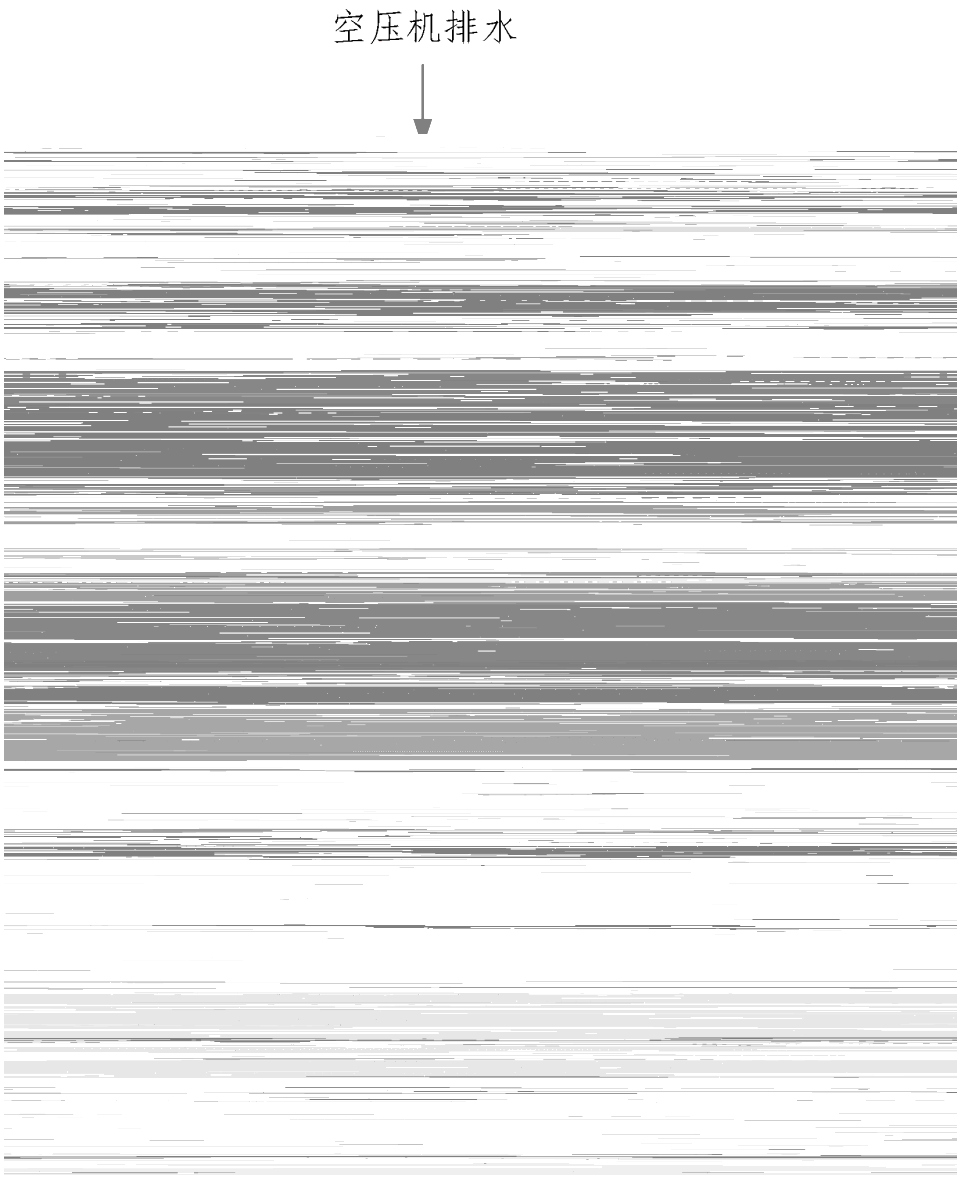
0.02t/d

80t/d 21939.1t/a

73t/d

73t/d

4-2



4-2

+

$FeSO_4$ PAC PAM

UASB

BGEF

$100m^2/g$ 96%

0.8mm

SS

6t/a

0.02t/d 0.027%

4-16 4-17

4-16

	pH	**COD** **mg/L**	**SS** **mg/L**	 **mg/L**
	7~8	800~1500	500~600	10-20

4-17

		pH	COD	SS	
	mg/L	7~8	1500	600	20
		/	70%	90%	90%
	mg/L	7~8	450	60	2
	mg/L	7~8	450	60	2
		/	90%	80%	60%
	mg/L	7~8	45	12	0.8
	mg/L	7~8	45	12	0.8
		/	/	/	/
	mg/L	7~8	45	12	0.8
	/	6.5~8.5	50	/	1

4-18

			mg /m³		**mg /m³**	
2023 .9.18			42	GB/T 19923-2024	50	
			12		/	
			0.13		1.0	
2023 .9.19			39		50	
			12		/	
			0.13	Pñb@ ð " P P 3 š," ? $ â ñb@ ð " P P 3 P ar P	1.0	

1		97309.2	22595.1	74720.1

3

6.0 m^3/d

3.0 m^3/d 2011 12

2012 6 204

• æ2.5 t/d

A2/

		1	COD SS	1	/

5

4-21 4-22

4-23 4-24

4-21

1		COD SS			/	/	DW001		
2		COD SS		/		+ +	/	/	

4-22

		UTM		/ **t/a**						
										mg/L
1	DW001	557973	13407613	1260			/		pH	6-9
									COD	30
									SS	10
										≤1.5 3 *
										≤0.3
										≤10
										≤1

*　　12　　≤12

4-23

				/ **mg/L**
1	DW001	pH		6　9
		COD		≤500
		SS		≤400
				≤25
				≤1
				≤70
				≤100

4-24

			/ **mg/L**	/ **kg/d**	/ **t/a**
1	DW001	COD	40	0.015	0.0504
2		SS	40	0.015	0.0504
		COD			0.0504
		SS			0.0504

4.2.3

1

75-

85dB　A

GB12348-2008　3

4-25

	180	2	75		371	323	1	40	43		25	18
	130	2	75		401	316	1	40	43		25	18
		4	75		428	309	1	30	45		25	20
		2	80		421	311	1	35	49		25	20
		2	75		345	339	1	5	61		25	36
		1	85		380	298	1	50	49		25	24
		2	85		249	320	1	20	59		25	34
		3	85		260	317	1	30	55		25	30
		3	85		269	315	1	30	55		25	30
		1	75		255	358	1	15	51		25	26

1	75		266	355	1	25	47	25	22
4	75		279	352	1	35	44	25	19
4	75		290	349	1	15	51	25	26
2	80		264	380	1	15	56	25	31
1	75		272	377	1	15	51	25	26
2	85		285	373	1	15	61	25	36
6	75		303	367	5,m	ʁ ?	ƶ	ʂ 0	ɠm " 2

	5	75		164	416	1	5	61		25	36
	5	75		150	393	1	5	61		25	36
	10	85		136	359	1	8	67		25	42
	3	75		182	451	1	5	61		25	36
	2	75		167	230	1	5	61		25	36
	1	75		181	431		5	61		25	36
	3	85		177	253		8	67		25	42

X Y

4-27

		/	/m					
			X	**Y**	**Z**	**/dB(A)**		
1		1	332	345	1	75		
2		2	279	275	1	80		00 00-24 00
3		16	261	272	1	80		
4		1	259	265	1	80		
5		1	264	263	1	80		

X Y

4-28

		/	/m			

		X	Y	Z	/dB(A)		
1	4	279	415	1	75		
2	10	275	384	1	75	00 24	00- 00

$$A_{div} = 20\lg(r / r_0)$$

A_{div}——

r_0—— m

r—— m

4-29

4-29 **dB(A)**

	62	53	28.35	29.39	62	53.03	65	55		
	61	52	27.31	26.31	61	52.03	65	55		
	58	50	26.21	45.57	58.24	51.35	65	55		
	56	48	35.81	37.8	56.11	48.63	65	55		

2024

35.81dB(A)

GB12348-2008 3

3

4-30

4-30

	1m 1	A	1 /

4.2.4

1

1

1kg/d 0.3t/a

2

GB34330-2017

6.1 b

3

5t/a

4

0.1t/a

5

2021 218 67t/a

2025 HW49

900-039-49

6

1t/a

7

0.2t/a 2025

HW08 900-249-08

8

3

0.01t/a

GB34330-2017

4-31

4-31

					t/a			
1					0.3	√	/	
2					5	√	/	
3					0.1	√	/	
4					67	√	/	GB34330-2017
5					1	√	/	
6					0.2	√	/	
7					0.01	√	/	

2017

43 2025

4-32

						t/a			
1						0.1	HW49	900-041-49	T
2						67	HW49	900-039-49	T

3						0.1	HW08	900-249-08	T
4						0.01	HW08	900-210-08	T
5						0.3	S59	900-009-S59	/
6						5	S59	900-099-S59	/
7						0.5	S59	900-099-S59	/

4-33

4-33

						t/a			
1						5.7	HW49	900-041-49	T
2						39	HW08	900-249-08	T
3						60	HW08	900-249-08	T
4						6.7	HW08	900-210-08	T

5						10	HW13	900-015-13	T
6						1.106	HW49	900-041-49	T
7						0.2	HW08	900-249-08	T
8						0.02	HW08	900-210-08	T
9						67	HW49	900-039-49	T
10						15.5	SW59	900-099-S59	
11						1.7	SW59	900-009-S59	
12						60	SW59	900-099-S59	/
13						0.3	SW59	900-009-S59	
14						33	SW64	900-099-S64	

599.76m^2 267m^2

4-34

								t	

10			/	/	/	599.76	/	/	/

2

a

‘ 599.76m^2

GB15562.2-1995

1

2

3

4

5

5

6

< "C”‰u • Y Î

> 2024 16

4.2.5

1

7						
8						
9						GB18597
10						
11						
12						Mb 1.5m K 10^{-7}cm/s
13						
14						

2

A.

4.2.6

1.63km

4.2.7

1

HJ169-2018

Q

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

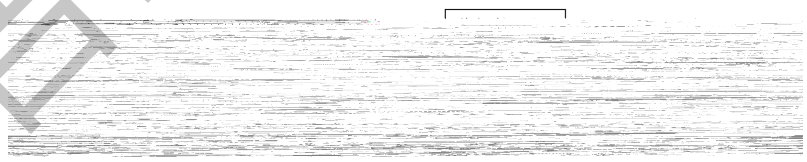
4-36

		t	**t**	**q/Q**
1		0.2	2500	0.00008
2		17	50	0.34
q/Q				0.34008

[1]

/

4-2



4-2

4-38

4-38

				/	/
			/		
			/		
				/	/
				/	/

				/	/
			/		
				/	/
			/		
			/	/	
				/	/
			/	/	

4-39

4-39

VAE

VAE

- ê

a.

b.

c.

a.

b.

432m³

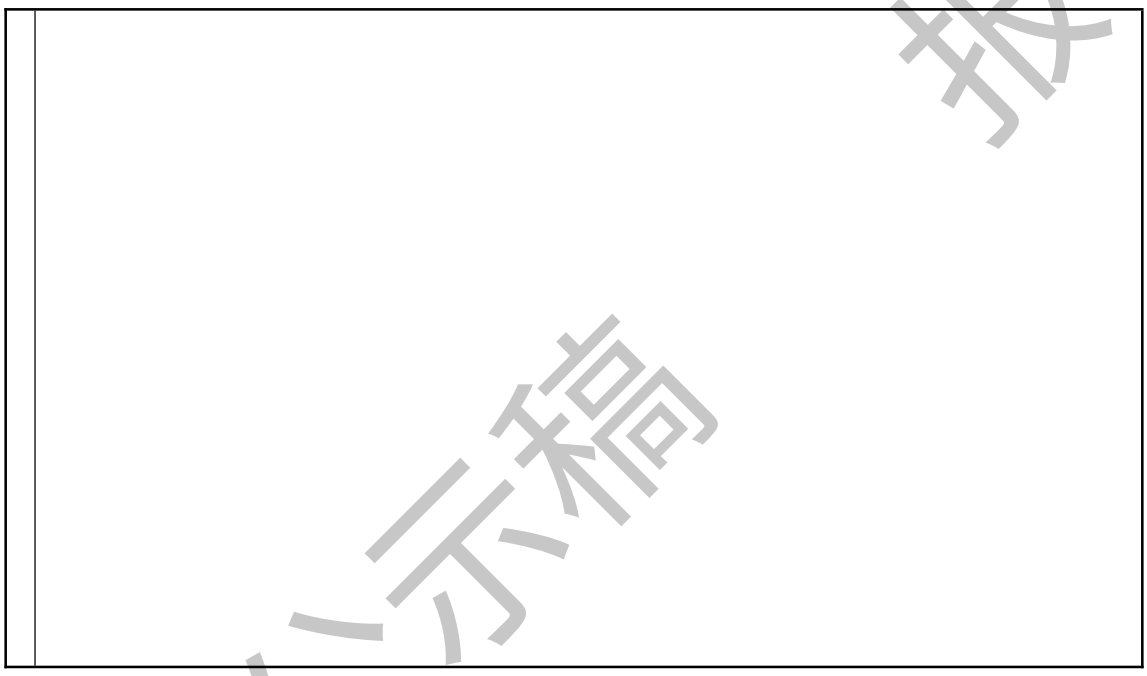
a.

b.

2

2015 4

DB32/T3795-2020



/	/			
	DA012			DB32/4041-2021
	DA013			DB32/4149-2021
	DA014			DB32/4149-2021
	DA015			DB32/4041-2021
				DB32/4041-2021
				DB32/4149-2021
				DB32/4041-2021

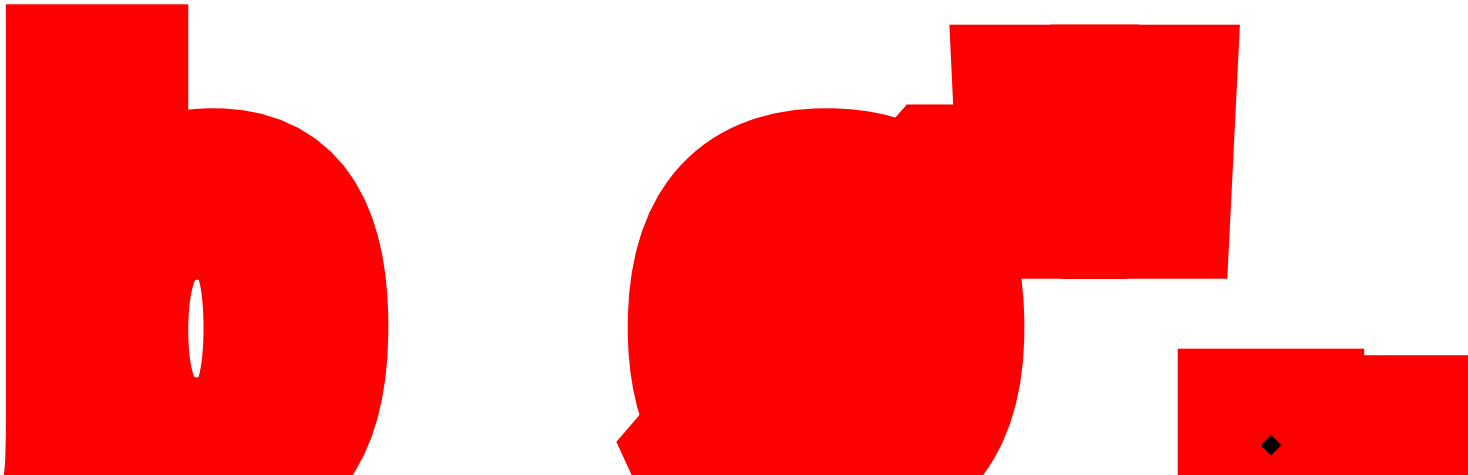
DB32/4149-
2021

COD SS

GB/T 19923-
2024

COD SS /

GB12348-
2008 3



	3 5 20 5

		t/a	t/a	t/a	t/a	t/a	t/a	t/a
		6.736	5.172		2.866	/	9.602	+2.866
		2.317	1.38		0	/	2.317	0
		4.419	3.792		2.866	/	7.285	+2.866
	SO_2	1.324	0.964		0	/	1.324	0
	NOx	3.019	2.002		0	/	3.019	0
	[a]	6.0375E-06	3.00E-06		0	/	6.0375E-06	0
		6.555	3.499		1.128	/	7.683	+1.128
		0.008	0.008		0	/	0.008	0
		8448	8448		1260	/	9708	0
	COD	3.379	3.379		0.0504	/	3.4294	0
	SS	1.69	1.69		0.0504	/	1.7404	0
		0.296	0.296		0	/	0.296	0
		0.0338	0.0338		0	/	0.0338	0
		0.507	0.507		0	/	0.507	0
		0.507	0.507		0	/	0.507	0

		5.5	5.5		5.8	/	11.3	+5.8
	/	60.1	60.1		67.21	/	127.31	+67.21

= + + - = -