江西赣锋循环科技有限公司
环境影响后评价报告书
（公示稿）

建设单位：江西赣锋循环科技有限公司

编制日期：二〇二四年十月

证照编号：050320011834

营业执照

(副 本)1-1

统一社会信用代码 91360503MA38BA1Y15

名　　称	江西九众协鑫环保科技有限公司
类　　型	有限责任公司(自然人投资或控股)
住　　所	江西省新余市仙女湖区河下镇河平路16号1栋102室
法定代表人	杨金牙
注册资本	伍佰万元整
成立日期	2019年01月03日
营业期限	2019年01月03日至2029年01月02日
经营范围	环保设备销售；环境影响评估、环境监测；项目咨询；建



1 1
1.1 1
1.2 2
1.3 3
1.4 3
1.5 3
1.6 3
1.7 4
1.8 4
2 6
2.1 6
2.2 10
2.3 46
2.4 47
2.5 47
2.6 54
2.7 56
2.8 57
3 61
3.1 61
3.2 62
3.3 63
3.4 63
3.5 72
3.6 73
3.7 80
3.8 85
4 98
4.1 98
4.2 99
4.3 101
5 103
5.1 103
5.2 107
5.3 107
5.4 107
6 121
6.1 121
6.2 121
6.3 122

6.4 123
6.5 124
6.6 133
7 134
7.1 134
7.2 135
7.3 136
7.4 136
7.5 138
7.6 140
7.7 140
8 144
8.1 144
8.2 152
8.3 175
8.4 178
8.5 179
8.6 181
9 185
9.1 185
9.2 185
9.3 185
10 186
10.1 186
10.2 186
10.3 187
10.4 187
10.5 187
10.6 188
10.7 188
10.8 188
10.9 190
11 194
11.1 194
11.2 194
11.3 195
11.4 195
11.5 195
11.6 195
11.7 196

1 1500 [2008]91

2 4500 [2014]24

3 [2018]20

4 34000T [2017]40

5 [2021]15

6 12000 [2019]40

7 12000t/a [2022]73

8 2024 2

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13 2024 4

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1 4500

2 34000t/a

3 1500

4 12000t/a

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2.1.1

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2015 1 1

(2)

2018 12 29

(3)

2018 10 26

(4) 2016.7.2

(5) 2017 6 27

2018 1 1

(6) 2020 4 29

2020 9 1

(7) 2021 12 24

2022 6 5

(8) 2020

12 26

(9) 2018 10 26

(10) 2019 8 26

(11) 2019 1 1

(12) 682 2017 10 1

(13) 748 2021 12 1

(14) 736 2021 3 1

(15) 2021

(16) [2013] 645 2013.12.7

(17) 4 2019 1 1

(18) [2012]77

2012.7.13

(19) < >

[2013]103

(20) 2012

2012 2012.5.23

2.1.2

(1) 37 2016 1

1

(2) 16 2021 1

(3) 2024

(4) (2021) [2021]495

(5) 2019 25 2019 3 28

(6)

2018 266 2018 5 10

2.1.3

(1) 2009.1.1

(2) 2017.3.1

(3) 2021 1 1

(4) < >

[2021]2

(5) 2018 21

(6) 〃 〃

[2021]25

(7) 2023

(8)

2014 2 18

(9)

2017 9 23

(10) [2014]30

(11) 2024

(12) 2016 82

(13) 2024

(14) HJ1186-2021

2.1.4

(1) HJ 2.1 2016

(2) HJ2.2-2018

(3) HJ2.3-2018

(4) HJ 610-2016

(5) HJ964-2018

(6) HJ2.4-2021

(7) HJ19-2022

(8) HJ169-2018

(9) GB18218-2018

(10) GB18597-2023

(11) 2017 10 1

(12) GB18599-2020

(13) 2024 7 1

(14) HJ1035-2019

(15)

(16) HJ941-2018

(17) 2015 [2015] 5

(18) 18 GB30000.18-2013

(19) 28 GB30000.28-2013

(20) GB/T 50483-2019

(21) 10 GB/T 32151.10-2015

(22) HJ1091-2020

(23) GB/T39966-2021

(24) GB/T39780-2021

(25) GB/T41012-2021

(26) HJ1120-2020

(27) HJ 1200-2021

(28) HJ1034-2019

(29) HJ1138-2020

(30) GB/T33060-2016

(31) GB/T 39224-2020

(32) GB/T44157-2024

(33) GB/T26493-2011

(34) HJ 1178-2021

(35) HJ1301-2023

(36) “ ” [2024]274

2.1.5

(1)

2021 9

(2) 2002-2020

(3)

(4) “ ” [2021]25

(5) “ ”

(6)

2.1.6

(1)

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(3)

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(5)

2.2

2.2.1

4	( ) “ ” ( )		
5	“ ” “ ”	“ ”	
6	( ) “ ” “ ” -	0.252tce/t	
7	( ) “ ”	2023 28546tCO_2	

2.2.2 [2012]77

2.2-2 **[2012]77**

1 J ‘

2.2.3 [2012]98

2.2-3 **[2012]98**

1			
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2.2.4

2.2-4

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2			

3			
4		1.87	
5			
6		1500t/d	
7			

8			

2.2.5 2022

2.2-5

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4			
5			
6			
7	“ ” 332		

8			
9			
10			
11			

2.2.6 2022

[2022]7

2.2-6

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2			
3	( ) ( ) ( )		
4	( ) ( )		
5			

	( ) ( )		
6	( ) ( )		
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8			
9			
10			
11			
12			
13		1.87km	
14			
15			
16			

17			
18			
19	((2021)33)		

2.2.7 [2019]56

[2019]56

2.2-7

1			
2	“ ” “ ” 3%		
3			

4			
5			

2.2.8

2.2-8

1			
2	3%		
3		GB31573-2015	
4			

2.2.9

([2020]32)

2.2-9 **[2020]32**

1	( ) 2021 “ ”		
2	(2020 2022		
3	(		
4	( ) (		

2.2.10 [2023]215

2.2-10 **[2023]215**

1	“ ”		

2			
3	( ) “ ” “ ”		
4	“ ” “ ”		

2.2.11 HJ1091-2020

2.2-11 **HJ1091-2020**

1			

2			
3			
4	GBZ 2.1	GBZ 2.1-2007	
5	GB 14554	(GB14554-93)	
6			
7	1 2 3 4 5		
8	GB8978	(GB8978-1996	

9			
10			
11			
12	GB 18597 HJ 2042	GB 18597-2023 HJ 2042-2014	
13			
14		MVR	
15	1 1 1 1	1 1	
16			

2.2.12 (2023 372

)

2.2-12 **2023 372**

1	GB5085.1~7 HJ 298 1 /		
2			
3			
4		15	
5	HJ 1276 GB 15562.2		
6			
7			

		15	
8	HJ1091 GB 18598 GB18599		
9			
10	“ ” “ ”		

2.2.13 GB/T39966-2021

2.2-13

1

	GB17167 GB24789	GB17167 GB24789	
2			
3			
4			
5	COD( )	COD	

2.2.14 GB/T39780-2021

2.2-14

1			

	1 GB18597 GB18599		
2			
3		23 GB31573-2015 1 GB31574-2015 GB/T31962-2015 1 B	
4	GB12348	GB12348-2008 3	
5		91360500MA35GCE49Y001Q	

2.2.15 GB/T41012-2021

2.2-15

1	GB 18597 HJ2025	(GB18597-2023) HJ2025-2012	
2			
3			

4	GB 34330 GB5085( ) a) GB18597 HJ2025 b) GB 18599	(GB18597-2023) HJ2025-2012 GB18599-2020	
5			

2.2.16 “ ”

2.2-16 “ ”

1	PM2.5 “ ” “ ” “ ” PM2.5 28 / 100%	GB 31573-2015 GB31574-2015 (GB30484-2013) GB31573-2015 1 GB31574-2015	

2.2.17 “ ” [2022]874

2022 11 3

2. 2-17 **[2022]874**

1	( ) ( )		
2	( ) “ ”( )	1.752km “ ”	
3	( ) ( ) ( ) (		

2.2.18 2022 21

2.2-18 **2022 21**

1	10 5 “ ”		
2	1000 -2000 60% 100		
3	( ) 500 2% 500		
4			

5			

2.2.19 2024

2.2-19

2024

1	( )		
2	( )		
3	N- (NMP) (GB30484)	(GB30484-2013	
4	VOCs (GB37822)	(GB37822-2019)	
5		MVR	

	( ) (GB30484) (GB31573) (GB8978)	GB31573-2015 1 GB31574-2015	
6			
7	NMP (GB18597) (GB18598) (GB18599) (GB18484)	GB18599-2020 (GB18597-2023)	

2.2.20 “ ”

2.2-20

1			

2			
3			
4	-	MVR	
5			

2. 2. 21 2024

2. 2-21 **2024**

1			
2	3% 50%		
3			
4			

	>90%		
5	I		

2.2.22 HJ1186-2021

2.2-22

1			
2	“ ”		
3			
4			
5			
6	GB 16297 GB 37822	GB 31573-2015 GB37822-2019	

7	GB 8978 pH	GB31573-2015 GB 8978-1996 pH	
8			
9	GB 12348	GB12348-2008 3	

2. 2. 23

1

3445.64

“ ”

a.

b.

c.

d.

e.

a.

3.91

b.

3.28

c.

7.35

d.

1.65

e.

1.45

A

1

2.2-23

		hm²
		72.19
		3164.37

2

“ ”

2020 17 “ ”

[2020]25

2.2-24

	/	1 2 3 4	/	/
		1		

		1 2 3 4 5 2019 2021 12 30 2019 2021 12 30 “ ”	2024 4 IV+	

		4 IV+ 2		
		1 GB18918-2002 A 2 3 4		

1 “ ”

2

3

4 “ ”

			210880m^2 316.32 0.21km^2 155.3 / <260 / 85.71 /km^2>9 /km^2	

2

2022 28

2.2-25

…… 4 IV+	4 IV+	
“ ”	“ ”	

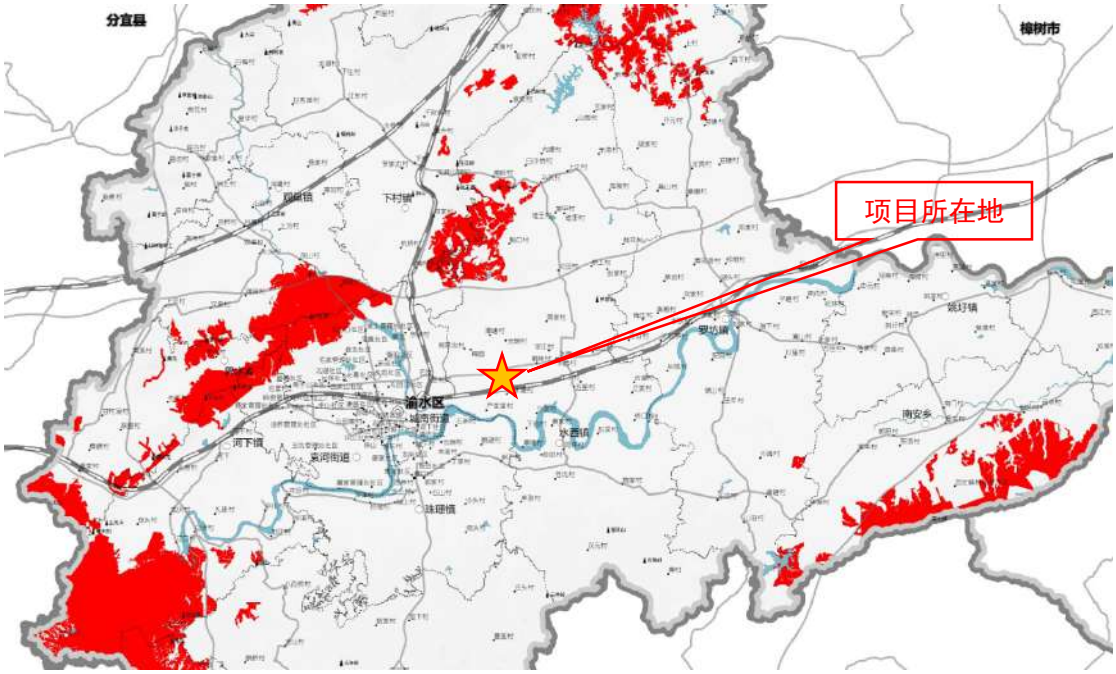
“ ”

2.2.24 “ ”

2018 6

[2018] 21 “

”



2.2-1

22 2013 4500

3690.48tce/a 820.1kgce/t 2016 34000t/a

3667.73tce/a GDP 0.1272<1.597tce/

2017 212.31 /

414 2022 12000t/a

24276.83tce 5172.68tce 1.0108tce/

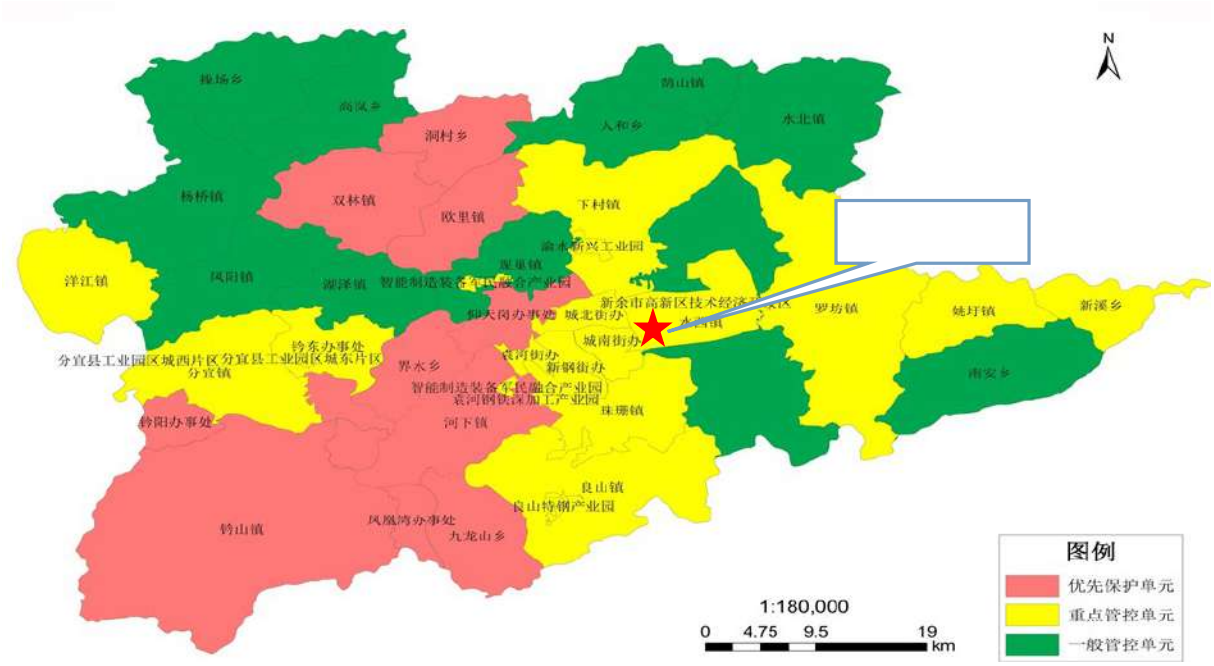
“ ”

1.23%

2.2-26

1		LED LED	1 VCD 2 CRT	
2		PACK		
3			C	GMP
4			VOCs HCl	
5				
6			VOCs	

2023



ZH36050220005

2.2-27

	ZH36050220005		1
	1. 2.		

2.2-28 **2023**

	1.		

	2.		
	1. 2. 3. 4.	1. 1 2. 3. 4.	
	1. 1 2. 3. 4. “ ”	1. 1 2. 3. 4. “ ”	
	1. VOCs	1.	
	1.		
	1. 2. 3.	1. 2. 3. 4.	

	4.		
	1. 2.	1. 2.	
	1. IV+ 2.	1. IV+ 2.	
	1.		

“ ”

2024

2.3

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5

2.4

2.4-1

1		PM_{10} $PM_{2.5}$ SO_2 NO_2 HCl NH_3 H_2S TSP HBr
2		pH CODcr BOD_5 SS
3		pH K^+ Na^+ Ca^{2+} Mg^{2+} Cl^- SO_4^{2-} CO_3^{2-} HCO_3^-
5		A
6		45

2.5

2.5.1

1

GB3095-2012

HJ2.2-2018 D

2.5-1

		mg/m³			
1	TSP	—	0.30	0.20	GB3095-2012
2	PM_{10}	—	0.15	0.07	
3	$PM_{2.5}$	—	0.075	0.035	
4	CO	0.01	0.004	—	
5	O_3	0.2	0.16 8		
6	SO_2	0.50	0.15	0.06	
7	NO_2	0.20	0.08	0.04	
8		0.02	0.007	/	(GB3095-2012) A
9	HCl	0.05	—	—	HJ2.2-2018 D
10		0.2	—	—	
11		0.01	—	—	

12		0.3	0.1	—	
13	MnO_2	—	0.01	—	
14		0.6 8h	—	—	

2

GB3838-2002

2.5-2

pH	6 9	GB3838-2002
CODcr	≤20	
BOD_5	≤4	
DO	≥5	
NH_3-N	≤1.0	
	≤0.005	
P	≤0.2	
	≤1	
	≤0.05	
	≤1	
Cl^-	≤250	
	≤6	
	≤0.2	
	≤0.2	
	≤250	
N	≤10	
	≤1.0	
	≤0.05	
	≤0.0001	
	≤0.05	
	≤0.05	
	≤0.2	
	≤0.3	
	≤0.1	
	≤1.0	
	≤0.05	
CFU/L	≤10000	
	≤0.0001	3

	≤0.02	
	≤1.0	

3

3-2 GB3096-2008 3

2.5-3 dB A

3	65	55

4

GB/T14848-2017 III

2.5-4

1	pH	6.5-8.5	
2	K+	—	mg/L
3	Na+	≤200	mg/L
4	Ca^{2+}	—	mg/L
5	Mg^{2+}	—	mg/L
6	Cl^-	≤250	mg/L
7	SO_4^{2-}	≤250	mg/L
8	HCO_3-	—	mg/L
9	CO_3^{2-}	—	mg/L
10	NO_3^-	≤20.0	mg/L
11		≤1.0	mg/L
12	NO_2^-	≤1.00	mg/L
13		≤0.002	mg/L
14		≤0.001	mg/L
15		≤0.005	mg/L
16		≤0.05	mg/L
17		≤0.01	mg/L
18		≤1.0	mg/L
19		≤0.10	mg/L
20		≤0.01	mg/L
21		≤0.05	mg/L
22		≤450	mg/L
23		≤0.50	mg/L
24		≤3.0	mg/L

25		≤0.3	mg/L
26		≤0.002	mg/L
27		≤0.0001	mg/L
28		≤0.02	mg/L
29		≤0.05	mg/L

5

2

2.5-5 单位：mg/kg

		CAS				
1		7440-38-2	20	60	120	140
2		7440-43-9	20	65	47	172
3		18540-29-9	3.0	5.7	30	78
4		7440-50-8	2000	18000	8000	36000
5		7439-92-1	400	800	800	2500
6		7439-97-6	8	38	33	82
7		7440-02-0	150	900	600	2000
8		56-23-5	0.9	2.8	9	36
9		67-66-3	0.3	0.9	5	10
10		74-87-3	12	37	21	120
11	1,1-	75-34-3	3	9	20	100
12	1,2-	107-06-2	0.52	5	6	21
13	1,1-	75-35-4	12	66	40	200
14	-1,2-	156-59-2	66	596	200	2000
15	-1,2-	156-60-5	10	54	31	163
16		75-09-2	94	616	300	2000
17	1,2-	78-87-5	1	5	5	47
18	1,1,1,2-	630-20-6	2.6	10	26	100
19	1,1,2,2-	79-34-5	1.6	6.8	14	50
20		127-18-4	11	53	34	183
21	1,1,1-	71-55-6	701	840	840	840
22	1,1,2-	79-00-5	0.6	2.8	5	15
23		79-01-6	0.7	2.8	7	20
24	1,2,3-	96-18-4	0.05	0.5	0.5	5
25		75-01-4	0.12	0.43	1.2	4.3
26		71-43-2	1	4	10	40
27		108-90-7	68	270	200	1000

28	1,2-	95-50-1	560	560	560	560
29	1,4-	106-46-7	5.6	20	56	200
30		100-41-4	7.2	28	72	280
31		100-42-5	1290	1290	1290	1290
32		108-88-3	1200	1200	1200	1200
33	+	108-38-3, 106-42-3	163	570	500	570
34		95-47-6	222	640	640	640
35		98-95-3	34	76	190	760
36		62-53-3	92	260	211	663
37	2-	95-57-8	250	2256	500	4500
38	[a]	56-55-3	5.5	15	55	151
39	[a]	50-32-8	0.55	1.5	5.5	15
40	[b]	205-99-2	5.5	15	55	151
41	[k]	207-08-9	55	151	550	1500
42		218-01-9	490	1293	4900	12900
43	[a, h]	53-70-3	0.55	1.5	5.5	15
44	[1,2,3-cd]	193-39-5	5.5	15	55	151
45		91-20-3	25	70	255	700

2.5-6 单位：mg/kg

		CAS		
1	F-	16984-48-8	644	5938
2		7440-48-4	20	70
3		7439-96-5	2000	10000
4		7440-28-0	0.87	
6		/	210	1000
7		7440-41-7	15	29

2.5.2

1

1500

(GB13271-2014) 2

GB31573-

2015 3

GB 9078-1996 200mg/m^3

(GB30484-2013) 5

DB31/933-2015 1 A

GB31573-2015 5 GB16297-1996 2 (GB30484-2013) 6 GB37822-2019 A.1

2.5-7

	(GB13271-2014)		20mg/m^3		/	/
			50mg/m^3		/	/
		NO_2	200mg/m^3		/	/
			1		/	/
	GB 31573-2015		30mg/m^3			1.0 mg/m^3
			200 mg/m^3			/
			20mg/m^3			0.3mg/m^3
			20mg/m^3			0.3mg/m^3
			10mg/m^3			0.05mg/m^3
			6 mg/m^3			3 mg/m^3
			5mg/m^3			0.03mg/m^3
			4 mg/m^3			0.02 mg/m^3
			5 mg/m^3			0.005mg/m^3
			5 mg/m^3			0.015mg/m^3
			200 mg/m^3	2 DA011		
	GB31574-2015		0.4 mg/m^3		/	/
			2 mg/m^3			
			1 mg/m^3			
			1 mg/m^3			

			0.05 mg/m³			
			1 mg/m³			
			10000	m³/		
	(GB30484-2013)		50mg/m³			2.0 mg/m³
	GB37 822-2019		1 h			10 mg/m³
						30 mg/m³
	DB31/93 3-2015		80mg/m³	/	/	/
			5 mg/m³	/	/	/

2

GB31573-2015 1

GB31574-2015

GB/T31962-2015 1 B

(GB8978-1996

2.5-8

1	pH	6 9	6 9	6 9
2	COD	≤200mg/L	≤500mg/L	≤200mg/L
3	BOD_5	≤250mg/L*	≤250mg/L	≤250mg/L*
4	SS	≤100mg/L	≤300mg/L	≤100mg/L
5		≤35mg/L*	≤35mg/L	≤35mg/L*
6		≤2mg/L	≤7mg/L	≤2mg/L
7		≤60mg/L	≤50mg/L	≤50mg/L*
8		≤6mg/L	/	≤6mg/L
9	Ni	≤0.1mg/L	/	≤0.1mg/L
10	Co	≤1mg/L	/	≤1mg/L
11	Mn	≤1mg/L	/	≤1mg/L
12	Cu	≤0.2mg/L	/	≤0.2mg/L
13	Sb	≤0.3mg/L	/	≤0.3mg/L
14	Pb	≤0.5mg/L	/	≤0.5mg/L
15	As	≤0.1mg/L	/	≤0.1mg/L
16	Hg	≤0.005mg/L	/	≤0.005mg/L

17	Cd	≤0.05mg/L	/	≤0.05mg/L
18	Cr	≤0.5mg/L	/	≤0.5mg/L
19		≤0.1mg/L	/	≤0.1mg/L
20		≤1.0mg/L	/	≤1.0mg/L
21		≤0.005mg/L	/	≤0.005mg/L
22		≤6mg/L	/	≤6mg/L
23		≤600mg/L	/	≤600mg/L
24	Cl^-	≤800mg/L	/	≤800mg/L
25		m^3/t	/	0.5

*

3

3-2 3

GB12348-2008 3

2.5-9 dB A

GB12348-2008				
		3	65dB(A)	55dB(A)

4

GB18599-

2020 (GB18597-2023)

2.6

2.6-1

1.				/
1.1.		6 GB3095-2012 HCL	SO_2 NO_2 CO O_3 PM_{10} $PM_{2.5}$ (GB3095-2012)	TJ36-79 GBT18883-2002 1

		TJ36-79 VOCs GBT18883-2002 1	NH_3 H_2S HCl HJ2.2-2018 D	
1.2.		GB3838—2002 III	GB3838—2002 III	/
1.3.		GB/T14848-93 III	GB/T14848 2017 III	2017
1.4.		GB3096-2008 2	GB3096-2008 3	3
1.5.		( ) (GB36600-2018) 1	DB36/1282—2020 2	
2.				/
2.1.		HF GB9078 1996 VOCS DB12/524-2014 2 GB14559-93 2	GB31573-2015 3 (GB30484-2013) 5 GB31574-2015 GB37822-2019	GB9078 1996 GB31573-2015 3 2 DA011 GB 9078-1996 200mg/m^3 (GB30484-2013) 6 GB31574-2015

				GB37822-2019
2.2.		GB8978-1996 GB/T31962-2015 1 B	GB31573-2015 1 GB/T31962-2015 1 B GB31574-2015	GB31574-2015
2.3.		GB12348-2008 2	GB12348-2008 3	60dB(A) 65 dB(A) 50 dB(A) 55 dB(A)
2.4.		GB18599-2001 GB18597-2001	GB18599-2020 (GB18597-2023)	

2.7

2.7-1

1		5 5.4×5.4km^2	(HJ2.2-2018)
2		/	(HJ2.3-2018)
3		14.36km^2	(HJ610-2016)
4		1km	HJ 964—

			2018
5		200m	HJ2.4-2021
6			(HJ 19-2022)
7		5.4×5.4km^2 14.36km^2 1km	HJ169-2018

2.8

2.8-1

			X	**Y**		**m**	**( )**	
1			866	356		340	2000	GB3095-2012
			1797	424		944	1000	
			2536	1625		2094	1100	
			2512	1137		2038	3000	
			2136	540		1695	520	
			2489	-517		1470	800	
			1951	-783		1440	140	
			1417	-978		1113	200	
			2246	-1868		2255	1500	
			1105	-2420		2192	400	
			1548	-1854		1950	120	
			583	-2059		1895	200	
			958	-1261		1091	570	
			964	-846		752	60	
			243	-1037		574	180	
			-558	-1262		879	1160	
			-79	-1869		1539	1300	
			-31	-2295		2004	220	
			2032	2109		2213	220	
			-2365	-2326		2594	800	

			-2367	-936		2110	560	
			-2824	-430		2290	750	
			-2037	-392		1687	1200	
			-1282	-102		600	900	
			-1857	203		1034	900	
			-2169	277		1628	1500	
			-1282	2794		2448	900	
			-2739	746		2756	700	
			-2350	717		2363	2300	
			-2268	675		1511	2100	
			-1717	654		1122	1000	
			-1418	796		914	900	
			-1412	1049		1122	1200	
			-1772	1270		1462	1100	
			-2104	1440		1646	1500	
			-2384	1185		2231	340	
			-2384	1500		2245	210	
			-2603	1301		2955	900	
			-2603	2170		3511	700	
			-683	2254		2013	900	
			167	2101		1480	2800	
			-89	358		115	2200	
			557	2976		3707	2000	
			0	3514		4310	13000	
			-531	5055		4747	200	
			600	4217.5		4953	150	
			3094	4032		5310	430	
			2678.6	1209		3410	1200	
			1778	776.7		3386	3000	
			2121	1415		3547	300	
			4767	1313		4326	800	
			4582	750		3960	500	
			5154	515		4633	60	
			1602	4088		4483	120	
			5243	-330		4736	400	
			7473	-1077		4791	2000	
			3023	-323		3798	200	

			2742	-912		3563	300	
			3959	-755		4913	200	
			4306	-915		3996	400	
			4149	-130		3982	210	
			4829	-756		4462	350	
			4339	-1639		4277	380	
			3687	-1782		4797	400	
			3441	-2260		3865	1200	
			2646	-2260		3963	1000	
			3096	-3043		2718	90	
			3416	-3186		4262	100	
			980	-3930		3982	200	
			1141	-3186		3217	1500	
			1494	-2548		2758	350	
			1282	-2800		2909	100	
			402	-2428		2520	400	
			225	-2864		2714	200	
			-2852	920		2725	3600	
			185	-4086		4049	900	
			-506	-4126		3927	850	
			-1338	-3658		3824	300	
			-1919	-3970		4272	250	
			-2344	-4336		4928	2000	
			-1960	-2639		3485	620	
			-3180	-3422		4662	400	
			-3380	-3785		4843	600	
			-3720	-2772		4393	1200	
			-3107	-2720		3380	1500	
			-4168	-2717		4731	600	
			-3872	-2420		4335	800	
			-4322	-1979		4423	1680	
			-3866	-1909		4080	400	
			-4466	-2205		4418	600	
			-4376	-1843		4837	1100	
			-2657	-1133		2965	1100	
			-2903	-787		2713	1300	
			-3988	-869		4358	700	
		1	-4476	-463		4799	1100	
			-3783	-643		4074	700	
			-3656	0		3656	1500	

			-3543	335		3447	600	
			-3788	546		3729	310	
			-3945	543		3825	410	
			-4122	544		3962	400	
			-4408	54		4577	500	
			-4408	280		4181	700	
			-4734	424		4593	710	
			-4384	697		4276	2000	
			-3724	675		3621	2500	
			-3371	670		3729	1000	
			-4384	1237		4472	1600	
			-3397	1088		4492	2000	
			-2243	1151		3750	1500	
			-1795	1178		3245	1800	
			-2243	1612		3801	1500	
			-2443	1558		3960	800	
			-2486	1905		4347	1600	
			-2394	2538		4610	600	
			-2889	3060		4581	1400	
			-3546	3060		4561	800	
			0	3186		3678	700	
2		200					GB3096-2008 3	
3						1752	GB3838-2002 III	
4							GB/T14848-2017 III	
5		0.2km,					DB36/1282-2020	

* x,y 0,0 27°49′18.54″ 114°59′44.42″

3

3.1

608

1 1500

2009 1500

1500t 2009 6 18

[2008]91

2 4500

2014 4500

4500t/a

2014 1 28

[2014]24 2016 3

[2017]29

3

2018

10000 / 5000 / 2500 /

500 / 2018 7 20

[2018]20

2019 7

4 34000t/a

2017 7

34000t/a 3.4 t

1.69 t 3.84 t 2017 7 8

[2017]40 2019 12

5 12000t/a

2019 7
12000t/a 2022 8
1.65 t 0.45 t 7.64 t
0.06 t 0.08 t 0.15 t 2019
7 29 [2019]40 2022
2022 8 29 [2022]73
2023 12

6
2021 1
200t 200t
200t 300t 100t 300t 31t 50%
58t 8.1t 9.4t 42.6t 23.3t 50t
281t 173t 2021 1 12
[2021]15 2022 4

3.2

608

3.3

608

3.3-1

1	1500			[2008]91 2009.6.18		
2	4500			[2014]24 2014.1.28		[2017]29
3				[2018]20 2018.7.20	/	2019 7
4	34000t/a			[2017]40 2017.7.8	/	2019 12
5				[2021]15 2021.1.12	/	2022 4
6	12000t/a			[2019]40 2019.7.26 [2022]73	/	2023 12
7		2024 1 15 91360500MA35GCE49Y001Q				
8		2024 4 2 360502-2024-012-M				

3.4

6 1500

3.4.1 4500

3.4-1

		2024	
1	(GB16297-1996) (GB13271-2001) (GB14554-93) 2 (16297-1996) 2	(GB16297-1996) (GB13271-2014) + + GB16297-1996 2 GB14554-93 1	
2	“ ” GB8978-1996) 1	+ + + GB8978-1996 “ 4” GB8978-1996 “ 1” + +pH + +	
3	(GB12348-2008)2 (GB3096-2008)	GB12348-2008 2 GB3096-2008)	
4	“ ”	“ ” GB 18599-2020 GB18597-2023	

	(GB18599-2001)	20	
5			
6			
7	1 2 3	1. 2 2024 3 50m 200m	

3.4.2

3.4-2

		2024	
1	(GB13271-2014) (GB31573-2015) 3 5	2 + 2 15m 1 1 15m (GB13271-2014) (GB31573-2015) 3 5	
2	“ ”	“ ”	

	(GB31573-2015)	(GB31573-2015) 12000	
3	(GB12348-2008)2 (GB3096-2008)	(GB123482008)2 (GB3096-2008)	
4	“ ”	“ ”	
5			
6			
7	1 2 3	2024	

3.4.3 34000t/a

3.4-3

		2024	
1	GB13271-2014 H2S GB14554-93 GB9078-1996 VOCS DB12/524-2014 GB16297-1996	+ GB16297-1996 2 + GB16297-1996 2 RTO + + HF GB9078 1996 (GB30484-2013) 6 GB16297-1996 2	
2	“ ” GB18918-2002 B	12000 12000 GB31573-2015 1300m^3	
3		720m^2 200m^2 GB 18599-2020	

	GB18599-2001 GB18597-2001	GB18597-2023	
4		1 2	
5	GB12348-2008 2		
6		2	
7	100m 50m		

3.4.4

2024

	(GB31573-2015) 3 5 (DB31/933-2015) 1 A (GB16297-1996) 2 VOCs (DB12/524-2020) 1 2	(GB30484-2013) 6	
2	“ ” (GB31573-2015) 1	12000 GB31573-2015 1	
3	(GB12348- 2008)3 (GB3096- - 2008)	GB12348-2008 3 65 dB(A) 55 dB(A)	
4	“ ”		
5	“ ”	GB/T14848- 2017 GB36600- 2018	

6	1. 2. 3.	800m³ 1302 1301 1300m³ 100m	

3.4.5 12000t/a

	2022	2024	
1	(GB31573-2015) (GB31574-2015) (GB30484-2013) (GB13271-2014) GB16297-1996). (GB37822-2019)	+ + + 3 + GB31573-2015 3 GB31574-2015 3 (GB30484-2013) 5 SO2 NOx GB13271-2014	

		GB16297-1996 2 GB31573-2015 5 (GB30484-2013) 6 GB37822-2019 A.1	
2	“ ” (GB31573-2015) (GB/T31962-2015)	12000 + + +MVR pH GB31573-2015 1	
3	(GB12348-2008)	61.8 dB A 49.4 dB A GB12348-2008 3	
4	 (GB18599-2020) (GB18597-2001)	1458.78m^2 200m^2 GB 18599-2020 GB18597-2023	
5	“ ”	“ ”	

6	100m 50m	1 800m^3 2 1300m^3	

6

3.5

3.6

3.6-1

1	91360500MA35GCE49Y001Q	2020 ~2023 2022 1 2 2023 1 2 3

			5.		1 /	20 mg/Nm^3
		4.	6.			
	34000t/a		7.		1 /	10 mg/Nm^3
			8.			
			9.		1 /	30 mg/Nm^3
			10.			
	12000t/a		11.		1 /	10 mg/Nm^3
			12.			
			13.			
			14.		1 /	5 mg/Nm^3
			15.			
			16.		1 /	4 mg/Nm^3
			17.		1 /	5 mg/Nm^3
			18.			
			19.		1 /	20 mg/Nm^3
					1 /	30 mg/Nm^3
					1 /	30 mg/Nm^3
					1 /	10 mg/Nm^3
					1 /	3mg/Nm^3
					1 /	20 mg/Nm^3

					1 /	4 mg/Nm^3
					1 /	200 mg/Nm^3
					1 /	3 mg/Nm^3
					1 /	50 mg/Nm^3
					1 /	200 mg/Nm^3
					1 /	50 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	5 mg/Nm^3
					1 /	4 mg/Nm^3
					1 /	5 mg/Nm^3
					1 /	30 mg/Nm^3
					1 /	5 mg/Nm^3

					1 /	4 mg/Nm^3
					1 /	5 mg/Nm^3
					1 /	10 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	30 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	5 mg/Nm^3
					1 /	4 mg/Nm^3
					1 /	5 mg/Nm^3
					1 /	30 mg/Nm^3
						200 mg/Nm^3
					1 /	50 mg/Nm^3

					1 /	20 mg/Nm^3
					1 /	30 mg/Nm^3
					1 /	10 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	50 mg/Nm^3
				40t		200 mg/Nm^3
					1 /	50 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	30 mg/Nm^3
					1 /	10 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	50 mg/Nm^3
					1 /	10 mg/Nm^3

					1 /	20 mg/Nm^3
					1 /	20 mg/Nm^3
					1 /	50 mg/Nm^3
					1 /	200 mg/Nm^3
					1 /	10 mg/Nm^3
					1 /	60 mg/Nm^3
					1 /	200 mg/Nm^3
					1 /	10 mg/Nm^3
					1 /	80 mg/Nm^3
					1 /	5 mg/Nm^3
					0.005 0.02 0.015 0.3 3 0.05 0.03 0.3 1.0 10,30,2 1 /	

					pH 100mg/L BOD 250mg/L COD 0.5 mg/L 0.5 mg/L 1 mg/L 1 mg/L 50 mg/L 2 mg/L 6 mg/L 1 mg/L 6 mg/L
					0.005 mg/L 0.5 mg/L 0.05 mg/L 0.1 mg/L 0.3 mg/L 0.5 mg/L 0.5 mg/L 1 mg/L 1 mg/L Cl^- 600mg/L
					0.1mg/L Cl^- 600 mg/L 0.005mg/L 1 mg/L 0.5 mg/L 0.3 mg/L 0.5 mg/L 1 mg/L 0.05 mg/L 0.5 mg/L
					0.5 mg/L 0.1mg/L 0.005mg/L 1 mg/L Cl^- 600 mg/L 0.5 mg/L 1 mg/L 0.05 mg/L 0.3 mg/L

3.7

3.7-1 /

					mg/m³ mg/L		
	DA022				20	1 /	/
					50	1 /	/
					200	/	
	DA026	40t			20	1 /	/
					50	1 /	/
					200	4 / 6	
	DA001				3	1 /	/
					50	1 /	/
	DA004				20	1 /	/

				mg/m³ mg/L		
				30	1 /	/
				4	1 /	/
DA009				30	1 /	/
DA010				3	1 /	[redacted]
			[redacted]	[redacted]	1 /	/
				10	1 /	/
DA011	2			3	1 /	/
				4	1 /	/
				200	1 /	/
				50	1 /	/
				50	1 /	/
				200	1 /	/
DA013				20	[redacted]	
DA014				20	1 /	/
DA016	1			5	1 /	/
				5	1 /	/
				30	1 /	/
				4	1 /	/
DA018				5 4	1 /	/

					mg/m³ mg/L		
					5	1 /	/
	DA020				20	1 /	/
	DA021				5	1 /	/
					4	1 /	/
					30	1 /	/
					5	1 /	/
	DA023				30	1 /	/
	DA024				50	1 /	/
					20	1 /	/
					10	1 /	/
	DA027				30	1 /	/
	DA028				20	1 /	/
					50	1 /	/
					10	1 /	/
	DA029				10	1 /	/
	DA030				20	1 /	/
	DA031				20	1 /	/
					20	1 /	/
	DA032				200	1 /	/
					200	1 /	/
					60	1 /	/

					mg/m³ mg/L		
	DA033				5	1 /	/
					200	1 /	/
					80	1 /	/
					10	1 /	/
	DW001				1	1 /	/
				pH	6~9	/	
				F-	6	1 /	/
					/		
					1	1 /	/
					1	1 /	/
					6		/
				NH3-N	35	/	
					250	1 /	/
					0.5	1 /	/
				P	2	1 /	/
				N	50	1 /	/
					100	1 /	/
					200	/	
					0.5	1 /	/
					/	1 /	/
	DW002			Cl-	/	1 /	/
					/	1 /	/

					mg/m³ mg/L		
	DW003				0.5	1 /	/
					0.005		/
					1		/
					1		/
				Cl-	600		/
					0.3		/
					0.05		/
					0.5		/
					0.5		/
					0.1		/
				Cl-	/	1 /	/
	DW005			Cl-	/	1 /	/

3.8

3.8.1

1 1500

2 4500

3

50 100%

78%

22%

4 34000t/a

150 3

5

6 12000t/a

27°49'31.00" 114°59'30.03"

27°49'38.42" 114°59'46.68" 27°49'27.99"
114°59'36.41" 27°49'32.01" 114°59'17.33"
27°49'42.44" 114°59'30.46" 5km
1.8km
237 158000m2 66038.21m2
12000t/a 4500t/a 600t/a
72592.09t/a 800t/a 1500t/a

1201
200m2
2022 2023 50%
75%
869.2m2 1 1458.78m2

1458.78m2

2022 7
12000t/a
2022 8 29 2022 73
2021 6 2022
8 2022 8 20 —2022 9 20
91360500MA35GCE49Y001Q 8

351556.9 2926.9

0.83%

1201

200m^2 2022 2023

50% 75%

869.2m2 1

1458.78m2

1458.78m2

[2020]688

3.8-1

	30%			

		12000t/a 4500t/a 600t/a 72592.09t/a 800t/a 1500t/a	12000t/a 4500t/a 600t/a 72592.09t/a 800t/a 1500t/a	
	10%			
	1 2 3 4 10%			
	10%			
	6 10%	2 40t/h 1 1 1 25t/h		

		1 40t/h 40t/h + +15m 1 1 + +15m 1300m^3 1 1300m^3 6 10%	
	10%	10%	

1

1

1 40t/h 25t/h 40t/h

40t/h

25t/h

1 + +15m DA018

2 15m DA032

3 +15m DA032

4 +15m DA018

5 + + + 15m DA028

6 + +15m DA031

+ +15m DA020

7 + +25m DA021

+ +20m DA027

+15m DA023

8 15m DA022 DA026

GB12348-2008 3

1

1

1 800m3 1300m3

1 1300m3

“ ”

2 9

2

“ ”

COD NH3-N pH

GB/T 16157-1996 HJ/T397-2007

1 25t/h 1 40t/h

3

25t/h 2 40t/h

1 1

21 25

25

1 25t/h 1 40t/h 25t/h 40t/h

40t/h

25t/h

1

12000 Ni 0.09mg/L Co 0.04mg/L Mn 0.536mg/L 0.00005L mg/L 0.00002mg/L GB31573-2015 1 Ni 0.5mg/L Co 1mg/L Mn 1mg/L 0.05mg/L 0.005 mg/L 12000 CODcr 34mg/L BOD5 19.8mg/L SS 13.8mg/L NH3-N 4.93mg/L TN 6.99mg/L TP 7.26mg/L 0.14mg/L 2.61mg/L pH 7.3-8.0 0.05L mg/L GB31573-2015 1 CODcr 200mg/L BOD_5 250mg/L SS 100mg/L NH3-N 35mg/L TN 50mg/L TP 8mg/L 6mg/L 6mg/L pH6~9 0.5 mg/L 12000 318mg/L 295mg/L GB/T31962-2015 1 B 600mg/L 800mg/L

pH 7.9-8.2 CODcr 12mg/L NH_3-N 7.54mg/L TN 9.7mg/L TP 0.11mg/L SS 12mg/L BOD5 8.1mg/L pH6~9 CODcr 500mg/L BOD_5 250mg/L SS 300mg/L NH3-N 35mg/L TN 50mg/L TP 8mg/L

2

<20mg/m3 2.27mg/m3 0.032mg/m3

0.354mg/m3 0.071mg/m3

<0.002mg/m3 075 mg/m3

1.13mg/m3

0.032mg/m3 0.53mg/m3

16.4mg/m3 0.68mg/m3

0.371mg/m3 27.6mg/m3

34.7mg/m3 6.416mg/m3

7.084mg/m3

<20mg/m3 9# 16.5mg/m3 SO2

<3mg/m3 NOX 71mg/m3

27.4mg/m3 0.58mg/m3

0.000638mg/m3

0.000266mg/m3 0.000795mg/m3

0.005mg/m3 0.040mg/m3 0.037mg/m3

0.039mg/m3 0.60mg/m3

0.182mg/m3 0.73mg/m3

GB31573-2015 3

GB31574-2015 3

(GB30484-2013) 5

SO2 NOx GB13271-2014

GB16297-1996 2

GB31573-2015 5

(GB30484-2013) 6

GB37822-2019 A.1

3

61.8 dB A 49.4 dB A

GB12348-2008 3

4

5

“ ”

6

53309176t/a 527715.76t/a 5376t/a

COD:47.73t/a NH3-N:2.89t/a

NOx:44.36t/a TVOCs:2.98t/a

COD 18t/a NH3-N 2.64t/a NOX

9.072t/a 0.631t/a

GB3095-2012

HJ2.2-2018 D

GB/T14848 2017

DB36/1282—2020

“ ”

“ ”

3.8.2

( ) (2016 1 1) “

”

2024 8 2 http://xyhdz.xinyu.gov.cn/C4370/gongsgao/2024-08/02/content_140c025bf60545ef8fcb27d56bd6ebd0.shtml 10

4

4.1

4.1.1

4.1-1

4.1.2 (1500)

4.1-2

4.1.3 1500

4.1.4 1500

4.1.5 1500

4.1.6 1500

4.1.7

4500t

12000t/a

4500t

34000t/a

34000t/a

1# 2# 1500t 2#

4.1.8 1500

1500 5

4500 34000t/a

4.2

1

1500 4500

12000t/a

34000t/a

4500

(GB14554-93)

2 GB31573-2015 3

16297-1996 2

GB31573-2015 3

12000t/a

GB31573-2015 3

2

4500

755.05m^3/d “ + ”

GB31573-2015

34000t/a

400 m^3/d 12000 450 m^3/d

“ + + + + +MVR+ + + + + ”

GB31573-2015

15 m^3/d 12000

“pH +A/O + + ”

(GB31573-2015) 1

50m^3/d

“ + + ” 250 m^3/d

GB31573-2015 1

12000t/a

+P507 1941m^3/d “

+ + +MVR ” “ + +MVR ”

P507 “ + +MVR ”

pH

GB31573-2015

“ ”

3 1300m^3 1300m^3 800m^3 1 800m^3

3

4.3.3

4

4.3.4

5

1 800m^3 3 1300m^3 1300m^3

800m^3 1300m^3 34000t/a 12000t/a

800m^3 4500t

“ ”

800m^3 4500 400m^3

50m^3 34000t/a 150m^3

24m^3 50m^3

75m^3 12000t/a 50m^3 30m^3

800m^3

4.3

4.3.1

4.3.2

4.3.3

4.3.4

5

5.1

5.1.1

608

114°59′47.92″ 27°49′21.24″

266 100 16

“ ” “ ” “

” “ ” “

” “ ” “

” “ ”

5.1.2

30 50m

1004m

500 ~1000

1004.5 300 ~500

120 ~200

53544 500

2.03%

100 ~150 1556534

59%

50 1027920

38.97%

5.1.3

15--20

GB18306-2001

GB18306-2001 Tm

0.35s PGA 0.05g 1990

50 10% VI

—

15—20m

[R] 25T/m2

I II 110.9m 65m

5-20°

5.1.4

1 17.8℃

26.6~29.8℃ 40℃ 1971 7 31 1 2

3.5℃~5.6℃ -8.3℃ -4℃

276

2 1667.2 37.5%

102.89 /cm2

7 8 59% 7

14.144 /cm2 11 12 2 5.224

/cm^2

3 1582.3mm 2125mm 1954

986.8mm 1978

629mm 1350—1397.3mm 185—

232.3mm 4—6 46%

10—12 12%

—

4

1071mm 1360.4mm 1963 820.8mm 1975

7—9 45% 1—3
12% 7—8
363.4mm 1971 7 1—2
25.0mm 1984 2
5 1.3m/s 1.6m/s 1.0m/s

5.1.5

( ) 273km
6486km^2 3900km^2
112m^3/s 3 5m^3/s (1926) 5860m^3/s 1962
3710m^3/s 34.44 m^3
116.9km 26.3km
90.6km 0.196% 7.3m 155m
60m( ) “
”

5.1.6

254 841 1888 126 356
913 189 37 19
15 35 217 17.39
54.89% 460.5 2693.9
53.7% 35%

37
39

28

2500m

5.2

5.3

4500

34000t/a 1500

12000t/a

5.4

5.4.1

1

2023

GB3095-2012

5.4-1 μg/m³

		μg/m³	μg/m³	
2023	PM_{10}	57	70	
	$PM_{2.5}$	29	35	
	CO 95%	0.9mg/m³	4( ) mg/m³	
	O_3 8 90%	126mg/m³	160(8)	
	SO_2	13	60	

	NO_2	22	40	

(HJ2.2-2018)

SO_2 NO_2 PM_{10} $PM_{2.5}$ CO O_3

2022

2022 12 30

HLZMWT20220901401 HLZMWT20220901402

9 3

A9

5.4-2

				mg/m³	(mg/Nm³
	2022 9 14	WT2209014HO106009		0.038	
		WT2209014HO106010		0.038	
		WT2209014HO106011		0.036	
		WT2209014HO106012		0.037	
	2022 9 15	WT2209014HO206009		0.037	
		WT2209014HO206010		0.038	
		WT2209014HO206011		0.038	
		WT2209014HO206012		0.037	
	2022 9 16	WT2209014HO306009		0.038	
		WT2209014HO306010		0.036	
		WT2209014HO306011		0.037	
		WT2209014HO306012		0.036	0.1
	2022 9 17	WT2209014HO406009		0.037	
		WT2209014HO406010		0.037	
		WT2209014HO406011		0.039	
		WT2209014HO406012		0.036	
	2022 9 18	WT2209014HO506009		0.035	
		WT2209014HO506010		0.036	
		WT2209014HO506011		0.037	
		WT2209014HO506012		0.035	
	2022 9 19	WT2209014HO606009		0.035	
		WT2209014HO606010		0.036	
		WT2209014HO606011		0.036	
		WT2209014HO606012		0.037	

	2022 9 20	WT2209014HO706009		0.039	
		WT2209014HO706010		0.041	
		WT2209014HO706011		0.041	
		WT2209014HO706012		0.038	
				0.041	
				μ g/m³	**(mg/Nm³**
	2022 9 14	WT2209014HO106005		1.7	
		WT2209014HO106006		1.7	
		WT2209014HO106007		1.9	
		WT2209014HO106008		1.9	
	2022 9 15	WT2209014HO206005		1.5	
		WT2209014HO206006		1.5	
		WT2209014HO206007		1.4	
		WT2209014HO206008		1.3	
	2022 9 16	WT2209014HO306005		1.4	
		WT2209014HO306006		1.5	
		WT2209014HO306007		1.6	
		WT2209014HO306008		1.2	
	2022 9 17	WT2209014HO406005		1.5	
		WT2209014HO406006		1.5	
		WT2209014HO406007		1.5	7
		WT2209014HO406008		1.6	
	2022 9 18	WT2209014HO506005		1.4	
		WT2209014HO506006		1.3	
		WT2209014HO506007		1.4	
		WT2209014HO506008		1.4	
	2022 9 19	WT2209014HO606005		1.4	
		WT2209014HO606006		1.5	
		WT2209014HO606007		1.4	
		WT2209014HO606008		1.5	
	2022 9 20	WT2209014HO706005		1.6	
		WT2209014HO706006		1.5	
		WT2209014HO706007		1.6	
		WT2209014HO706008		1.4	
				1.9	
				mg/m³	**(mg/Nm³**
	2022 9 14	WT2209014H0106013-16		0.67	
		WT2209014H0106017-20		0.65	
		WT2209014H0106021-24		1.11	2.0
		WT2209014H0106025-28		0.87	
	2022 9 15	WT2209014H0206013-16		0.69	

		WT2209014H0206017-20		0.73	
		WT2209014H0206021-24		0.78	
		WT2209014H0206025-28		1.13	
	2022 9 16	WT2209014H0306013-16		0.72	
		WT2209014H0306017-20		0.94	
		WT2209014H0306021-24		1.08	
		WT2209014H0306025-28		0.74	
	2022 9 17	WT2209014H0406013-16		1.04	
		WT2209014H0406017-20		0.72	
		WT2209014H0406021-24		0.99	
		WT2209014H0406025-28		0.83	
	2022 9 18	WT2209014H0506013-16		0.64	
		WT2209014H0506017-20		0.77	
		WT2209014H0506021-24		0.97	
		WT2209014H0506025-28		1.01	
	2022 9 19	WT2209014H0606013-16		0.73	
		WT2209014H0606017-20		1.08	
		WT2209014H0606021-24		0.96	
		WT2209014H0606025-28		0.98	
	2022 9 20	WT2209014H0706013-16		0.96	
		WT2209014H0706017-20		0.79	
		WT2209014H0706021-24		1.03	
		WT2209014H0706025-28		0.80	
				1.13	
				mg/m^3	**(mg/Nm^3**
	2022 12 15	WT2209014H0106001		0.035	
		WT2209014H0106002		0.035	
		WT2209014H0106003		0.036	
		WT2209014H0106004		0.036	
	2022 12 16	WT2209014H0206001		0.035	
		WT2209014H0206002		0.035	
		WT2209014H0206003		0.036	
		WT2209014H0206004		0.035	
	2022 12 17	WT2209014H0306001		0.035	0.05
		WT2209014H0306002		0.036	
		WT2209014H0306003		0.036	
		WT2209014H0306004		0.036	
	2022 12 18	WT2209014H0406001		0.034	
		WT2209014H0406002		0.036	
		WT2209014H0406003		0.035	
		WT2209014H0406004		0.035	
	2022 12 19	WT2209014H0506001		0.035	

		WT2209014H0506002		0.035	
		WT2209014H0506003		0.035	
		WT2209014H0506004		0.035	
	2022 12 20	WT2209014H0606001		0.035	
		WT2209014H0606002		0.037	
		WT2209014H0606003		0.036	
		WT2209014H0606004		0.036	
	2022 12 21	WT2209014H0706001		0.034	
		WT2209014H0706002		0.035	
		WT2209014H0706003		0.035	
		WT2209014H0706004		0.035	
				0.037	

2

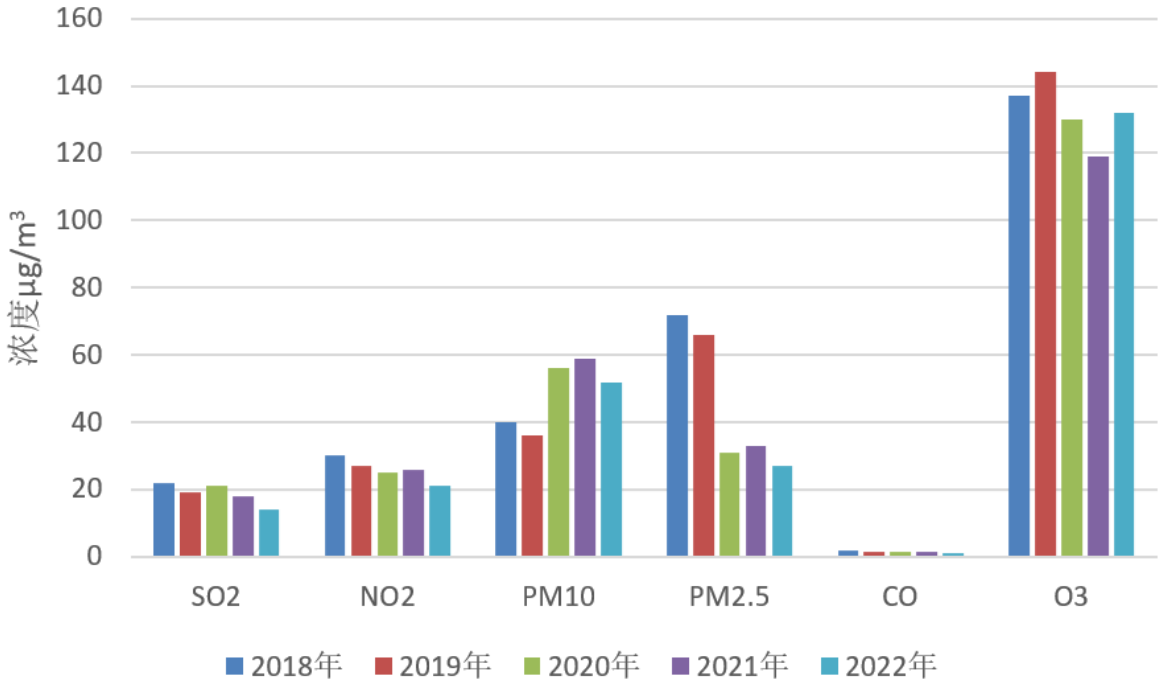
GB3095-2012

HJ2.2-2018 D

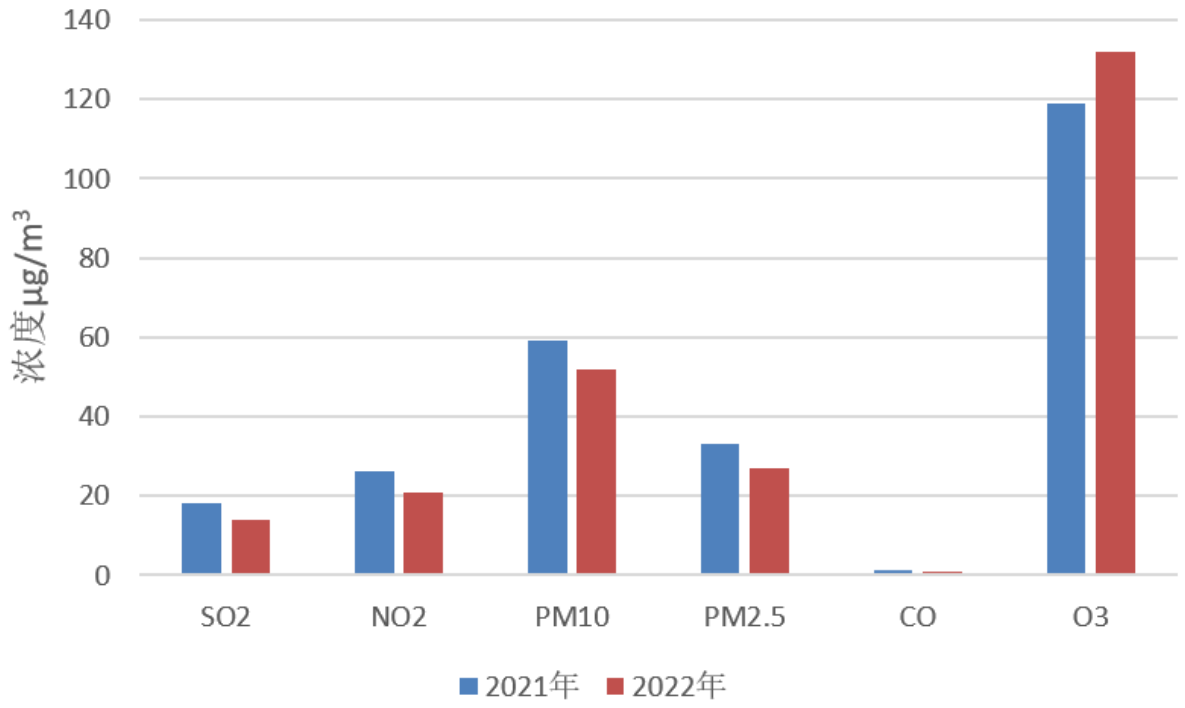
2

2018~2022

2018~2022



5. 4-1 **2018~2022**



5.4-2 **2022** 2021

2018~2022

PM_{10} SO_2 NO_2 CO O_3 2022

2022 2021 O_3 160

2022

5.4.2

2024 3 11

202402023

5.4-3

1m		2.20	59	65
			48	55
1m		2.20	57	65
			47	55
1m		2.20	59	65
			48	55
1m		2.20	58	65
			48	55

GB12348-

2008 3 2013

GB12348-2008 2

5.4.3

2024 3

5.4-4 **2024 3**

GB3838-2002 **pH**

21

2022 6 11

500m 1km 3km 5km 12km

2022 3

1

GB3838-2002

Pi=Ci/Coi

Pi——i

Ci——i

Coi——i

pH

$$P_{PH,j}=\frac{7.0-PH_i}{7.0-PH_{md}} \qquad PH_i<7.0$$

$$P_{PH,j}=\frac{PH_j-7.0}{PH_{mu}-7.0} \qquad PH_j>7.0$$

PpH——pH

pHj—— pH

pHmd—— pH

pHmu—— pH

$S_{i,j}=DO_i/DO_s$ $DO_i \le DO_f$

$DO_i > DO_f$ $S_{DO,j}=\frac{|DO_f-DO_j|}{DO_f-DO_s}$ DO_j

$S_{DO\ j}$ —— 1

DO_j —— j mg/L

DOs —— mg/L

DO_f —— mg/L DO_f =468/ (31.6+T)

DO_f = (491− 2.65S)/(33.5+T)

S —— 1

T ——

2

5. 4-5

SW5	500m	
SW6	1000m	
SW7	3000m	
SW8	5000m	
SW9	12000m	

5.4-6 **(mg/L pH)**

		SW5		SW6		SW7		SW8		SW9	
pH	6 9	7.2	0.1	7.2	0.1	7.2	0.1	7.1	0.05	7.25	0.125
	5	8.075	0.24	8.165	0.22	8.305	0.19	8.315	0.19	8.205	0.21
	6	2.85	0.5	1.75	0.3	2.55	0.4	2.5	0.4	2.8	0.5
COD	20	7.5	0.4	7	0.4	8.5	0.4	9.5	0.5	11.5	0.6
BOD_5	4	0.8	0.2	0.8	0.2	0.7	0.2	0.95	0.2	2.05	0.5
	1	0.078	0.1	0.069	0.1	0.0765	0.1	0.051	0.1	0.0935	0.1
	0.2	0.02	0.1	0.02	0.1	0.02	0.1	0.03	0.2	0.015	0.1
	1	0.009L	/	0.009L	/	0.009L	/	0.009L	/	0.009L	/
	1	0.002	0.002	0.001	0.001	0.002	0.002	0.0015	0.002	0.0035	0.004
	1	0.267	0.3	0.261	0.3	0.2825	0.3	0.2755	0.3	0.2855	0.3
	0.05	0.00155	0.03	0.0015	0.03	0.00125	0.03	0.00255	0.05	0.00165	0.03
	0.0001	0.00007	0.7	0.000065	0.7	0.00008	0.8	0.000065	0.7	0.000055	0.6
	0.05	0.0001L	/	0.0001L	/	0.0001L	/	0.0001L	/	0.0001L	/
	0.05	0.004L	/	0.004L	/	0.004L	/	0.004L	/	0.004L	/
	0.05	0.019L	/	0.019L	/	0.019L	/	0.019L	/	0.019L	/
	0.05	0.001L	/	0.001L	/	0.001L	/	0.001L	/	0.001L	/
	0.2	0.002	0.01	0.003	0.015	0.003	0.015	0.0035	0.018	0.0025	0.013
	0.005	0.0006	0.1	0.0007	0.1	0.0006	0.1	0.00065	0.1	0.0006	0.1
	0.05	0.02	0.4	0.025	0.5	0.02	0.4	0.015	0.3	0.02	0.4
	0.2	0.05L	/	0.05L	/	0.05L	/	0.05L	/	0.05L	/
	0.2	0.003L	/	0.003L	/	0.003L	/	0.003L	/	0.003L	/
CFU/L	10000	45	0.005	15	0.002	30	0.003	20	0.002	15	0.002
	250	19.75	0.1	20.6	0.1	20.65	0.1	21.25	0.1	21.35	0.1
	250	4.54	0.02	5.14	0.02	5.755	0.02	6.4	0.03		

5.4.4

4500 2013

GB/T14848-93

GB/T14848-2017

4500

1

2011 9 19

3 GW1 GW2 GW3

pH

5.4-7

pH	9 19	6.75	7.02	7.32
	9 19	1.8	2.0	2.2
	9 19	<0.05	<0.05	<0.05
	9 19	<0.05	<0.05	<0.05
	9 19	<0.01	<0.01	<0.01
	9 19	<0.004	<0.004	<0.004
	9 19	<0.01	<0.01	<0.01
	9 19	<0.05	<0.05	<0.05
	9 19	<0.01	<0.01	<0.01

GB/T14848-93

2

2022

HLZMWT20221102301 9 2022 11 7 12 5

GW14 GW18

3

5.4-8 **mg/L(pH)**

	2022 GW14	2022 GW18	
pH	7.8	7.5	6~9
K^+	2.86	2.89	/
Na^+	43.6	46.3	≤200
Ca^{2+}	76.8	74.0	/
Mg^{2+}	24.9	47.8	/
	3.44	3.5	250
	5.57	4.67	250
CO_3^{2-}/HCO_3^-	84.4	153	/
	0.161	0.287	0.5
N	0.469	0.258	20
	0.016L	0.016L	1
	0.0008	0.0007	0.002
	0.004L	0.005	0.05
	0.0004	0.0005	0.01
	0.00004L	0.00004L	0.001
	0.036	0.032	0.05
	249	264	450
	0.001L	0.001L	0.01
F^-	0.124	0.094	1
	0.0001	0.0007	0.005
	0.03L	0.03L	0.3
	0.01L	0.01L	0.1
	2.2	2.6	≤3.0
	313	380	/

* L

2016 2022

GB/T14848-2017 2022 2011

5.4.5

2013 4 GB15168-1995

2020

DB36/1282—2020　　2　　2013

4500　　2022

1　2013

2013　4　17

1

2013　4　17

5.4-9　　mg/kg

	2013　4　17	0.186	0.5
	2013　4　17	8.14	25
	2013　4　17	62.2	300
	2013　4　17	38.2	250
	2013　4　17	0.03	0.3
	2013　4　17	12	100
	2013　4　17	8.26	300
	2013　4　17	32.9	50

2013

GB15168-1995

2

2022-03-03　　2022-03-07~2022-03-15　　2013

5.4-10

		2013	**2022**		
1		0.03	0.17	65	mg/kg
2		0.186	0.074	38	mg/kg

3		8.14	10.7	60	mg/kg
4		32.9	46	/	mg/kg
5		62.2	18	800	mg/kg
6		12	25	18000	mg/kg
7		/	ND	37	mg/kg
8		/	ND	0.43	mg/kg
9	1 1-	/	ND	9	mg/kg
10		/	ND	616	mg/kg
11	-1 2-	/	ND	54	mg/kg
12	1 1-	/	ND	9	mg/kg
13	-1 2-	/	ND	596	mg/kg
14		/	ND	0.9	mg/kg
15	1 1 1-	/	ND	840	mg/kg
16		/	ND	2.8	mg/kg
17		/	ND	4	mg/kg
18	1 2-	/	ND	5	mg/kg
19		/	ND	2.8	mg/kg
20	1 2-	/	ND	5	mg/kg
21		/	ND	1200	mg/kg
22	1 1 2-	/	ND	2.8	mg/kg
23		/	ND	53	mg/kg
24		/	ND	270	mg/kg
25	1 1 1 2-	/	ND	10	mg/kg
26		/	ND	28	mg/kg
27	- + -	/	ND	570	mg/kg
28	-	/	ND	640	mg/kg
29		/	ND	1290	mg/kg
30	1 1 2 2-	/	ND	6.8	mg/kg
31	1 2 3-	/	ND	0.5	mg/kg
32	1 4-	/	ND	200	mg/kg
33	1 2-	/	ND	560	mg/kg
34		/	ND	76	mg/kg
35	2-	/	ND	2256	mg/kg
36	(a)	/	ND	15	mg/kg
37	(a)	/	ND	1.5	mg/kg
38	(b)	/	ND	15	mg/kg
39	(k)	/	ND	151	mg/kg
40		/	ND	1293	mg/kg
41	(a h)	/	ND	1.2	mg/kg
42	(1 2 3-c d)	/	ND	15	mg/kg
43		/	ND	70	mg/kg
44		/	ND	260	mg/kg

*　/　/　“ ND ”

6

6.1

4500

34000t/a

12000t/a

6.2

1 Q

B

Q

C.1 Q

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

q1 q2 … qn—— t

Q1 Q2 … Qn—— t

Q 1 I Q≥1 Q 1 1≤Q 10 2 10≤Q 100 3 Q≥100

Q 100

2 M

M 1 M 20 2 10 M≤20 3 5 M≤10 4 M=5 M1 M2 M3 M4

M M3

3 P

Q M C.2

P P1 P2 P3 P4

P P2

6.3

6.3.1

1

E1 E2 E3

E1

2

E1 E2

E3

E2

3

E1

E2 E3

E2

4 E

6.3-1 E

E	E1	E2	E2

6.3.2

III

III

6.3.3

6.3-2

	IV IV+	III	II	I
				a
a A				

6.4

6.4.1

6.4-1

						/
1						/
2						/
3		NH_3 H_2S				/

6.4.2

Ni Mn Co

6.4.3

-1 -

2 88m -1

-2 75m

-1 210m

-2 815m -1 152m -

2 640m

0

6.4.4

150+0-150 +627.46+0=627.46m^3 800m^3

6.4.5

6.5

6.5.1

1

1

2

3

4

5

6

1 /

100m

2

PLC

1

6.5.2

“ — — / ”

1

2

/

3

6.5.3

“

”

1

S6

2

GB 18597-2023

6m $\leq 1.0\times10^{-10}$cm/s

≥ 1.5m $\leq 1.0\times10^{-7}$cm/s

3

4

6.5.4

1

(GB17914-2013)

GB17916-2013 GB15603-1995

2

3

6.5.5

1

2

1/5

1

3

4 20m3 20m3

6.5.6

1

2

3

4

5

6

6.5.7

2024 8 1

“ ”

[2024]274

12000

6.6

2024 4 2 360502-2024-012-M

5

7

7.1

7.1.1

GB13271-2014 2

GB13271-2014 2

7.1.2

15% 15m

15% 15m

GB 31573-2015

HJ 1035-2019

7.1.3

H_2S

\+ +

GB 31573-2015

HJ 1035-2019

7.1.4

(HJ 1035—2019)

HJ 1034-2019

“ + ”

7.1.5

2 +

RTO

+2 +1

+ (HJ

1035—2019)

GB 31573-2015

(GB30484-2013)

7.2

+ +

MVR MVR

pH + +

3 12000 34000t/a

12000t/a

(HJ 1035—2019)

SBR / / MBR

a

MVR

/ /

(HJ 1035—2019)

GB31573-2015 1

GB/T31962-2015 1 B

“ - - -MVR ” pH

+ +

GB 31573-2015

“ ”

7.3

(GB12348-2008) 3

7.4

200m² 1458.78m² 720m²

GB18599-2020

GB18597-2023

HJ 1186-2021

7.4.1

7.4-1

		HW49	900-041-49	200m²		15t	GB 18597-2023)
		HW49	900-039-49			6t	
		HW08	900-214-08			1t	
		HW49	900-041-49			0.1t	

1

“ ”

“ ”

GB18597-

2023

7.4.2

4

200m^2 80%

7.4.3

GB18597-2023

7.5

7.5.1

pH CODcr BOD_5 SS NH_3-N Ni Co Mn Cu

7.5.2

2023 10 11

GB/T14848-2017 III

DB36/1282—2020 2

7.5.3

“ ”

1

2

1.5m

(1.0×10^{-7}cm/s) 6.0m (

1.0×10^{-7}cm/s)

1.5

$\leq10^{-7}$cm/s 2

$\leq10^{-10}$cm/s

$\leq10^{-12}$cm/s

7.5-1

1				Mb 6.0m $\leq10^{-7}$cm/s
2				

3	1#2#			
4				Mb 1.5m ≤10^{-7}cm/s
5				
6				
7				

7.6

7.2

GB 31573-2015

7.7

(1)

(2)

1m

PE

(3)

(4)

“ _ _ ” “ ”

(5)

7.7-1

		DN65			
		/			
		/			
			1		
		8KG			
		/	2		
		5L			
		/	1		
		/			
		/	2		
		/	6		
		/			
		/			
		/	6		
		/	4		
		/	1		
		/	10		/
		/	1		
		/	4		
			2		
		/	2		
		/			
		/			
		/			
		/	2		

		1320m^3	1		
		800m^3	1		
		1200m^3	1		

8

8.1

1500

8.1.1

1 4500

25t +

45m

GB13271-2014

15%

(GB14554-93) 2

+ 16297-1996 2

15%

(GB14554-93) 2

PM_{10} SO_2 NOx

1 10% GB3095-1996

TJ36-79

200m

2

1 +

GB31573-

2015

PM_{10} 10%

GB3095-2012

115m

GB3095-2012

100m

3 34000t/a

GB13271-2014

HF GB9078 1996

GB16297 1996 2

(GB30484-2013) 6

/ /

GB16297-1996 2

GB16297-1996 2

H_2S GB14559-93 2

PM_{10} HF HCL

10%

HF 100m

4

1 +

GB31573-2015 3

HCl

80 mg/m^3

10%

GB31573-2015 3

HCl HBr NOx HClO4

10%

3101

3101

100m 50m 50m

5 12000t/a

1

GB31573-2015

3 1

(GB30484-2013) 5

1

+

(GB30484-2013) 5

GB31573-2015 3

+

GB31573-2015 3

GB31573-2015 3 25t/h 1

40t/h 1 25t/h 1 1 SO2 NOx

GB13271—2014

SO_2 NOx PM10 PM2.5 HCl

100%

30%

100m

50m

8.1.2

8.1-1

		m^3/h	**mg/m^3**	**kg/h**		**mg/m^3**	**kg/h**	**mg/m^3 kg/h**
4500						**2016.11.24~25**		
		38289	/	/		45.5	1.62	50
	SO_2		/	/		26.2	1.0	300
	NOx		/	/		206	7.32	300
		22010	3.47	0.076		1.01	0.02	4.9kg/h
		1198	30.7	0.03		29.4	0.03	120
		6000	2.03	0.01		0.002	0	45
2019.3.19~20								
		2390			+	9.3~29.3	0.03~0.07	30 3.5kg/h
		3410			+	7.3~17.6	0.04~0.06	30 3.5kg/h
	HCl					0.37~3.25	/	30 0.26kg/h
		9326	/	/		7.4~19.3	0.1~0.18	20
	SO_2		/	/			/	50
	NOx		/	/		93~114	1.07~1.18	200
		11630				8~15.2	0.17~0.29	50
	SO_2						/	300

		m^3/h	**mg/m^3**	**kg/h**		**mg/m^3**	**kg/h**	**mg/m^3 kg/h**
	NOx				+ +	92~108	1.07~1.88	300
34000t/a							**2018.12.21~22**	
1		9949	614	/	+	6.1	0.05	18
			787	/				
			24947	/				
			/	/				
		6338	172	/		0.896	5.6×10^{-3}	18
			160	/				
			189	/				
			126	/				
2		4265	411	/	+	7.7	0.03	18
			3857	/				
		2711	151	/		0.237	6.4×10^{-4}	18
			226	/				
		10477	5.06	0. 047	2 +	4. 3	0. 044	6
			1.95	0. 018		0.356	3.6×10^{-3}	
		13970	285	0.88	2 +1	31.7	0. 35	200
			29	0. 08				
			4.78	0.022		4.52	0. 056	6
			5. 37	0. 016				
			0.814	3.6×10^{-3}		0.339	4.3×10^{-3}	80 8. 3kg/h
			0. 68	2.1×10^{-3}				
/		7425	2.07	0. 016		1.71	0.013	45 1.5kg/h
/		/	11.5	/		1. 84	/	100
		7254	2.84	0. 021		2.41	0. 017	45 1.5kg/h
		1157	0.678	1.3×10^{-3}		0.044	$5.2\times10^{-}$	

		m^3/h	**mg/m^3**	**kg/h**		**mg/m^3**	**kg/h**	**mg/m^3 kg/h**
3101	NOx		/	/		9	0.02	200
	HBr		/	/	2	ND	/	5
			/	/		1.83	4.0×10^{-3}	50
1114	HCl	4872	/	/	+	1.64	8.3×10^{-3}	10
	NOx		/	/		14	0.075	200
			/	/		1.8	9.7×10^{-3}	50
12000t/a						**2023.2.16~19**		
		23839	/	/	+	<20	/	30
			/	/		2.27	/	20
			/	/		0.029	/	10
			/	/		0.1554	/	4
			/	/		0.032	/	5
			/	/		<0.002	/	5
			/	/		0.032	/	10
		4622	/	/		0.75	/	20
			/	/		1.13	/	50
		5191	/	/	+	0.53	/	20
			/	/	+	16.4	/	50
			/	/		0.68	/	10
		6176	/	/		0.385	/	20
		3123	/	/	+	27.6	/	30
			/	/		34.7	/	4
			/	/		6.416	/	5
			/	/		7.084	/	5
		2185	/	/	+	27.4	/	30
		10890	/	/		<20	/	30
		5684	/	/	+	0.58	/	20

		m^3/h	**mg/m^3**	**kg/h**		**mg/m^3**	**kg/h**	**mg/m^3 kg/h**
9#		15447	/	/		16.5	/	20
	SO_2		/	/		<3	/	50
	NO_X		/	/		71	/	200

SO_2 NO_X GB13271-2014

NOx HCl GB31573-2015 HBr DB31/933-2015 DB12/524-2020

8.1.3

SK-2206-501

2022 6 3 A3

2.245km

			mg/m³		mg/m³
		2022 6 6	0.08~0.11		0.2
		2022 6 7	0.08~0.11		0.2
		2022 6 8	0.08~0.12		0.2
		2022 6 9	0.06~0.12		0.2
		2022 6 10	0.07~0.12		0.2
		2022 6 11	0.08~0.12		0.2
		2022 6 12	0.09~0.12		0.2
		2022 6 6	0.002~0.003		0.01
		2022 6 7	0.002		0.01
		2022 6 8	0.002		0.01
		2022 6 9	0.002		0.01
		2022 6 10	0.002~0.003		0.01
		2022 6 11	0.002		0.01
		2022 6 12	0.002~0.003		0.01
		2022 6 6	0.163~0.171		0.3
		2022 6 7	0.159~0.166		0.3
		2022 6 8	0.155~0.161		0.3
		2022 6 9	0.156~0.164		0.3
		2022 6 10	0.153~0.164		0.3
		2022 6 11	0.156~0.161		0.3
		2022 6 12	0.157~0.163		0.3
		2022 6 6	0.024		0.01
		2022 6 7	0.023~0.024		0.01
		2022 6 8	0.023~0.025		0.01
		2022 6 9	0.022~0.024		0.01
		2022 6 10	0.022~0.024		0.01
		2022 6 11	0.023~0.024		0.01
		2022 6 12	0.022~0.024		0.01
		2022 6 6	1.34~1.55		2.0
		2022 6 7	1.43~1.57		2.0
		2022 6 8	1.47~1.50		2.0
		2022 6 9	1.38~1.53		2.0
		2022 6 10	1.42~1.47		2.0
		2022 6 11	1.46~1.47		2.0
		2022 6 12	1.32~1.50		2.0

2024

$PM_{2.5}$ PM_{10} SO_2 NOx

8.2

8.2.1

1 4500

300m^3

+ + +

GB8978-1996 “ 4”

GB8978-1996 “ 1”

2

pH COD

SS + +

GB31573-

2015 1

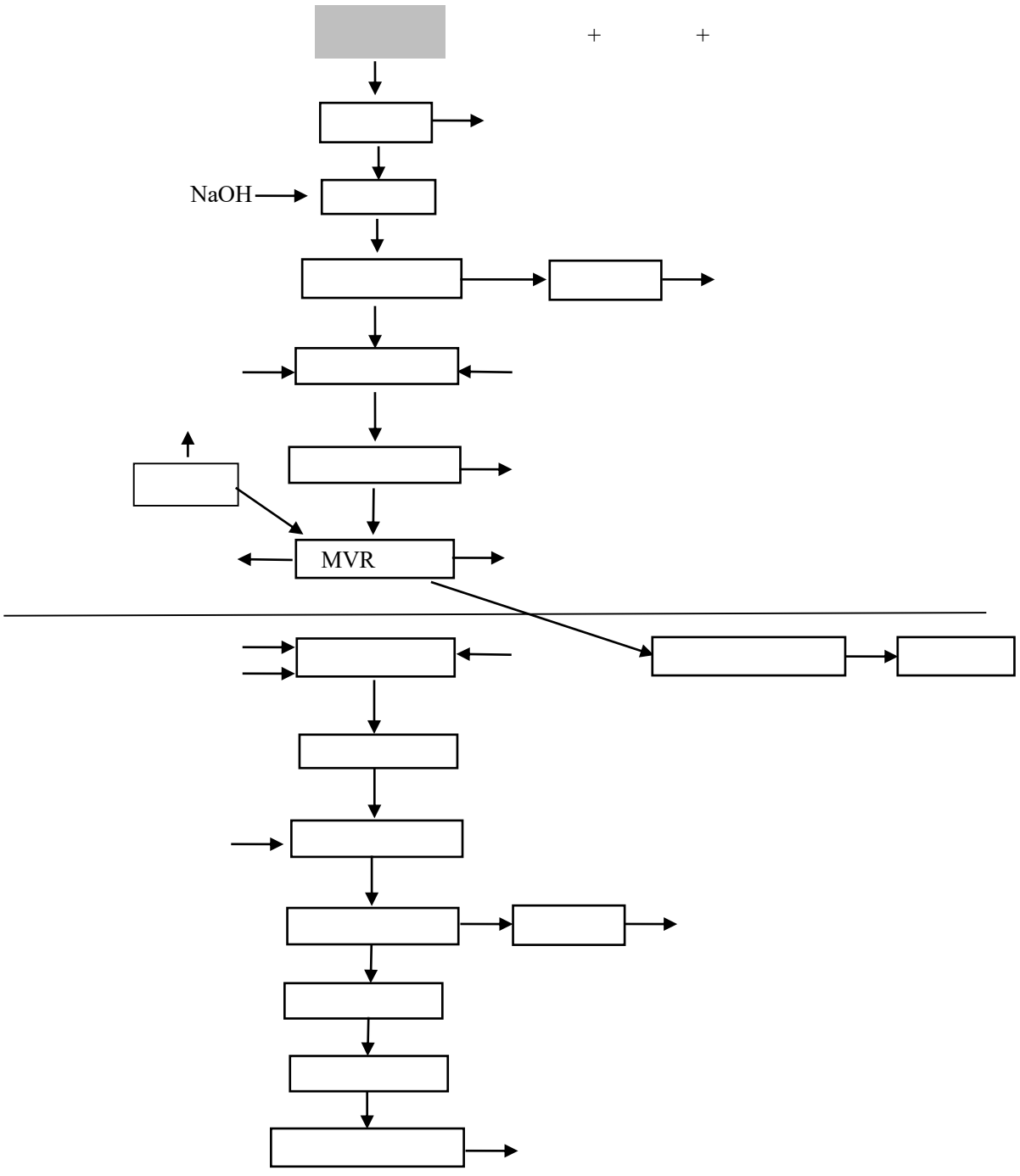
3 34000t/a

272.20m^3/d 29.29m^3/d

4.74m^3/d 4m^3/d 12m^3/d

350m^3/d

400m^3/d



8.2-1

GB8978-1996

GB/T31962-2015 1 B

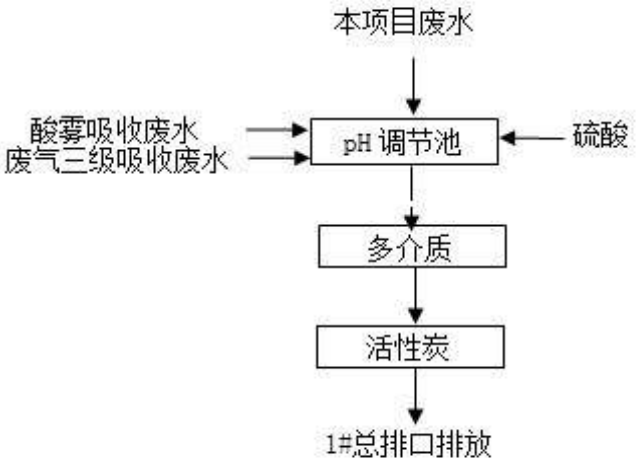
4

12000

GB31573-

2015 1

GB/T31962-2015 1 B pH + +



8.2-2

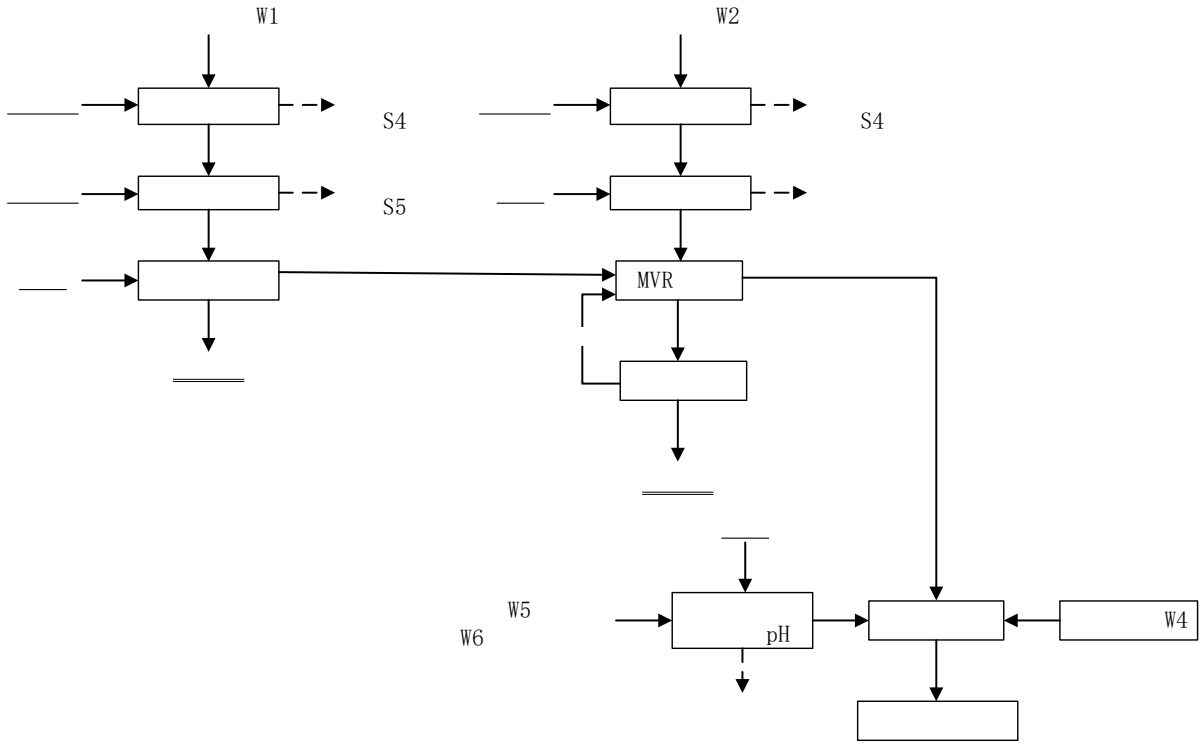
5 12000t/a

GB31573-2015 1

pH MVR

GB31573-2015 1

GB/T31962-2015 1 B



6

8.2.2

1 4500

2016 11 24 25

8.2-1 mg/L pH

★1#	pH	11.24	7.44-7.62	7.55	--	--
		11.25	7.46-7.68	7.57	--	--
	COD_{cr}	11.24	89-113	99	--	--
		11.25	141-165	152	--	--
	Ni	11.24	0.05-0.14	0.11	--	--
		11.25	0.05-0.15	0.10	--	--
	NH_3-N	11.24	18.8-19.6	19.2	--	--
		11.25	18.9-19.3	19.1	--	--
	SS	11.24	75-86	80	--	--

		11.25	76-82	79	--	--
	Zn	11.24	0.05-0.05	0.05	--	--
		11.25	0.05-0.05	0.05	--	--
	Mn	11.24	66.9-74.4	70.5	--	--
		11.25	62.2-80.5	70.5	--	--
		11.24	0.027-0.035	0.031	--	--
		11.25	0.029-0.032	0.030	--	--
	F^-	11.24	1.20-1.24	1.21	--	--
		11.25	1.20-1.27	1.23	--	--
★2#	pH	11.24	11.88-12.00	11.94	--	--
		11.25	11.68-12.00	11.86	--	--
	COD_{cr}	11.24	498-576	533	--	--
		11.25	435-500	460	--	--
	Ni	11.24	106-131	116	--	--
		11.25	102-130	119	--	--
	NH_3-N	11.24	32.1-35.4	33.7	--	--
		11.25	30.3-36.8	33.7	--	--
	SS	11.24	113-116	115	--	--
		11.25	113-116	115	--	--
	Zn	11.24	0.42-0.48	0.45	--	--
		11.25	0.39-0.50	0.45	--	--
	Mn	11.24	1.25-1.57	1.40	--	--
		11.25	1.17-2.04	1.68	--	--
		11.24	0.019-0.025	0.022	--	--
		11.25	0.016-0.022	0.020	--	--
	F^-	11.24	1.45-1.48	1.47	--	--
		11.25	1.38-1.47	1.44	--	--
	pH	11.24	8.66-8.72	8.75	6-9	
		11.25	8.66-8.78	8.71		
	COD_{cr}	11.24	132-156	142	350	
		11.25	141-153	146		
	Ni	11.24	0.34-0.49	0.41	1.0	

★3#

	F^-	11.24	0.71-0.74	0.73	10	
		11.25	0.69-0.72	0.71		
★4#	pH	11.24	7.58-7.64	7.61	6-9	
		11.25	7.62-7.84	7.99		
	COD_{cr}	11.24	109-121	115	350	
		11.25	105-113	109		
	Ni	11.24	2.10-2.33	2.20	1.0	
		11.25	1.90-2.31	2.15		
	NH_3-N	11.24	2.16-2.46	2.32	25	
		11.25	2.10-2.37	2.23		
	SS	11.24	22-28	25	200	
		11.25	22-26	25		
	Zn	11.24	0.11-0.14	0.13	2.0	
		11.25	0.11-0.14	0.13		
	Mn	11.24	0.34-0.41	0.38	2.0	
		11.25	0.27-0.52	0.38		
		11.24	0.018-0.021	0.020	1.0	
		11.25	0.020-0.026	0.023		
	F^-	11.24	0.93-1.01	0.97	10	
		11.25	0.92-0.98	0.96		
★5#	SS	11.24	54-62	58	200	
		11.25	34-53	42	200	
	COD_{cr}	11.24	238-258	248	350	
		11.25	222-246	233	350	
	BOD_5	11.24	110-125	118	150	
		11.25	105-115	109	150	
	NH_3-N	11.24	7.77-8.96	8.33	25	
		11.25	7.45-7.94	7.70	25	

+ + +

GB8978-1996 “ 4”

GB8978-1996 “ 1”

2

2019 3 19 20

8.2-2 mg/L pH

	CODcr	3.19 1	8.79	4.8~16.8	200	
		3.19 2	16.8			
		3.19 3	4.8			
		3.19 4	7.2			

		3.20 1	13.5			
		3.20 2	11.1			
		3.20 3	6.34			
		3.20 4	4.0_L			
	SS	3.19 1	31	12~31	100	
		3.19 2	27			
		3.19 3	12			
		3.19 4	26			
		3.20 1	16			
		3.20 2	17			
		3.20 3	19			
		3.20 4	14			
	BOD_5	3.19 1	6.72	4.44~6.72	150	
		3.19 2	6.69			
		3.19 3	5.66			
		3.19 4	6.31			
		3.20 1	5.34			
		3.20 2	5.14			
		3.20 3	4.72			
		3.20 4	4.44			
	NH_3-N	3.19 1	4.3	2.17~4.3	40	
		3.19 2	3.13			
		3.19 3	2.6			
		3.19 4	2.86			
		3.20 1	2.17			
		3.20 2	2.51			
		3.20 3	2.24			
		3.20 4	2.55			
	pH	3.19 1	7.65	7.37~7.65	6~9	
		3.19 2	7.58			
		3.19 3	7.62			
		3.19 4	7.55			
		3.20 1	7.37			
		3.20 2	7.47			
		3.20 3	7.44			
		3.20 4	7.42			
	CODcr	3.19 1	26	24.2~42.7	200	
		3.19 2	37.6			
		3.19 3	29.6			
		3.19 4	42.7			
		3.20 1	40.5			
		3.20 2	31.3			
		3.20 3	24.2			
		3.20 4	28.2			
	SS	3.19 1	13	11~20	100	
		3.19 2	17			
		3.19 3	11			
		3.19 4	12			

		3.20 1	18			
		3.20 2	13			
		3.20 3	20			
		3.20 4	13			
	NH_3-N	3.19 1	9.11	6.94~10.7	40	
		3.19 2	8.49			
		3.19 3	9.11			
		3.19 4	10.7			
		3.20 1	6.94			
		3.20 2	7.35			
		3.20 3	7.25			
		3.20 4	7.97			
		3.19 1	0.73	0.56~0.89	6	
		3.19 2	0.89			
		3.19 3	0.56			
		3.19 4	0.71			
		3.20 1	0.62			
		3.20 2	0.58			
		3.20 3	0.84			
		3.20 4	0.76			

(GB31573-2015)

3 34000t/a

2018 12 21~22

8.2-3 (mg/L pH)

			1	**2**	**3**	**4**				
		2018.12.21	0.02	0.02_L	0.02_L	0.02_L	0.02	0.02	1	
		2018.12.22	0.02_L	0.02_L	0.02_L	0.02_L	0.02_L			
		2018.12.21	0.01_L	0.01_L	0.01_L	0.01	0.01	0.01	1	
		2018.12.22	0.01_L	0.01_L	0.01_L	0.01_L	0.01_L			
	pH	2018.12.21	12.65	12.7	12.63	12.53	/	/	/	/
		2018.12.22	12.06	11.93	11.65	11.89	/		/	/
	CODcr	2018.12.21	1172	1543	1797	2519	1757.75	1757.75	/	/
		2018.12.22	1806	1537	1677	1355	1593.75		/	/
	SS	2018.12.21	97	72	54	223	111.5	111.5	/	/

			1	**2**	**3**	**4**				
		2018.12.22	98	125	103	83	102.25		/	/
	NH_3-N	2018.12.21	6.14	6.59	5.8	5.91	6.11	6.135	/	/
		2018.12.22	6.02	6.25	5.91	6.36	6.135		/	/
		2018.12.21	50.5	45.7	24.3	58.2	44.675	44.675	/	/
		2018.12.22	43.4	50.6	28.3	55.7	44.5		/	/
	BOD_5	2018.12.21	0.5_L	2.99	1.15	1.41	1.85	2.0635	/	/
		2018.12.22	3.54	2.37	1.21	1.13	2.0625		/	/
		2018.12.21	70024	69768	70275	68951	69754.5	69756	/	/
		2018.12.22	69881	69034	69998	70111	69756		/	/
		2018.12.21	0.051_L	0.051_L	0.051_L	0.051_L	0.051_L	0.051_L	/	/
		2018.12.22	0.051_L	0.051_L	0.051_L	0.051_L	0.051_L		/	/
		2018.12.21	47.2	41.4	40.5	41.5	42.65	79.7	/	/
		2018.12.22	103	59	87.5	69.3	79.7		/	/
		2018.12.21	0.02_L	0.02_L	0.02	0.02_L	0.02	0.02	/	/
		2018.12.22	0.02_L	0.02_L	0.02_L	0.02_L	0.02_L		/	/
		2018.12.21	0.01_L	0.01_L	0.01_L	0.01_L	0.01_L	0.01_L	/	/
		2018.12.22	0.01_L	0.01_L	0.01_L	0.01_L	0.01_L		/	/
		2018.12.21	0.004_L	0.018	0.004_L	0.004_L	0.018	0.018	/	/
		2018.12.22	0.004_L	0.004_L	0.004_L	0.004_L	0.004_L		/	/
		2018.12.21	0.006_L	0.006_L	0.006_L	0.006_L	0.006_L	0.006_L	/	/
		2018.12.22	0.006_L	0.006_L	0.006_L	0.006_L	0.006_L		/	/
	pH	2018.12.21	8.27	8.08	8.11	8.11	/	/	6~9	
		2018.12.22	8.06	8.07	8.06	8.13	/	/	6~9	
	CODcr	2018.12.21	23	6	22	26	19.25	19.25	350	
		2018.12.22	6	13	7	8	8.5			
	SS	2018.12.21	4	4	4	4	4	4	200	
		2018.12.22	4	4	4	4	4			
	NH_3-N	2018.12.21	0.14	0.14	0.025_L	0.025_L	0.14	0.14	25	
		2018.12.22	0.025_L	0.025_L	0.025_L	0.025_L	0.025_L			
		2018.12.21	0.21	0.31	0.15	0.21	0.22	0.22	5.0	
		2018.12.22	0.13	0.2	0.12	0.1	0.1375			
	BOD_5	2018.12.21	0.5_L	1.86	0.8	0.5_L	1.33	1.33	150	
		2018.12.22	0.5_L	0.5_L	0.87	0.5_L	0.87			
		2018.12.21	357	271	280	545	363.25	418	600	
		2018.12.22	572	428	412	260	418			
		2018.12.21	0.051_L	0.051_L	0.051_L	0.051_L	0.051_L	0.42	0.5	
		2018.12.22	0.051_L	0.051_L	0.051_L	0.42	0.42			
		2018.12.21	3.54	1.12	1.31	1.28	1.8125	1.81	10	

			1	**2**	**3**	**4**			
		2018.12.22	1	1.51	1.26	0.77	1.135	25	
		2018.12.21	0.02_L	0.02_L	0.02_L	0.02_L	0.02_L	0.02_L	1.0
		2018.12.22	0.02_L	0.02_L	0.02_L	0.02_L	0.02_L		
		2018.12.21	0.01_L	0.01_L	0.01_L	0.01_L	0.01_L	0.01_L	1.0
		2018.12.22	0.01_L	0.01_L	0.01_L	0.01_L	0.01_L		
		2018.12.21	0.004_L	0.018	0.004_L	0.009	0.0135	0.01	1.0
		2018.12.22	0.004_L	0.004_L				35	

	pH	3.2	7.8	7.7	7.7	7.7	7.73	-
		3.3	7.7	7.7	7.8	7.7	7.7	
	SS	3.2	8	6	5	6	6	-
		3.3	4L	6	5	8	5	-
		3.2	920	1279	640	1080	980	-
		3.3	959	1199	639	1000	949	-
		3.2	1.99	2.12	1.61	1.87	1.90	-
		3.3	2.03	2.05	1.74	1.91	1.93	-
		3.2	5.60	5.45	5.28	5.45	5.45	-
		3.3	5.23	5.12	5.02	5.39	5.19	-
		3.2	5.80	6.11	5.61	5.95	5.87	-
		3.3	5.70	5.76	5.63	5.47	5.64	-
		3.2	4.54	4.52	4.75	4.50	4.58	-
		3.3	4.15	4.03	3.95	3.89	4.01	-
		3.2	8.12	7.65	7.51	7.51	7.70	-
		3.3	7.61	7.48	8.37	7.88	7.84	-
		3.2	950	932	1112	936	982	-
		3.3	926	940	918	1124	977	
	pH	3.2	6.7	6.7	6.7	6.7	6.70	6~9
		3.3	6.7	6.7	6.7	6.7	6.7	
	SS	3.2	4_L	4_L	4_L	4_L	4_L	100
		3.3	4_L	4_L	4	4_L	4_L	
		3.2	59	50	51	43	51	200
		3.3	65	55	52	50	56	
		3.2	0.131	0.196	0.092	0.170	0.147	25
		3.3	0.235	0.222	0.222	0.144	0.206	
		3.2	3.60	3.45	3.36	3.53	3.49	60
		3.3	3.16	3.43	3.28	3.45	3.33	
		3.2	1.90	1.83	1.83	1.81	1.84	2
		3.3	1.80	1.83	1.76	1.74	1.78	
		3.2	0.14	0.15	0.14	0.15	0.15	6
		3.3	0.15	0.15	0.14	0.14	0.15	
		3.2	4.12	4.09	4.21	4.28	4.18	6
		3.3	4.39	4.41	4.15	4.04	4.25	
		3.2	672	674	684	676	676	800
		3.3	680	674	674	676	676	

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8.2-5

	pH	10.6	0.5	0.5-0.6
		10.6	0.5	
		10.6	0.5	
		10.6	0.6	
	CODcr	10.6	11598	11292
		10.6	11282	
		10.6	12032	
		10.6	10256	
	BOD_5	10.6	4663	4700
		10.6	4663	
		10.6	4772	
		10.6	4703	
	SS	10.6	196	185
		10.6	226	
		10.6	149	
		10.6	168	
	NH_3-N	10.6	67.3	65.8
		10.6	70.2	
		10.6	61.0	
		10.6	64.6	
	TN	10.6	262	263
		10.6	222	
		10.6	230	
		10.6	338	
	TP	10.6	1107	1112
		10.6	1136	
		10.6	1102	
		10.6	1105	
		10.6	55.0	45.8
		10.6	56.0	
		10.6	37.5	
		10.6	34.5	
	Ni	10.6	158	155
		10.6	154	
		10.6	155	
		10.6	152	
	Co	10.6	24	24
		10.6	24	

		10.6	24	
		10.6	23	
	Mn	10.6	886	868
		10.6	865	
		10.6	866	
		10.6	856	
		10.6	396	388
		10.6	381	
		10.6	355	
		10.6	419	
		10.6	52.2*10^3	46.4*10^3
		10.6	41.3*10^3	
		10.6	46.3*10^3	
		10.6	45.9*10^3	
		10.6	153*10^3	115*10^3
		10.6	107*10^3	
		10.6	101*10^3	
		10.6	99.5*10^3	
	pH	10.7	0.5	0.5
		10.7	0.5	
		10.7	0.5	
		10.7	0.6	
	CODcr	10.7	19187	19247
		10.7	19701	
		10.7	18398	
		10.7	19701	
	BOD_5	10.7	5663	5614
		10.7	5574	
		10.7	5623	
		10.7	5594	
	SS	10.7	284	188
		10.7	125	
		10.7	186	
		10.7	155	
	NH_3-N	10.7	67.0	65
		10.7	63.4	
		10.7	61.6	
		10.7	66.3	
	TN	10.7	266	236
		10.7	211	
		10.7	209	

		10.7	258	
	TP	10.7	1109	1053
		10.7	1048	
		10.7	1082	
		10.7	974	
		10.7	33.9	39
		10.7	39.0	
		10.7	41.0	
		10.7	41.5	
	Ni	10.7	143	143
		10.7	143	
		10.7	142	
		10.7	143	
	Co	10.7	22	22
		10.7	22	
		10.7	22	
		10.7	22	
	Mn	10.7	811	816
		10.7	822	
		10.7	813	
		10.7	818	
		10.7	460	414
		10.7	414	
		10.7	409	
		10.7	373	
		10.7	44.8*10^3	44.0*10^3
		10.7	43.8*10^3	
		10.7	43.6*10^3	
		10.7	43.8*10^3	
		10.7	102*10^3	98.5*10^3
		10.7	98.6*10^3	
		10.7	96.6*10^3	
		10.7	96.7*10^3	
	pH	10.6		-
		10.6		
		10.6		
		10.6		
	CODcr	10.6	8884	9774
		10.6	9720	
		10.6	10249	
		10.6	10241	

	BOD_5	10.6	3851	3910
		10.6	3930	
		10.6	3920	
		10.6	3940	
	SS	10.6	206	155
		10.6	126	
		10.6	156	
		10.6	133	
	NH_3-N	10.6	19.4	19.6
		10.6	20.4	
		10.6	18.6	
		10.6	19.8	
	TN	10.6	80.0	119
		10.6	111	
		10.6	104	
		10.6	180	
	TP	10.6	5.68	5.75
		10.6	5.72	
		10.6	5.89	
		10.6	5.72	
		10.6	55.3	38.2
		10.6	44.4	
		10.6	27.2	
		10.6	26.0	
	Ni	10.6	90	90
		10.6	91	
		10.6	90	
		10.6	89	
	Co	10.6	143	143
		10.6	144	
		10.6	143	
		10.6	142	
	Mn	10.6	61313	59656
		10.6	61312	
		10.6	57188	
		10.6	58812	
		10.6	163	149
		10.6	163	
		10.6	131	
		10.6	140	
		10.6	11.0*10^3	9.19*10^3

		10.6	8.08*10^3	
		10.6	8.64*10^3	
		10.6	9.04*10^3	
		10.6	8.80	7.35
		10.6	6.46	
		10.6	6.91	
		10.6	7.23	
	pH	10.7		-
		10.7		
		10.7		
		10.7		
	CODcr	10.7	10312	10310
		10.7	10304	
		10.7	10304	
		10.7	10320	
	BOD_5	10.7	3930	4010
		10.7	4059	
		10.7	3980	
		10.7	4069	
	SS	10.7	161	145
		10.7	152	
		10.7	124	
		10.7	142	
	NH_3-N	10.7	18.4	18.6
		10.7	19.5	
		10.7	17.7	
		10.7	18.7	
	TN	10.7	86.3	108
		10.7	120	
		10.7	94.0	
		10.7	130	
	TP	10.7	5.88	5.76
		10.7	5.78	
		10.7	5.75	
		10.7	5.65	
		10.7	31.0	21.6
		10.7	23.5	
		10.7	5.0	
		10.7	26.8	
	Ni	10.7	94	93
		10.7	91	

		10.7	94	
		10.7	92	
	Co	10.7	152	149
		10.7	142	
		10.7	151	
		10.7	151	
	Mn	10.7	56500	56516
		10.7	56438	
		10.7	56250	
		10.7	56875	
		10.7	133	132
		10.7	125	
		10.7	138	
		10.7	131	
		10.7	9.34*10^3	9.15*10^3
		10.7	8.80*10^3	
		10.7	9.30*10^3	
		10.7	9.15*10^3	
		10.7	131*10^3	126*10^3
		10.7	113*10^3	
		10.7	118*10^3	
		10.7	141*10^3	
	pH	10.6	7.6	7.6-7.9
		10.6	7.8	
		10.6	7.9	
		10.6	7.7	
	CODcr	10.6	43	34
		10.6	48	
		10.6	5	
		10.6	42	
	BOD_5	10.6	15.6	16.2
		10.6	16.5	
		10.6	15.9	
		10.6	16.7	
	SS	10.6	14	13.2
		10.6	13	
		10.6	12	
		10.6	14	
	NH_3-N	10.6	10.2	4.93
		10.6	6.31	
		10.6	0.739	

		10.6	2.46	
	TN	10.6	13.8	6.99
		10.6	7.90	
		10.6	1.74	
		10.6	4.53	
	TP	10.6	2.64	7.26
		10.6	1.95	
		10.6	0.16	
		10.6	24.3	
		10.6	0.18	0.14
		10.6	0.20	
		10.6	0.06L	
		10.6	0.19	
	Ni	10.6	0.05	0.09
		10.6	0.22	
		10.6	0.03	
		10.6	0.05	
	Co	10.6	0.02	0.04
		10.6	0.09	
		10.6	0.01	
		10.6	0.02	
	Mn	10.6	0.674	0.536
		10.6	0.373	
		10.6	0.413	
		10.6	0.684	
		10.6	3.14	2.61
		10.6	2.70	
		10.6	2.29	
		10.6	2.31	
		10.6	314	318
		10.6	325	
		10.6	318	
		10.6	317	
		10.6	284	295
		10.6	316	
		10.6	293	
		10.6	286	
	pH	10.7	8.0	7.3-8.0
		10.7	8.0	
		10.7	8.0	
		10.7	7.3	

	CODcr	10.7	33	17.5
		10.7	4L	
		10.7	7	
		10.7	30	
	BOD_5	10.7	19.7	19.8
		10.7	19.8	
		10.7	19.7	
		10.7	19.8	
	SS	10.7	17	13.8
		10.7	14	
		10.7	11	
		10.7	13	
	NH_3-N	10.7	2.86	2.11
		10.7	0.114	
		10.7	0.086	
		10.7	5.38	
	TN	10.7	3.79	3.23
		10.7	1.14	
		10.7	1.20	
		10.7	6.80	
	TP	10.7	3.99	3.32
		10.7	0.14	
		10.7	0.28	
		10.7	8.89	
		10.7	0.10	0.07
		10.7	0.06L	
		10.7	0.06L	
		10.7	0.17	
		10.7		
	Ni			

		10.7	3.11	
		10.7	2.49	
		10.7	1.99	
		10.7	309	314
		10.7	316	
		10.7	316	
		10.7	313	
		10.7	285	284
		10.7	286	
		10.7	284	
		10.7	281	
		12.3-12.4	0.00005L	0.00005L
		12.3-12.4	0.05L	0.05L
		12.3-12.4	0.00002L-0.00002	0.00002
	pH	2.18	7.9	7.9-8.0
		2.18	8.0	
		2.18	8.0	
		2.18	7.9	
	CODcr	2.18	10	8
		2.18	7	
		2.18	8	
		2.18	8	
	NH_3-N	2.18	7.62	7.52
		2.18	7.53	
		2.18	7.08	
		2.18	7.84	
	TN	10.6	15.4	9.7
		10.6	10.7	
		10.6	7.16	
		10.6	5.39	
	TP	2.18	0.07	0.07
		2.18	0.06	
		2.18	0.08	
		2.18	0.07	
	SS	2.18	8	12
		2.18	8	
		2.18	17	
		2.18	14	
	BOD_5	2.18	7.6	7.7
		2.18	7.8	
		2.18	7.8	

		2.18	7.6	
	pH	2.19	8.0	8.0-8.2
		2.19	8.1	
		2.19	8.2	
		2.19	8.0	
	CODcr	2.19	14	12
		2.19	11	
		2.19	12	
		2.19	13	
	NH_3-N	2.19	7.43	7.54
		2.19	7.59	
		2.19	7.34	
		2.19	7.78	
	TN	10.7	4.61	5.05
		10.7	4.39	
		10.7	4.16	
		10.7	7.03	
	TP	2.19	0.11	0.11
		2.19	0.11	
		2.19	0.10	
		2.19	0.11	
	SS	2.19	7	6.5
		2.19	9	
		2.19	10	
		2.19	10	
	BOD_5	2.19	7.9	8.1
		2.19	8.3	
		2.19	8.5	
		2.19	7.8	
	pH	3.8	8.0	8.0-8.1
		3.8	8.0	
		3.8	8.1	
		3.8	8.1	
	CODcr	3.8	7	7.5
		3.8	11	
		3.8	8	
		3.8	4	
	NH_3-N	3.8	0.400	0.363
		3.8	0.385	
		3.8	0.341	
		3.8	0.326	

		3.8	0.06	0.04
		3.8	0.04	
		3.8	0.02	
		3.8	0.02	
		3.8	0.02	0.01L
		3.8	0.01	
		3.8	0.01L	
		3.8	0.01L	
		3.8	0.042	0.028
		3.8	0.030	
		3.8	0.021	
		3.8	0.018	
	pH	3.11	7.9	7.9
		3.11	7.9	
		3.11	7.9	
		3.11	7.9	
	CODcr	3.11	11	10
		3.11	11	
		3.11	8	
		3.11	12	
	NH_3-N	3.11	0.179	0.180
		3.11	0.165	
		3.11	0.165	
		3.11	0.209	
		3.11	0.03	0.03
		3.11	0.03	
		3.11	0.03	
		3.11	0.04	
		3.11	0.004	0.006
		3.11	0.006	
		3.11	0.006	
		3.11	0.008	
		3.11	0.012	0.014
		3.11	0.013	
		3.11	0.012	
		3.11	0.017	
		12.3-12.4	0.00005L	0.00005L
		12.3-12.4	0.05L	0.05L
		12.3-12.4	0.00002L-0.00006	0.00004

Ni Co Mn GB31573-2015 1				

Ni Co Mn

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8.2.3

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8.2-6 **(mg/L pH)**

		SW5		SW6		SW7		SW8		SW9	
pH	6 9	7.2	0.1	7.2	0.1	7.2	0.1	7.1	0.05	7.25	0.125
	5	8.075	0.24	8.165	0.22	8.305	0.19	8.315	0.19	8.205	0.21
	6	2.85	0.5	1.75	0.3	2.55	0.4	2.5	0.4	2.8	0.5
COD	20	7.5	0.4	7	0.4	8.5	0.4	9.5	0.5	11.5	0.6
BOD_5	4	0.8	0.2	0.8	0.2	0.7	0.2	0.95	0.2	2.05	0.5
	1	0.078	0.1	0.069	0.1	0.0765	0.1	0.051	0.1	0.0935	0.1
	0.2	0.02	0.1	0.02	0.1	0.02	0.1	0.03	0.2	0.015	0.1
	1	0.009L	/	0.009L	/	0.009L	/	0.009L	/	0.009L	/
	1	0.002	0.002	0.001	0.001	0.002	0.002	0.0015	0.002	0.0035	0.004
	1	0.267	0.3	0.261	0.3	0.2825	0.3	0.2755	0.3	0.2855	0.3
	0.05	0.00155	0.03	0.0015	0.03	0.00125	0.03	0.00255	0.05	0.00165	0.03
	0.0001	0.00007	0.7	0.000065	0.7	0.00008	0.8	0.000065	0.7	0.000055	0.6
	0.05	0.0001L	/	0.0001L	/	0.0001L	/	0.0001L	/	0.0001L	/
	0.05	0.004L	/	0.004L	/	0.004L	/	0.004L	/	0.004L	/
	0.05	0.019L	/	0.019L	/	0.019L	/	0.019L	/	0.019L	/
	0.05	0.001L	/	0.001L	/	0.001L	/	0.001L	/	0.001L	/

	0.2	0.002	0.01	0.003	0.015	0.003	0.015	0.0035	0.018	0.0025	0.013
	0.005	0.0006	0.1	0.0007	0.1	0.0006	0.1	0.00065	0.1	0.0006	0.1
	0.05	0.02	0.4	0.025	0.5	0.02	0.4	0.015	0.3	0.02	0.4
	0.2	0.05L	/	0.05L	/	0.05L	/	0.05L	/	0.05L	/
	0.2	0.003L	/	0.003L	/	0.003L	/	0.003L	/	0.003L	/
CFU/L	10000	45	0.005	15	0.002	30	0.003	20	0.002	15	0.002
	250	19.75	0.1	20.6	0.1	20.65	0.1	21.25	0.1	21.35	0.1
	250	4.54	0.02	5.14	0.02	5.755	0.02	6.4	0.03	6.08	0.02
	10	1.215	0.1	1.32	0.1	128	12.8	1.335	0.1	1.29	0.1
	0.3	0.01765	0.1	0.0195	0.1	0.0143	/	0.02585	0.1	0.1135	0.4
	0.1	0.0009	0.01	0.0005L	/	0.0005L	/	0.0005L	/	0.00255	/
	0.02	0.006L	/	0.006L	/	0.006L	/	0.006L	/	0.006L	/
	/	6	/	8.5	/	8.5	/	7.5	/	7.5	/
	0.0001	0.00003		0.00003		0.00003		0.00003		0.00003	

1 GB3838-2002

8.3

8.3.1

1 4500

2

3 34000t/a

4

5 12000t/a

HW49 HW49 HW08

HW49

200m^2 1458.78m^2

720m^2

8.3.2

8.3-1

		t/a	t/a			
4500						
		362	0	720m^2		
		257				
		61				
		458				
		20	20			
		415	0			
		7	7			
		10	10			/
		1221.8	1000			
		2025	0			

		t/a	t/a			
		557	0			
		30	25			/
34000t/a						
		8340	8340			
		6340.276	6340.276			
		4400	4400			
		8645	8645			
		1329.454	1329.454	1458.78m^2		/
		1355.816	1355.816			
		12078.44	12078.44			
		26	26			
		25	25			
		1357.2	1357.2			
		134.3	134.3			
		39.1	39.1			
		1.5	1.5	200m^2		/
		570	570			
		480	480			
		350	350			
		9.3	9.3			/
		3.1	3.1			
		0.1t/5a	0.1t/5a	720m^2		/
		24.2	24.2			
		/	/			
		0.2	0.2			
		4.0	4.0			/
		34.2t/5a	34.2t/5a			
12000t/a						
		1579.14	600			
		29.89	0			
		771.10	257.01	720m^2		/
		21.06	0			
		0.5	0			

		t/a	t/a			
		0.3	0			
		1.5	0			
		19.4	0			
		29.63	0			
		5.98	0			/
		1.0	0			
		0.05	0			
		33.6	33.6			/

100%

GB 18599-2020 GB 18597-2023

8.4

12000t/a

GB12348-2008

3

8.4-1

	dB A	dB A		dB A	
N1	65dB A 55dB A	50.3		46.2	
N2		53.8		47.4	
N3		50.2		45.7	
N4		46.3		43.6	
N5		51.3		47.0	
N6		44.0		41.5	
N7		47.2		44.6	

2024 2 20

202402023 8

8.4-2

1m		2.20	59
		2.20	48
1m		2.20	57
		2.20	47
1m		2.20	59
		2.20	48
1m		2.20	58
		2.20	48

GB12348-

2008 3 50m

8.5

Ni Co Mn Li

20 Ni Co Mn

DB36/1282-2020

8.5-1 mg/kg

		ΔS	S_b	S	
Ni	1	1.85109×10^{-9}	27	27	900
	5	9.25545×10^{-9}	27	27	
	10	1.85109×10^{-8}	27	27	
	20	3.70218×10^{-8}	27	27	
Co	1	8.22707×10^{-10}	12	12	70
	5	4.11353×10^{-9}	12	12	
	10	8.22707×10^{-9}	12	12	
	20	1.64541×10^{-8}	12	12	
Mn	1	1.13122×10^{-9}	221	221	10000
	5	5.65611×10^{-9}	221	221	
	10	1.13122×10^{-8}	221	221	
	20	2.26244×10^{-8}	221	221	

11 SLD-HJ-23090113Sa

2#

8.5-2

	2#				mg/kg
	0.56	0.22	0.87	0.16	65
	96.2	32.0	136	27.9	800
	ND	ND	ND	ND	5.7
	29	30	52	35	18000
	161	95	292	87	10000
	56	60	268	75	900
	0.173	0.269	0.225	0.294	38
	19.2	24.0	10.7	17.8	60
	10	8	12	13	70
C_{10}-C_{40}	34	37	48	31	4500
					/
	0.04	0.06	0.02	0.16	65
	20.1	25.3	31.3	33.6	800
	ND	ND	ND	ND	5.7
	31	30	30	36	18000
	80	77	81	88	10000
	40	40	50	88	900
	0.269	0.3221	0.182	0.206	38
	18.3	15.1	9.87	10.1	60
	10	14	17	10	70
C_{10}-C_{40}	31	42	33	39	4500
					/

	0.05	0.08	0.04	65
	17.0	21.4	25.2	800
	ND	ND	ND	5.7
	25	41	30	18000
	60	87	84	10000
	31	140	48	900
	0.322	0.256	0.402	38
	32.4	25.7	7.71	60
	14	12	14	70
C_{10}-C_{40}	39	42	36	4500
				/

8.6

365d

COD Ni Co Mn Cu

2023 11 25

10

8.6-1

	pH	2023/11/14	7.6	8.0	7.9	7.6-7.9	6.5-8.5
		2023/11/14	7.8	7.8	7.8	7.8	
		2023/11/14	7.8	7.9	7.8	7.8-7.9	
		2023/11/14	7.5	7.3	7.3	7.3-7.5	
		2023/11/14	6.4	6.4	6.4	6.4	
		2023/11/14	169	158	157	161	450

		2023/11/14	166	167	167	167	
		2023/11/14	171	170	169	170	
		2023/11/14	153	155	151	153	
		2023/11/14	210	209	201	207	1000
		2023/11/14	0.206	0.149	0.163	0.173	
		2023/11/14	0.334	0.263	0.363	0.320	
		2023/11/14	0.206	0.249	0.177	0.211	0.5
		2023/11/14	0.149	0.220	0.206	0.192	
		2023/11/14	0.163	0.149	0.177	0.163	
		2023/11/14	9.94	11.0	14.9	11.9	
		2023/11/14	16.6	15.2	32.9	21.6	
		2023/11/14	14.1	15.5	22.9	17.5	250
		2023/11/14	23.9	25.5	51.2	33.5	
		2023/11/14	16.4	17.6	15.8	16.6	
		2023/11/14	0.788	1.46	1.54	1.26	20
		2023/11/14	1.59	1.60	1.61	1.60	
		2023/11/14	1.57	1.59	1.63	1.60	0.01
		2023/11/14	0.147	0.153	0.131	0.144	
		2023/11/14	12.4	12.5	12.3	12.4	
		2023/11/14	0.016L	0.016L	0.016L	0.016L	1
		2023/11/14	0.016L	0.016L	0.016L	0.016L	
		2023/11/14	0.016L	0.016L	0.016L	0.016L	
		2023/11/14	0.016L	0.016L	0.016L	0.016L	1
		2023/11/14	0.016L	0.016L	0.016L	0.016L	
		2023/11/14	169	164	163	165	
		2023/11/14	172	171	72	172	1000
		2023/11/14	171	172	170	171	
		2023/11/14	160	162	159	160	1
		2023/11/14	229	228	226	228	
		2023/11/14	0.006L	0.006L	0.006L	0.006L	
		2023/11/14	0.006L	0.006L	0.006L	0.006L	1
		2023/11/14	0.006L	0.006L	0.006L	0.006L	
		2023/11/14	0.006L	0.006L	0.006L	0.006L	
		2023/11/14	0.006L	0.006L	0.006L	0.006L	0.001
		2023/11/14	0.158	0.269	0.074	0.167	
		2023/11/14	0.006	0.207	0.013	0.075	
		2023/11/14	0.011	0.358	0.009	0.126	1
		2023/11/14	0.206	0.999	0.166	0.457	
		2023/11/14	0.095	0.013	0.010	0.039	
		2023/11/14	0.00004L	0.00004L	0.00004L	0.00004L	0.001

		2023/11/14	0.00038	0.00033	0.00015	0.00029	
		2023/11/14	0.00004L	0.00004L	0.00004L	0.00004L	
		2023/11/14	0.00008	0.00004L	0.00004L	0.00004L	
		2023/11/14	0.00006	0.00004L	0.00019	0.00008	
		2023/11/14	0.565	0.719	0.602	0.629	1
		2023/11/14	0.703	0.489	0.726	0.639	250
		2023/11/14	0.381	0.384	0.385	0.383	
		2023/11/14	0.346	0.355	0.333	0.345	
		2023/11/14	0.132	0.133	0.128	0.131	
		2023/11/14	36.8	24.1	23.0	28.0	
		2023/11/14	25.7	25.3	28.8	26.6	
		2023/11/14	29.1	29.0	28.9	29.0	0.02
		2023/11/14	42.2	11.6	47.1	33.6	
		2023/11/14	52.0	12.6	55.9	40.2	
		2023/11/14	0.02L	0.02L	0.02L	0.02L	
		2023/11/14	0.02L	0.02L	0.02L	0.02L	
		2023/11/14	0.02L	0.02L	0.02L	0.02L	
		2023/11/14	0.02L	0.02L	0.02L	0.02L	0.05
		2023/11/14	0.02L	0.02L	0.02L	0.02L	
		2023/11/14	0.01L	0.01L	0.01L	0.01L	
		2023/11/14	0.01L	0.01L	0.01L	0.01L	
		2023/11/14	0.01L	0.01L	0.01L	0.01L	
		2023/11/14	0.01L	0.01L	0.01L	0.01L	
		2023/11/14	0.01L	0.01L	0.01L	0.01L	0.3
		2023/11/14	0.013	0.006	0.006	0.008	0.1
		2023/11/14	0.006	0.004L	0.004	0.003	
		2023/11/14	0.010	0.025	0.010	0.015	
		2023/11/14	0.016	0.016	0.014	0.015	
		2023/11/14	0.021	0.040	0.015	0.025	
		2023/11/14	0.05	0.03	0.05	0.04	0.3
		2023/11/14	0.15	0.05	0.04	0.08	
		2023/11/14	0.02	0.87	0.06	0.32	
		2023/11/14	0.02	0.02	0.02L	0.02L	
		2023/11/14	0.04	0.02L	0.02L	0.02L	
		2023/11/14	0.006	0.017	0.020	0.014	0.05
		2023/11/14	0.018	0.033	0.027	0.026	0.01
		2023/11/14	0.015	0.024	0.028	0.022	
		2023/11/14	0.018	0.023	0.021	0.021	
		2023/11/14	0.018	0.018	0.014	0.017	
		2023/11/14	0.0063	0.0034	0.0039	0.0045	

		2023/11/14	0.0040	0.0039	0.0045	0.0041	
		2023/11/14	0.0030	0.0025	0.0026	0.0027	0.05
		2023/11/14	0.0026	0.0020	0.0026	0.0024	
		2023/11/14	0.0052	0.0009	0.0008	0.0023	

9

9.1

9.2

2019 4500 12000t/a

34000t/a

NCM

9.3

CO_2

28546 tCO_2

10

12000t/a

2023 12

GB31573-2015 3 (GB30484-2013)

5 GB13271-

2014

GB31573-2015 1

GB31573-2015 1

GB/T31962-2015 1 B

pH COD SS NH_3-N 1 /

Cl- 1 /

1 / pH

N P

NH_3-N F-

pH COD NH_3-N

10.1

GB 31573-2015 (GB30484-2013)

DB31/933-2015

(GB13271-2014)

100m

10.2

GB 31573-2015 GB/T31962-2015 1 B

4 34000t/a

450 m^3/d “ + + MVR” DW002 4500

755.05m^3/d “ + ” DW003

250 m^3/d “ + +

” DW001 15 m^3/d 12000

“pH + MVR” 12000t/a “pH

+ MVR” DW005 DW001

“ ”

3 1300m^3 1300m^3 800m^3 1 800m^3

10.3

100%

10.4

10.5

800m^3 800m^3

10.6

2024 1 NOx 44.66t/a VOC 2.98t/a COD 49.03t/a NH_3-N 2.92t/a COD 76.31t/a NH_3-N 6.44t/a VOC 2.98t/a SO_2 0.8277t/a NOx74.463t/a

10.7

10.8

1

2

3

5

4

5

( )

7

5

5

[2016]186 2018 1 10

2015 1 1

10.9

HJ 819-2017

HJ 1035—2019

HJ

1034-2019 ( ) HJ 1186—2021

HJ 1138-2020

10.9-1

10.9-1

	1		1 / NOx 1 /	SO_2 NOx	SO_2 NOx	1 /
	2		1 /			1 /
	3		1 /			1 /
	4		1 /			1 /
	5	2	1 /			1 /
	6		1 /			1 /
	7		1 / 1 /			1 /
	8		1 /			1 /
	9		1 / 1 /			1 /
	10	2	1 /			1 /
	11		1 /			1 /
	12		1 /			1 /
	13	1	1 /			1 /
	14		1 / 1 /			1 / 1 /
	15		1 /			1 /
	16		1 /			1 /

	17		1 /			1 /
	18		1 / 1 /			1 /
	19		1 /			1 /
	20		1 / 1 /			1 /
	21		1 /			1 /
	22		1 /			1 /
	23		1 / 1 /			1 /
	24		1 /			1 /
	25		1 /			1 /
	26		1 /			1 /
	1			pH COD NH_3-N	pH COD_{Cr} BOD_5 SS	pH COD_{Cr} BOD_5 1 /
			1 /	BOD TP TN SS		
	2 3 4		1 /		/	1 /
	5				/	/
	/	1	1 /	A	A	/

10.9-2

	1 3	1 /		TSP SO2	1 /
		1 /	pH CODcr BOD5 SS NH3-N Ni Co Mn	pH CODcr BOD5 SS NH3-N Ni Co Mn	1 /
		1 /	A	A	1 /
		1 /	pH K^+ Na^+ Ca^{2+} Mg^{2+} Cl- SO_4^{2-} CO_3^{2-} HCO_3^- ( )	pH	1 /
		1 /	45		1 /
		1 /3			

11

2016 1 25

4500 34000t/a

1500

12000t/a

608 213530m^2

11.1

12000

12000

12000t/a

34000t/a

4500

GB9078 1996

200mg/m^3

GB 31573-

2015 12000

11.2

1

2018~2023

11.7

(1)

(2)

(3)