O

1

2

3

4

5

6

7

1

[2018]212 [2018]276

2

3 4

5 6

7 8

9 10

1

	396				
			/		314000
	30.697593°		120.755769°		

C f

5

2017.6.27 2018.1.1

6

2018.12.29

7 2004.12.29 2005.4.1

2016.11.7

8 44 2017.9.1

9 < >

1 2018.4.28

10 [2018]22

2018 6 27

11 2010 12 22

12

2012 10

13 [2016]150

2016.10.26

14 GB34330-2017 2017.10.1

15

2017 43 2017.10.1

16

[2009]77 2009.10.29

17

[2014]197 2014.12.30

18 2018

364 2018.3.1

19 2013-2017 [2013]59
2013.12.31

20 2016
2016.7.1

21 2017
2018.1.1

22 2017
2017.9.30

23
[2018]35 2018 10 8

24
2012.1.1

25
2013 110

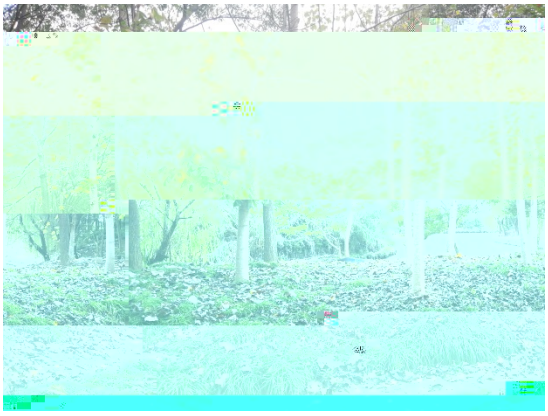
26
[2017]113 2017.4.17

27

1.3

58.80

1-1



1-1

1.4

42505.69 58.80 20 m^3/d

20 m^3/d

15 m^3/d +

+ + + + +

1.5

GB5749-2006 1-2

1-2

1			5	
2				0~1
3		NTU	0.1	/
4		mg/L	0.2	/
5		mg/L	0.05	/
6		mg/L	0.1	/
7	pH	/	7.0~8.5	/
8	COD_{Mn} O_2	mg/L	2.0	>6.0 <3.0
9		CFU/mL	30	/
10		mg/L	0.030	/
11		mg/L	0.080	<0.8
12		mg/L	0.005	
13		mg/L	0.3	
14		mg/L	4.0	/
15	N	mg/L	0.1	/
16		mg/L	0.2	10
GB5749-2006				

0.36MPa

25%

1.6

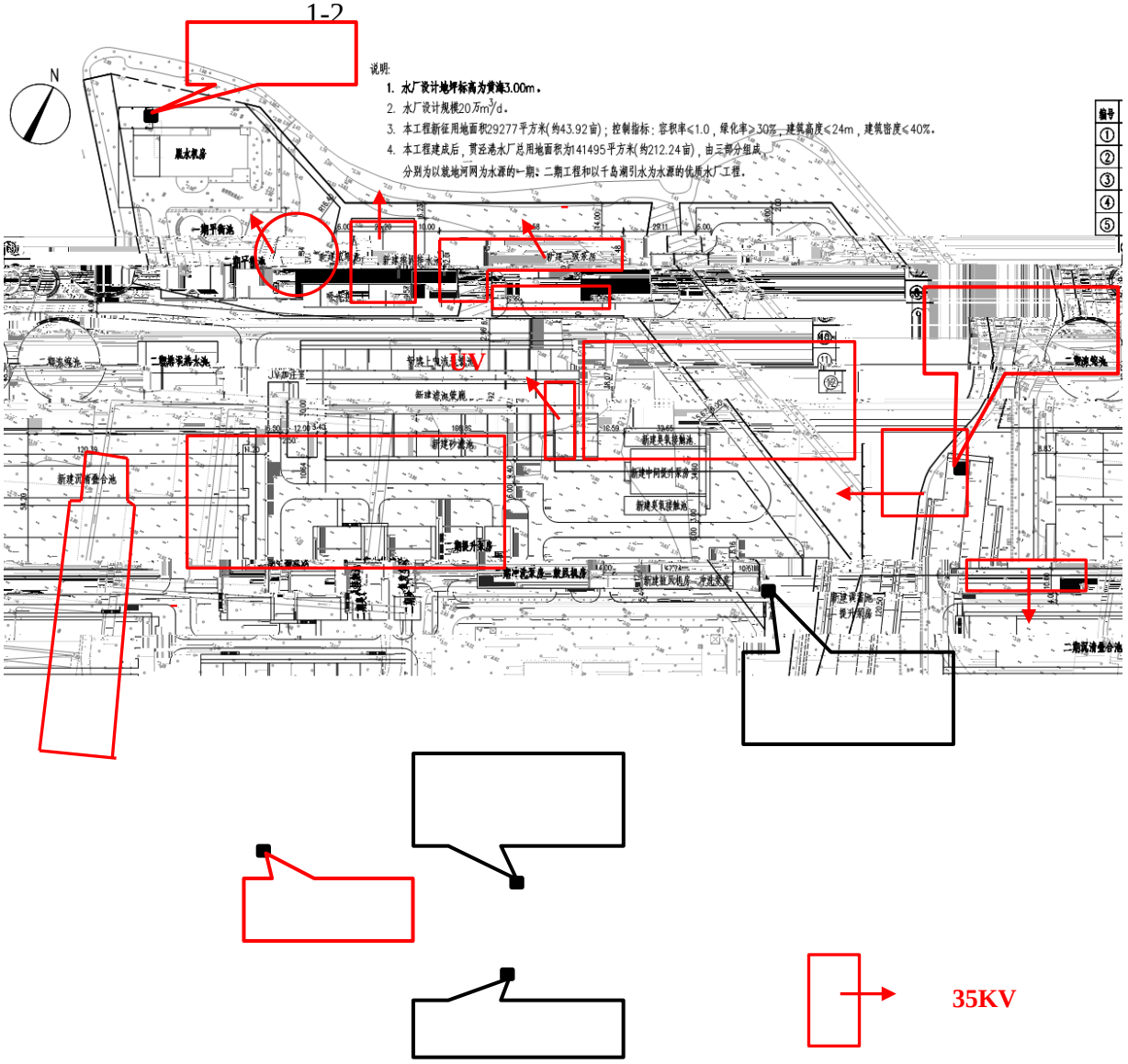
58.8

1 2

1 1 2 1

1 UV

1-2



1-2

1.7

1 2 1

2 1 1 1 UV 1

1 1 1 35kV

1

1 30m

120.5m 2 1 5 18780m^3

6 2920m^3/h

9.7m 132kW

2 10 m^3/d 54.2m 120.39m

13150m^3 1

30s

20min 13.95m/s 110min

240m^3/m/d

1 12

1 20 m^3/d 32.65m 18m 2

6 2920m^3/h 7.5m 110kW

2 10 m^3/d 32.65m 16.6m 8m

6min 18min

1 20 m^3/d 108.89m 47.92m

12

20s DN200

8.3m×8.6m 71.38m^2 10.2m/h 14.7min

30×50 2.5m 2.0~16.0mm 0.45m

V 8.6m 16.5m 115.5m^2
6.3m/h D=0.85mm 1.4 1.2m
D=2.0~4.0mm 0.10m

2 47.74m
12.24m 6360m^3/h 4.5m 132kW 2
3930m^3/h 6.5m 110kW 3
2 1 2 985m^3/h 10m 37kW
UV 30m 12m UV 1
DN1600 UV

2
10 m^3/d 73.58m 32.05m 3
1 2 4200m^3/h 24m 400kW 2100m^3/h
24m 200kW 4 2 1 1
1 5920m^3/h 42m 900kW 1
2960m^3/h 42m 450kW 3 1 DN400
DN1200

32m 25.20m 2000m^3 2 2
4 4 2 2 250m^3/h
19m 30kW
1 30m 1
35KV 1 35KV 36m 20m

2

6 1# 2# 4# 2 1 1 4200m^3/h
13.5m 220kW 3# 5# 6# 2 1 1
1 6# 1 3# 5# 4600m^3/h 11m
220kW 6# 2300m^3/h 11m 110kW 4# 6#
3# 5# 1# 2# 1
3# 4# 5# 6# 3 1 3

1 20 m^3/d
1 30m^3 10mg/L 1%
3 2 1 4.5m^3/h
20~30mg/L
3~6% 3 2 1 4m^3/h
1 15 m^3/d 3 1

Al_2O_3 10% 25mg/L
2 3.2m 40m^3 1
2 3 2 1
260~2200L/h 2 3
2 1 5~7mg/L
1 2 1 1 3 4
3 1 550L/h
2 1 1
2mg/L 0.8% 2 20kg/h
6 30m^3 PE 5
2 2 1 7

5 2 260~2200L/h 1 20kg/h

7 5 2

5

0.5~1.0mg/L 2

1.0~1.5mg/L 0.5~1.0mg/L

0.5~1.0mg/L 0.5%

4 2 2 260~2200L/h

1

2~3mg/L 2 15kg/h

2 19kg/h 2~3mg/L

4 1000kgTDS/h 2

60m^3 2 50m^3/h

2 50m^3/h 2 PAM

4 3

2

1.8

1-3

1-4

1		15 m^3/d 50%	[2005] 002	
2		15 m^3/d 30 m^3/d	[2010] 216	

1.10.1.2

1-5

1-5

			2018.1.30~1.31
1 2		15 m^3/d	11.30 m^3/d

1.10.1.4

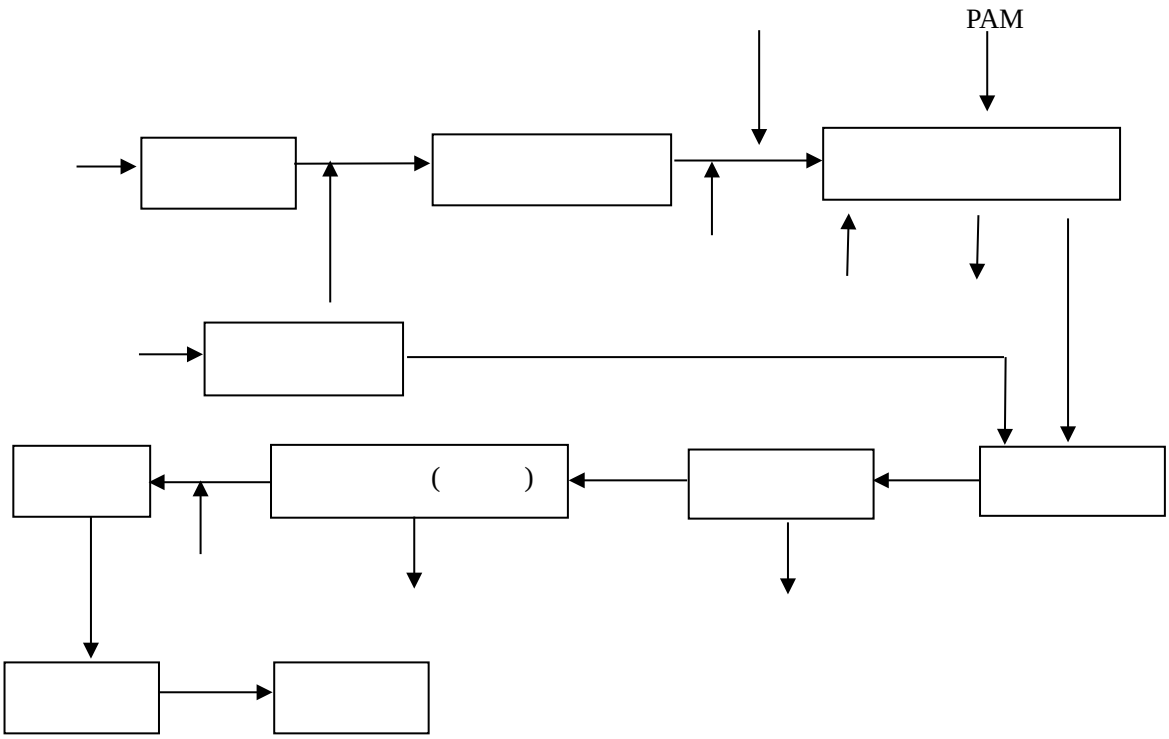
1-7

1-7

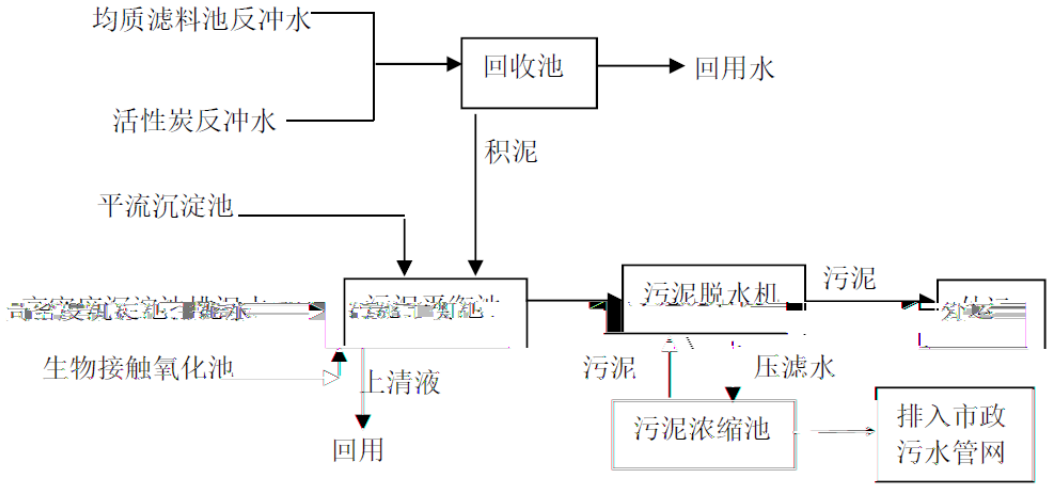
			30 m^3/d 1 3 3280~3600m^3/h 9.3~15m	45 m^3/d 1 3 3280~3600m^3/h 9.3~15m
			15 m^3/d 1 55.8×24.9m	
			7.5 m^3/d 2	
			15 m^3/d 1 8 49.5×40.8m	15 m^3/d 1 9 49.5×40.8m
			45 m^3/d 1 3 4	3 4
			45 m^3/d 1 3	
			45 m^3/d 1	45 m^3/d 1 4 2 2
			15 m^3/d 1 4 2200m^3/h 3.5m	
			15 m^3/d 1 3	
			15 m^3/d 1 6 50.5×30.7m	15 m^3/d 1 9 50. ×30.7m
			22500m^3 1 2 99.0×58.0m	
			30 m^3/d 1 3 3900m^3/h 41m	45 m^3/d 1 3 3900 m^3/h 41m
			45 m^3/d 1 2 25.0×12.0m	
			15 m^3/d 1 13.4×9.2m	
			45 m^3/d 1 3 22500m^3	

1-7

			15 m^3/d 1 3 3280~3600m^3/h 9.3~15m	
			15 m^3/d 1 55.8×24.9m	15 m^3/d 8 37.48m×25m
			15 m^3/d 1	15 m^3/d
			15 m^3/d 1 2	
		-	-	15 m^3/d 8 37.48m×25m
			15 m^3/d 1 3	
			15 m^3/d 1 9 50.5×30.7m	
			15 m^3/d 1 9 49.5×40.8m	
			15 m^3/d 1 3 2	
			8500m^3 1400m^3 1	
			15 m^3/d 1 3	
			15 m^3/d 1 3 3900m^3/h 41m	
			15 m^3/d 1 2 25.0×12.0m	
			15 m^3/d 1 13.4×9.2m	
			15 m^3/d 1 3 22500m^3	



1-4



1-5

φ10cm 45min

20m/h~40m/h

3

PAM

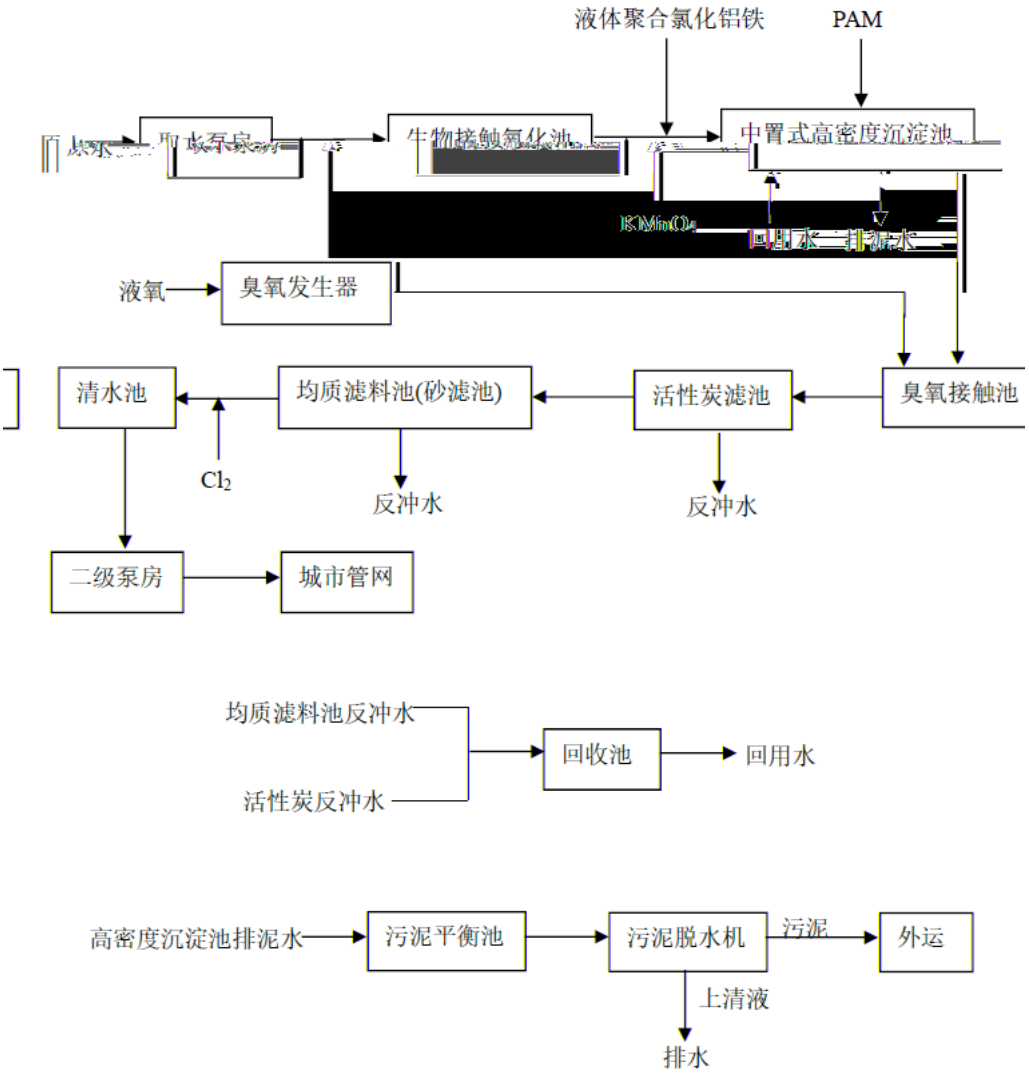
12min 12m/h 2m

1.2m 7.5m/h

NaClO

1-6 1-7

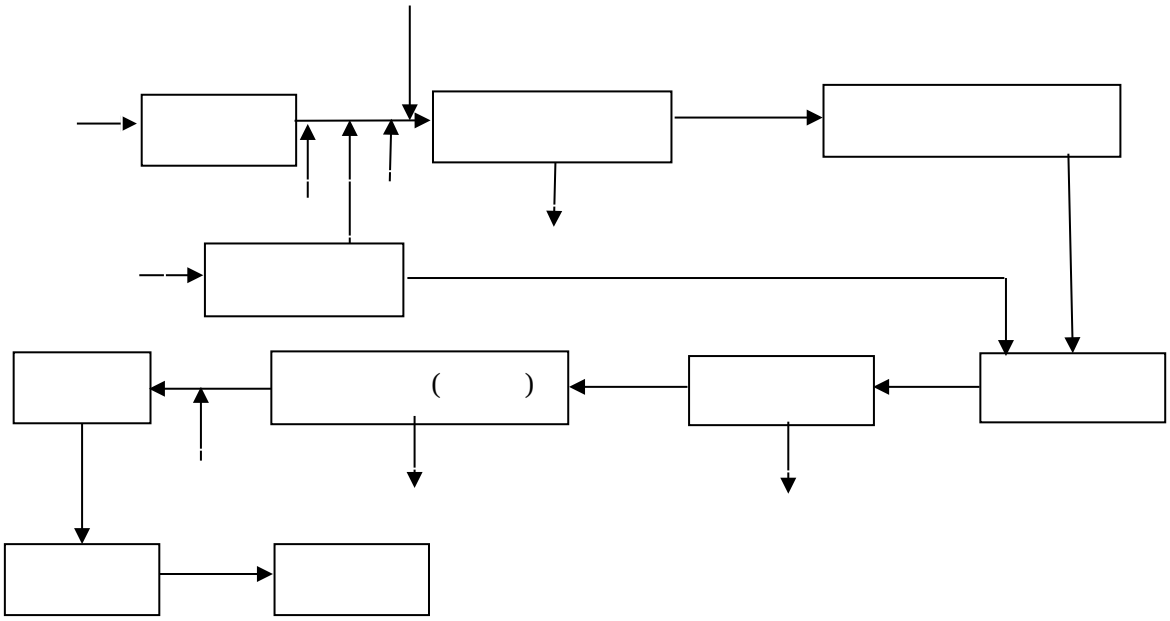
1-8


液体聚合氯化铝铁
PAM
中置式高密度沉淀池
液氧
臭氧发生器
清水池
均质滤料池(砂滤池)
活性炭滤池
臭氧接触池
Cl_2
反冲水
反冲水
二级泵房
城市管网

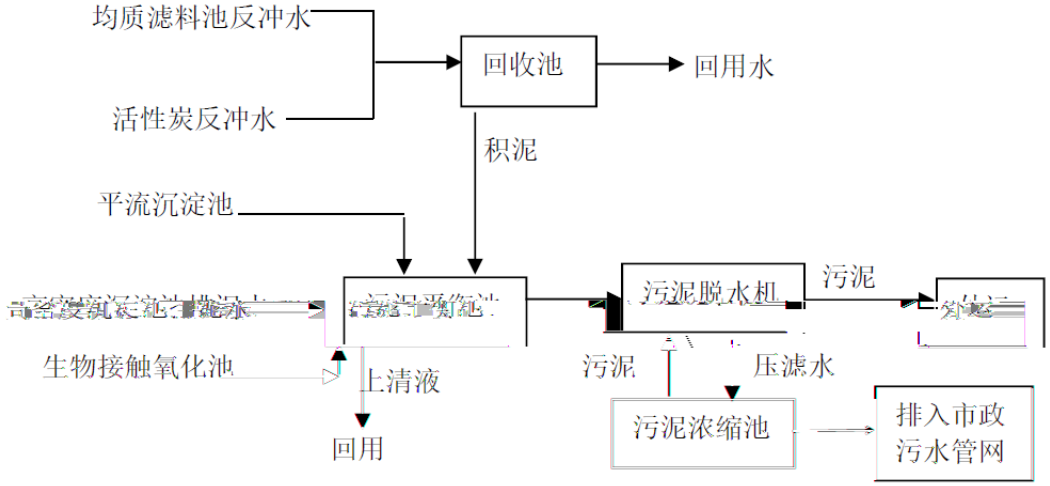
均质滤料池反冲水
活性炭反冲水
回收池
回用水

高密度沉淀池排泥水
污泥平衡池
污泥脱水机
污泥
外运
上清液
排水

1-6



1-7



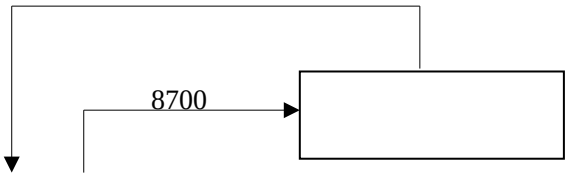
1-8

12min 12m/h 2m

1.2m 7.5m/h

t/d

1-9



t/d

1-10

29.2 t/a 800t/d

739.417 t/a 20258t/d 3504t/a 9.6t/d

SS

2018

Z016

2018 Z017 1-8

1-8 pH mg/L

		pH	SS	COD
2018.1.30		8.05	6	39
		8.04	8	37
		8.07	6	36
		8.06	<4	46
	-	8.04-8.07	6	40
2018.1.31		8.08	<4	32
		8.06	<4	33
		8.05	8	35
		8.04	10	41
	-	8.04-8.08	6	35
		6-9	400	500

pH 8.04 8.08

COD 40 mg/L 1.34 mg/L SS 6mg/L

(GB8978-1996)

$NaCl+H_2O \longrightarrow NaClO+ H_2\uparrow$

1.6kg/(1000t) 2017 7639.8

t 122t 3.29t/a

6m

0.01%

812.68t/a 0.081t/a

0.005%

812.68t/a 0.041t/a 10

0.122t/a

O_3

0.2ppm

O_3

O_2

2018

Z016

2018 Z017 1-9

1-9

			mg/m^3	
			2018.1.30	2018.1.31
1#		1	0.082	0.079
		2	0.069	0.071
		3	0.097	0.102
		4	0.053	0.077
2#		1	0.079	0.089
		2	0.084	0.077
		3	0.081	0.088
		4	0.117	0.095
3#		1	0.087	0.072
		2	0.078	0.083
		3	0.098	0.102
		4	0.138	0.096
4#		1	0.065	0.090
		2	0.072	0.080
		3	0.086	0.096
		4	0.090	0.076
			0.300	

0.138mg/m^3

1 GBZ2.1-2007

94.8dB 92.1dB

80dB

2018

Z016

2018 Z017 1-10

1-10

		2018.1.30		2018.1.31	
1#		50.2	47.2	50.5	47.7
2#		49.8	46.1	50.2	46.4
3#		48.9	47.2	50.1	48.2
4#		51.2	48.6	50.9	47.4
5#		48.2	46.5	48.5	46.7
6#		48.4	47.2	48.2	47.5
7#		49.2	46.9	48.7	47.8
8#		49.7	47.9	49.5	48.4
		65	55	65	55

GB12348-2008 3

1-11

1-11

						t/a
1					/	12000.0
2					/	0.8
3					900-047-49	0.15
4					900-249-08	0.24
5					900-041-49	0.1
6					/	6.0

2018 11

GB/T 23485-2009

GB/T 23486-2009

1-12

1-12 t/a

			29.2
		COD_{Cr}	14.60
		SS	2.92
			0
		COD_{Cr}	0
		SS	0
			3504
		COD_{Cr}	0.175
		NH_3-N	0.017
			29.5504
		COD_{Cr}	14.775
		NH_3-N	1.478
		SS	2.955
			3.29
			0.122
			0
			0
			0
			0
			0
			0

1.10.2

1

2

1

3

2.1.3

15.9 1185.2mm 2.62m/s

E - SE NW

3~8 11~12

5

15.9

1185.2mm

2.62m/s

E

NW

3.11m/s

4.13%

2.1.4

“ ”

13802.31km 268.93km^2

57 9590.1km^2 80 42.22km^2

311.15km^2 7.89% 3.5km/km^2

60m

2.1.5

48.2% 42.8% 7.4% pH 6~7.5 4% 200ppm 10ppm 85ppm

14.5%

80

2.1.6

2-1 0400- -5-2

	13.71		
	1900	**1.**	
		2.	1
			2
			3
0400- -5-2			4
	11.89%	**3.**	

2-2

1

0400- -5-2

2.3

60 m^3/d 19.07 2012

2011-2015

2015 71991

GB18918-2002 A

4 2

4 m^3/d 2 1 15 m^3/d

A/A/O 11 m^3/d MBR

2018

2-3

2-3 2018 pH mg/L

	pH	COD_{Cr}	NH_3-N		pH	COD_{Cr}	NH_3-N
2018.1.1	7.07	41.48	0.15	2018.4.1	7.43	36.45	0.66
2018.2.1	7.06	39.27	0.20	2018.5.1	7.31	35.92	0.38
2018.3.1	7.62	31.62	0.71	2018.6.1	7.94	39.20	0.27
	6~9	50	5		6~9	50	5

GB18918-2002 A

4

2.4

89 201 1989.7.10

16

2012.1.1

25

5 2004 1 1

GB8978-1996

2.5

2014 9

2000

500

200

5.2.2.2 1000

1000 100 600

700

750

1900

3000 900

4.67

9.04 62.28 10.51

7

(

)

3.1

2015) (GB3838-2002)

1.9km 5

pH COD_{Cr} DO BOD_5

2016 12 1

3-1

3-1 pH mg/L

		pH	DO	COD_{Mn}	BOD_5	NH_3-N		TP	COD_{Cr}
	2016	7.04~7.71	5.97	5.26	4.58	1.23	0.04	0.20	19.43
		6~9	≥5	≤6	≤4	≤1.0	≤0.05	≤0.2	≤20

3.2

1 2017

2017 $PM_{2.5}$

O_3 PM_{10} NO_2 9.3%

18.9% 2.5% 1.6% O_3 $PM_{2.5}$ 42 g/m^3

4.5% 365 65 200

72.6% 1.7

2 2017

2017

3-3

3-3 2017

		($\mu g/m^3$)	($\mu g/m^3$)	(%)		(%)	
SO_2		11	60	18.3	/	0	
	(98%)	25	150	16.7	/		
NO_2		37	40	92.5	/	1.6	
	(98%)	77	80	96.3	/		
PM_{10}		67	70	95.7	/	2.5	
	(95%)	122	150	81.3	/		
$PM_{2.5}$		42	35	120	0.2	9.3	
	(95%)	82	75	109	0.09		
CO	(95%)	1.3mg/m^3	4mg/m^3	32.5	/	0	
O_3	(90%) 8h	182	160	113.8	0.14	18.9	

2017

$PM_{2.5}$ O_3

2017

“ ” “ ” “

” $PM_{2.5}$

4.5% 72.6%

167 7

36 2023

90

3.2.2

1

HJ2.2-2018 6.2.1.3

2017 1 1 12 31 SO_2 NO_2 PM_{10}

CO 3-4

3-4

	/m*				(g/m^3)	(g/m^3)	(%)	(%)	
	X	Y							
	120.729790	30.745672	SO_2		60	11	18.3	0	
			NO_2		40	39	97.5	0	
			PM_{10}		70	65	92.9	0	
			CO		4000	900	22.5	0	
*									

SO_2 NO_2 CO PM_{10}

GB3095-2012 2018 29

3.3

5 3-4

3-4 dB A

1	1#	50.3	65	0	47.4	55	0
2	1#	50.0	65	0	46.2	55	0
3	2#	49.5	65	0	47.7	55	0
4	2#	51.0	65	0	48.0	55	0
5	3#	48.3	65	0	46.6	55	0
6	3#	48.3	65	0	47.3	55	0
7	4#	48.9	65	0	47.3	55	0

3-5

	/m						
	X	Y					/m
	120.752319	30.698702				N	
	120.753606	30.694282				S	
	120.754797	30.700472				N	
	120.736140	30.702350				W	900m
	120.771073	30.695805				E	750m
	120.755999	30.695612					
	120.753123	30.688338	1000			SW	750m
	120.729724	30.692388	900			W	2100m
	120.749401	30.710563	600			N	1300m
	120.748102	30.715273	1300			N	1700m
	120.747909	30.719070	700			N	2300m
	120.752684	30.710670	1800	(GB3095-2012)		N	1200m
	120.773004	30.716506	2000	2018 29		NE	2400m
	120.773551	30.713974	1500			NE	2300m
	120.771963	30.709865	3000			NE	1700m
	120.776105	30.708717	1200			NE	2200m
	120.777725	30.706014	1000			NE	2100m
	120.778787	30.704190	800			NE	2100m
	/	/	200m	GB3096-2008 3	/	/	/

*

4.1

1400m

650m 500m

10 GB3838-2002

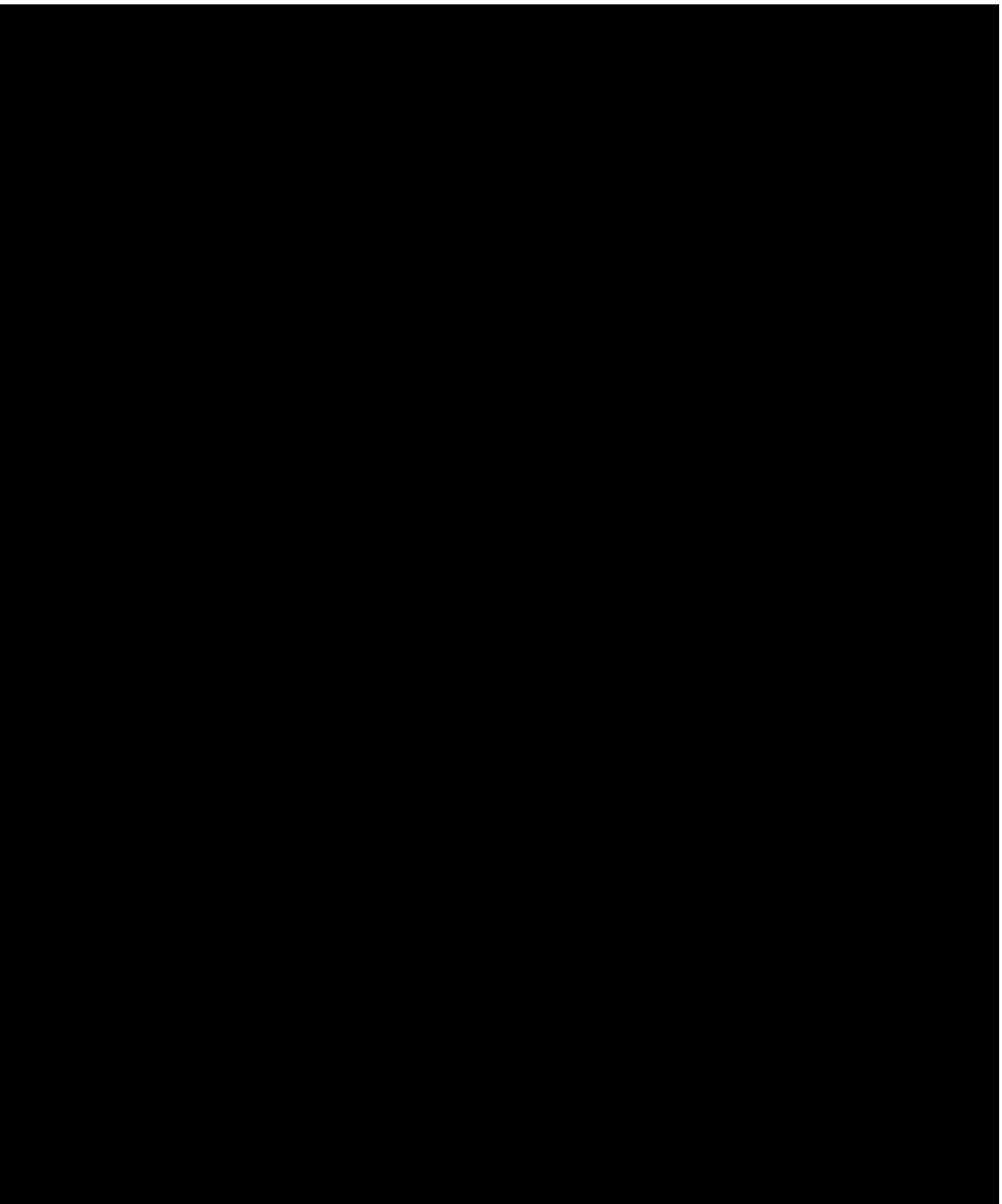
8000m 1500m

2000m GB3838-2002

GB3838-2002

GB3838-2002 4-1 4-2

4-1 GB3838-2002 mg/L



4-3

3	
	15
NTU-	1 3
pH pH	6.5 8.5
mg/L	0.2
mg/L	0.3
mg/L	0.1
mg/L	1.0
mg/L	1.0
mg/L	25
mg/L	250
mg/L	1000
($CaCO_3$ mg/L	450
COD_{Mn} O_2 mg/L	3 6mg/L 5
mg/L	0.002
mg/L	0.3
4	
α Bq/L	0.5
β Bq/L	1
MPN CFU	

4-4

,mg/L	30min	4	≥0.3	≥0.05
mg/L	120min	3	≥0.5	≥0.05
O_3 mg/L	12min	0.3	/	0.02 ≥0.05
ClO_2 mg/L	30m n	0.8	≥0.1	≥0.02

4-8 pH mg/L

1	pH	6~9	4	COD_{Cr}	500
2	SS	400	5	NH_3-N	35*
3	BOD_5	300			

*

4-9 A pH mg/L

	pH	SS	COD_{Cr}	BOD_5	*	TP	
A	6~9	10	50	10	5 8	1	1

* **>12** **12**

4.6

GB12523-2011

4-10

4-10 dB A

70	55

GB12348-2008 3 4-11

4-11 dB A

3	65	55

4.7

2016 GB 18599-2001

2013 36

GB18597-2001 2013 36

1

[2012]10

COD_{Cr} NH_3-N

2

COD_{Cr} NH_3-N 2010

COD_{Cr}98.88t/a 988800t/a

COD_{Cr}≤50mgL

COD_{Cr}49.44t/a NH_3-N 4.944t/a

29.5504 t/a 20.5824 t/a

50.1328 t/a

GB18918-2002 1

A COD_{Cr}≤50mgL NH_3-N≤50mg/L COD_{Cr}

25.066t/a NH_3-N 2.507t/a

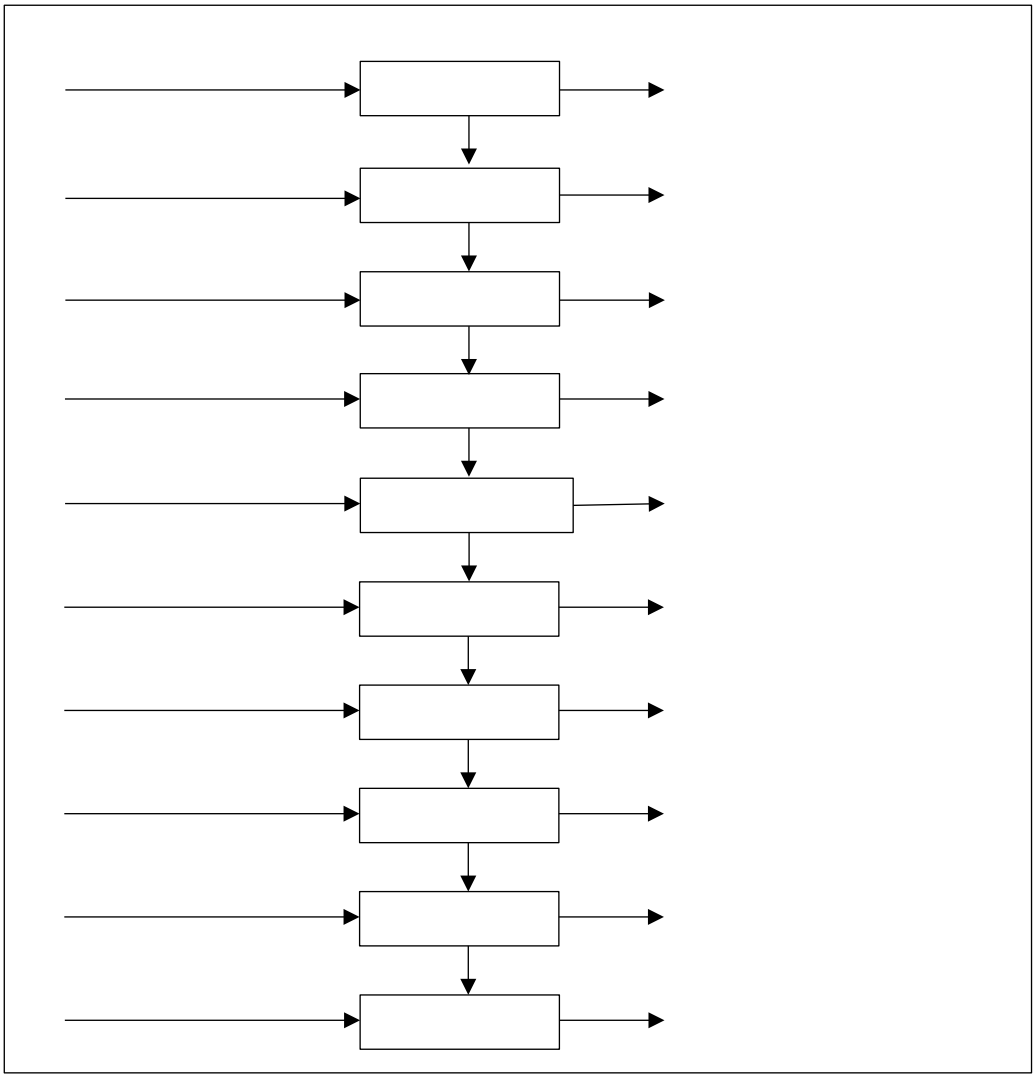
COD_{Cr}49.44t/a

NH_3-N 4.944t/a

5.1

5.1.1

5-1



5-1

5.1.2

5.1.2.1

0.3~0.7mg/m^3

CO NO_X

HC 5-1

30.19L/100km 5-1

815.13g/100km 1340.44g/100km 134.0g/100km

5-1

	g/L	g/L	
CO	169.0	27.0	8.4
NO_X	21.1	44.4	9.0
HC	33.1	4.44	6.0

5.1.2.2

1.0

/ m^2 58.80 39200 m^2

39200 120L/d

4704m^3 90%

4234m^3 COD_{Cr} 320mg/L COD_{Cr} 1.355t NH_3-N 35mg/L NH_3-N

0.148t

SS

5.1.2.3

5-2

5-3

5-2

			dB A
			84~89
			80~85
			75~80

5-3

		dB A			dB A
		78~96			100~105
		95			100~105
		75~85			100~105
		95~105			105
		90~105			90~100
		85			100~110
		90~100			100~115
		100~105		/	/
		100~105		/	/
		90~95		/	/
		75~85		/	/

3~8dB A

10dB A

5.1.2.4

1kg/m^2 39200m^2 39.2t

1.0kg/p.d 50

630 31.5t 70.7t

5.2

5.2.1

2017 5-4

5-4 2017

1			22.5	12.9	16.5	33	7	19
2			5	<5	<5	35	18	28
3		NTU	3.98	0.26	0.70	62.5	9.8	26.2
4			0	0	0	2	2	2
5		/						
6	pH	/	7.88	7.04	7.47	7.95	7.25	7.54
7		mg/L	46	38	42.2	134.5	90.1	107.8
8		mg/L	1.47	0.77	1.08	6.16	3.68	4.83
9		mg/L	0.04	<0.02	<0.02	1.52	0.05	0.4
10		mg/L	0.008	<0.001	0.003	0.235	0.002	0.076
11		mg/L	6.5	4	5.11	60.0	30.0	44.3
12		mg/L	<0.05	<0.05	<0.05	2.51	0.49	1.10
13		mg/L	<0.05	<0.05	<0.05	0.46	0.07	0.21
14		CFU/mL	76	2	23	2060	210	644
15		MPN/100mL	49		6	>1600	140	>1600
16		MPN/100mL	34			790	20	196

5-4

5-2

5-4

5-4

		COD_{Cr} SS
		COD_{Cr} SS
		COD_{Cr} NH_3-N
		L_{Aeq}

5.2.2

5.2.2.1

1 2740t 1000100t

660t 12 36h 5280t

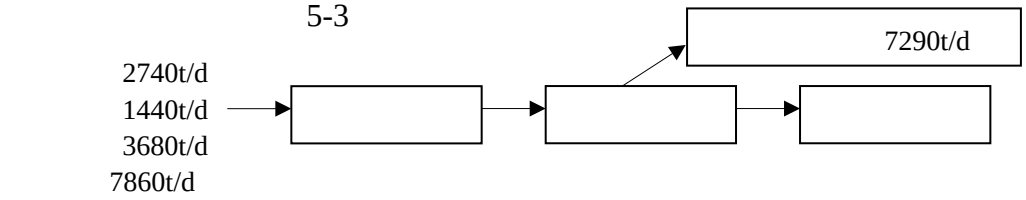
1927200t/a 1600t/d 3680t/d

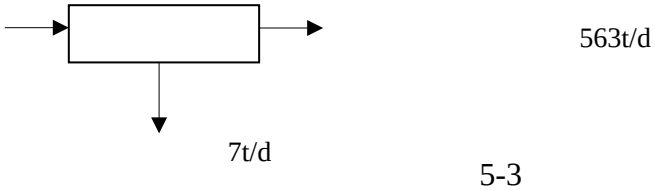
1343200t/a 1868800t/a

COD_{Cr} 19.2mg/L SS5mg/L COD_{Cr} SS 35.88t/a 9.34t/a

563t/d 205495t/a

5-3





5-3

20 50L/ ·d 365d

1m^3/d 365m^3/a 90% 0.9m^3/d

329m^3/a COD_{Cr} 320mg/L COD_{Cr} 0.105t/a NH_3-N 35mg/L

NH_3-N 0.012t/a

GB18918-2002 1 A

5-5

5-5

			mg/L	t/a	mg/L	t/a
		1000100	/		/	
	COD_{Cr}	554.46	500	205495	50	205495
	SS	9000.90	400	COD_{Cr} 102.748	10	COD_{Cr} 10.275
		1868800	/	SS 82.198	/	SS 2.055
	COD_{Cr}	35.88	500		50	
	SS	9.34	400		10	
		329	/	329	/	329
	COD_{Cr}	0.105	500	0.164	50	0.016
	NH_3-N	0.012	35	0.011	5	0.002
		2869229	/	205824	/	205824
	COD_{Cr}	590.445	500	102.912	50	10.291
	NH_3-N	0.012	35	7.204	5	1.029
	SS	9010.24	400	82.330	10	2.058

5.2.2.2

$NaCl+H_2O \longrightarrow NaClO+ H_2\uparrow$

146t 3.9t/a

0.005%

219t/a 0.011t/a

O_2

5.2.2.3

1.2m 75-95dB

5-6

5-6

		dB A	
1		90-95	1m 1.2m
2		85-95	1m 1.2m
3		85-95	1m 1.2m
4		85-95	1m 1.2m
5		75-85	1m 1.2m

5.2.2.4

2555t/a

4

1642.5t 4

0.1t/a

1.0t/a

0.12t/a

0.05t/a

1.0kg/ ·d 20

365d 7.3t/a

5-7

5-7 t/a

1					2555
2					1642.5
3					0.1
4					1.0
5					0.12
6					0.05
7					7.3

GB34330-2017

5-8

5-8

1					4.3e
2					4.3e
3					4.1c
4					4.3e
5					4.1c
6					4.1c
7					4.1h

2016

5-9

5-9

1				/
2				/
3				900-047-49
4				900-023-29
5				900-249-08
6				900-041-49
7				/

5-10

5-11

5-10 t/a

1							2555
2						/	1642.5
3							7.3
4						900-047-49	0.1
5						900-023-29	1.0
6						900-249-08	0.12
7						900-041-49	0.05

5-11 t/a

1		900-047-49	0.1						T/C/I/R	
2		900-023-29	1.0						T	
3		900-249-08	0.12						T I	
4		900-041-49	0.05						T In	

5.2.2.5 “ ”

HJ884-2018

1

5-12 /

/														
					(m^3/h)	(mg/L)	(kg/h)		%		(m^3/h)	(mg/L)	(kg/h)	h
	/		COD_{Cr}		114.17	554.4	63.29		92.8%		23.46	COD_{Cr} 500 NH_3-N 400	COD_{Cr} 11.73 NH_3-N 9.38	8760
			SS			9000	1027.5							
			COD_{Cr}		213.33	19.2	4.10							
			SS			5	1.07							
			COD_{Cr}		0.038	320	0.012		/		0.038	500	0.019	8760
			NH_3-N			35	0.001					35	0.001	

5-13

		(m^3/h)	(mg/L)	(kg/h)		/%		(m^3/h)	(mg/L)	(kg/h)	h
	COD_{Cr}	23.498	500	11.75	+	/		23.498	50	1.175	8760
	NH_3-N		35	0.82					5	0.12	
	SS		400	9.40					10	0.23	

2

5-14

/														
					(m^3/h)	(mg/L)	(kg/h)		%		(m^3/h)	(mg/L)	(kg/h)	h
			H_2		/	/	0.45	/	/	/	/	/	0.45	8760
					/	/	0.001	/	/	/	/	/	0.001	8760
				/				/	/	/	/	/	/	8760

3

5-15

/			( )							h
					90~95		/		87~92	8760
					85~95		/		82~92	8760
					85~95		/		82~92	8760
					85~95		/		82~92	8760
					75~85		/		72~82	8760

1 2 A (L_{Aw}) 63~8000Hz8

(L_w) r A [$L_{A(r)}$] 63~8000Hz8 [$L_{p(r)}$]

4

5-16

/								
					/(t/a)		/(t/a)	
					2555		2555	
					1642.5		1642.5	
	/				0.1		0.1	
	/				1.0		1.0	
	/				0.12		0.12	
	/				0.05		0.05	
	/				7.3		7.3	

5.2.2.6

5-17

5-17 t/a

		295504	205824	/	501328	+205824
	COD_{Cr}	14.775 (49.440)	10.291	34.665	25.066	+10.291
	NH_3-N	1.478 (4.944)	1.029	3.466	2.507	+1.029
	SS	2.955	2.058	/	5.013	+2.058
		3.29	3.9	/	7.19	+3.9
		0.122	0.011	/	0.133	+0.011
		/		/		/
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0

			1000100t/a	205824t/a COD_{Cr} 50mg/L 10.291t/a NH_3-N 5mg/L 1.029t/a SS 10mg/L 2.058t/a
		COD_{Cr}	554.46t/a	
		SS	9000.90t/a	
			1868800t/a	
		COD_{Cr}	35.88t/a	
		SS	9.34t/a	
			329t/a	
		COD_{Cr}	0.105t/a	
		NH_3-N	0.012t/a	
			3.9t/a	3.9t/a
			0.011t/a	0.011t/a
			3700t/a	0
			1642.5t/a	0
			0.1t/a	0
			1.0t/a	0
			0.12t/a	0
			0.05t/a	0
			7.3t/a	0
	75~95dB			

7.1

7.1.1

1

2.56m/s

TSP 2 2.5 150m

TSP 0.49 mg/Nm^3

1.6 200m

750m

2

5

2

2.56m/s NO_X

CO HC 5.4 6 NO_X CO HC

100m NO_X CO HC 0.216mg/Nm^3 10.03mg/Nm^3

1.05mg/Nm^3 NO_X CO 2.2 2.5

NO_X CO

7.1.2

4234m^3

SS 1000~3000 mg/L

( )

50

200m

7.1.3

A 7-1

15

7-1

	dB A		dB A
	78-96		80-93
	82-98		85-94
	85-90		75-88
	75-88		87-90

(GB

12523-2011) 120m

200m

750m

2m

7.1.6

7.1.7

6~9

7.2

7.2.1

0.122t/a 0.014kg/h

0.011t/a 0.001kg/h

O_2

HJ2.2-2008 2008.12.31 2009.04.01

EIAProA2008 Ver1.1.140

7-2

7-2

		kg/h	mg/m^3	
		0.007	0.16	25m×18m =520m^2
		0.007		25m×18m =520m^2
		0.001		33m×16m =528m^2

7-3

7-3

			0
			0
			0

7.2.2

403289t/a

GB18918-2002

1 A COD_{Cr} 20.164t/a NH_3-N 2.016t/a

SS 4.033t/a

30 m^3/d 2003 4

30 m^3/d 15 m^3 2010 4 15

m^3 2011 60 m^3/d

GB8978-1996

1105t/d

60 m^3/d

7.2.3

75~95dB

1

$Lp = Lw - \Sigma Ai$

Lp

Lw ΣAi

Ai i

$Lw=L_{pi}+10lg\ 2S$

L_{pi} dB

7-4

		584	342	918	915
		90	85	85	

7.2.4

1

7-7

7-8

7-7

1		900-047-49	0.1						T/C/I/R	
2		900-023-29	1.0						T	
3		900-249-08	0.12						T I	
4		900-041-49	0.05						T In	

7-8

1			HW49	900-047-49		3m^2		150L	
2			HW23	900-023-29		3m^2		150L	
3			HW08	900-249-08		2m^2		150L	
4			HW49	900-041-49		2m^2		150L	

2016

GB18597-2001

1

2

2018 11

GB/T 23485-2009

GB/T 23486-2009

7.3

1

2

3

7.4

20 m^3/d

1

2

3

7.5

		COD_{Cr} SS		GB18918-2002 1 A
		COD_{Cr} SS		
		COD_{Cr} NH_3-N		
				GB3095-2012
			O_2	

8.1

8.1.1

1

2 2

3 4

40km/h 5

6

5m 7

8.1.2

1

2

3

50m

4

5

6

200m

8.1.3

1

8.1.4

1

2

8.1.5

1

2

3

8.2

8.2.1

O_2

8.2.2

GB18918-2002 1 A

8.2.3

8.2.4

900-047-49 900-023-29

900-249-08 900-041-49

GB18597-2001 2013 36

GB597-2001

2013 36

8.2.5

8.3

42505.69 700 1.65%

8-1

8-1

			25
			13
			65
			50
			2
			2
			13
			65
			40
		1	40
			13
			13
			5
	-		260
			700

9.1

9.1.1

0400- -5-2

9.1.2

9.1.3

[2009]77

COD_{Cr} 25.066t/a NH_3-N 2.507t/a

COD_{Cr}49.44t/a NH_3-N 4.944t/a

9.1.4

0400- -5-2

GB3838-2002

GB3095—2012

2018 29

9.3

9.3.1

750m

9.3.2

2011 36 2016 3 25 2012 2010

9.3.3

10.1

10.1.1

55 m^3/d

2017

2.3 m^3 6156 m^3

2

15 m^3 2005 1

15 m^3/d 2010 11 11.30 t/d

11.30 t/d 75%

20 m^3/d

10.1.2

1 pH DO COD_{Mn} COD_{Cr}

BOD_5 NH_3-N TP 2018 1

-11 pH DO COD_{Mn} NH_3-N

2 2017

$PM_{2.5}$ O_3

SO_2 NO_2 CO PM_{10} (GB3095-2012)

2018 29

3

GB3096-2008 3

4

10.1.3

10-1

10-1 t/a

			1000100	2663405 COD_{Cr} 580.065 SS 9008.185	205495 COD_{Cr} 10.275 SS 2.055
		COD_{Cr}	554.46		
		SS	9000.90		
			1868800		
		COD_{Cr}	35.88		
		SS	9.34		
			329	0	329
		COD_{Cr}	0.105	0.089	0.016
		NH_3-N	0.012	0.010	0.002
			2869229	2663405	205824
		COD_{Cr}	590.445	580.154	10.291
		NH_3-N	0.012	/	1.029
		SS	9010.24	9008.182	2.058
			3.9	0	3.9
			0.011	0	0.011
				/	
			3700	3700	0
			1642.5	1642.5	0
			0.1	0.1	0
			1.0	1.0	0
			0.12	0.12	0

10-2 t/a

		295504	205824	/	501328	+205824
	COD_{Cr}	14.775 (49.440)	10.291	34.665	25.066	+10.291
	NH_3-N	1.478 (4.944)	1.029	3.466	2.507	+1.029
	SS	2.955	2.058	/	5.013	+2.058
		3.29	3.9	/	7.19	+3.9
		0.122	0.011	/	0.133	+0.011
		/		/		/
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0

10.1.4

1

200m

10.1.5

1

200m

2

10-3

10-3

		GB18918-2002 1 A

10.1.7

1

2

10-4

10-4

	pH COD_{Cr} NH_3-N SS BOD_5	1 /	GB8978-1996 NH_3-N DB33/887-2013
		1 / 1	GB12348-2008 3

10.2

1

2

3

10.3

“ ”