

---

PPP --

---

1

1.1

PPP —

17491.4

1440m

7

5

2

3

15000m<sup>3</sup>/d

15000m<sup>3</sup>/d

7500m<sup>3</sup>/d

2021

5.6km

b

16684m<sup>3</sup>

117

25

92

88

4

2622m

-

-

-

1882m

b

15000m<sup>3</sup>/d

15000m<sup>3</sup>/d

7500m<sup>3</sup>/d

2015 130

b

16684m<sup>3</sup>

1

5 m<sup>3</sup>/d

3

15000m<sup>3</sup>/d  
7500m<sup>3</sup>/d

15000m<sup>3</sup>/d

3

1.2

1.2-1

		3			
		15000m <sup>3</sup> /d	15000m <sup>3</sup> /d		
			7500m <sup>3</sup> /d		
		7	1440m	5	2
		5.6km	9150m <sup>2</sup>		
		b	16684m <sup>3</sup>		
			0.48km		
		-	-		
		-	DN400~DN1200	1882m	
		92	60	37	88
			11	49	95.7%
					/
					/
			GB18918-2002		/
		B			/
		SBR	SBR		/
					/
					/
					/
					/

1 5 m<sup>3</sup>/d

---

3

1.2.2

5.6km

---

5

2014

3.2-1

400m

290m

1.2km

300m

1.6km

400m

400m

2.3km

1.9km

2020 10

2021 12

64

4

2018

2021

12

2.1-1

2.1-1								
1		60	20	420m 67m 20~30m	1000m 100m 5	7100m 100 m 10	200m 1000m	4.7km 1.5km
2		30	10	1490m 67m 20~30m	1000m 100m 5	1740m 100 m 10	200 m 1000m	6.5km
3		35	12	220m 67m 20~30m	1000 m 100m 5	1600m 100m 10	200 m 1000m	8.1km

4		100	60	470m 67m 20~30m	2060m 100m 5 100m 5	2200 m 300m 10 200m	1000m	9.5km
5		60	20	1400m	1000m 100m 5 100m 50m	5000m 4950m 2000m 10 200m 1000m 30m	1000m	10km

2.2

2.2.1

2.2.1.1

		2020		2020	
	3.12			PM <sub>2.5</sub>	
PM <sub>10</sub>		8μg/m <sup>3</sup>	24μg/m <sup>3</sup>	26μg/m <sup>3</sup>	46μg/m <sup>3</sup>
95	1.0mg/m <sup>3</sup>	8	90		118μg/m <sup>3</sup>

2.2-1

μg/m<sup>3</sup>

				%	
SO <sub>2</sub>		8	60	13.33	
NO <sub>2</sub>		24	40	60	
PM <sub>2.5</sub>		26	35	74.29	
PM <sub>10</sub>		46	70	65.71	
CO mg/m <sup>3</sup>	95	1	4	25	
O <sub>3</sub>	90 8	118	160	73.75	

2020

GB3095-2012

HJ2.2-2018

2.2.1.2

3

2.2-2

A5		370m	NH <sub>3</sub> H <sub>2</sub> S	
A6		340m 650m		
A7		250m		

A5

A6

A7

D



---

2.2.2

2.2.2.1

12 m<sup>3</sup>/d 1.2km

60 m<sup>3</sup>/d

2.2.2.2 2020

2020

6

2020

I

12

5

100%

2020

100%

2020

2.2.2.3

2.2-3

W1	50m	
W2	500m	c
W3	500m	
W4	100m	a
W5	500m	
W6	500m	b
W7	500m	
W8	500m	

pH

13

W1~W6

GB3838-2002

W7 W8

---

GB3838-2002

2.2-4

			m	m	
U1		1.2km	8	1.72	
U2	SK01	30m	13.4	3.75	
U3	SK02	50m	15	4.77	

pH

(CODMn)

K<sup>+</sup> Na<sup>+</sup> Ca<sup>2+</sup> Mg<sup>2+</sup>

Cl<sup>-</sup>

SO<sub>4</sub><sup>2-</sup> 18

GB/T

14848-2017

2.2.4

20

2.2-5

N1			
N2			
N3			
N4			
N5			
N6			
N7			
N8			
N9		/	
N10			
N11			
N12			
N13			
N14			
N15			
N16			
N17	4#		
N18		110m	
N19		100m	
N20		130m	

---

Ld                      Ln

N2   N5~N8   N13~N16

GB12348-2008   4                      N1   N3   N4

GB12348-2008   3                      N9~N12   N17

GB12348-2008   2                      N18~N20

GB3096-2008   2

2.2.5

2.2.5.1

3

2.2-6

WS1	500m	c
WS2	500m	a
WS3	500m	b

pH                      TN   TP

GB15618-2018

2.2.6

2020   8   10                      "                      "

2.2.7

2.2.7.1

---

2.2.7.2

2.2.7.3

2.2.7.4

1

2

GB3838-2002

2.2.8

3

GPS

GB8978-1996

COD BOD<sub>5</sub> SS

NH<sub>3</sub>-N

---

2021

500m<sup>3</sup>/d

ACM

GB28918-2002 B

1.7km c

2.2-7

		m <sup>3</sup> /d			
	GPS	49.188		COD BOD <sub>5</sub> SS NH <sub>3</sub> -N TP	GB8978-1996
		500		COD BOD <sub>5</sub> SS NH <sub>3</sub> -N TP	GB28918-2002 B

2.2.9

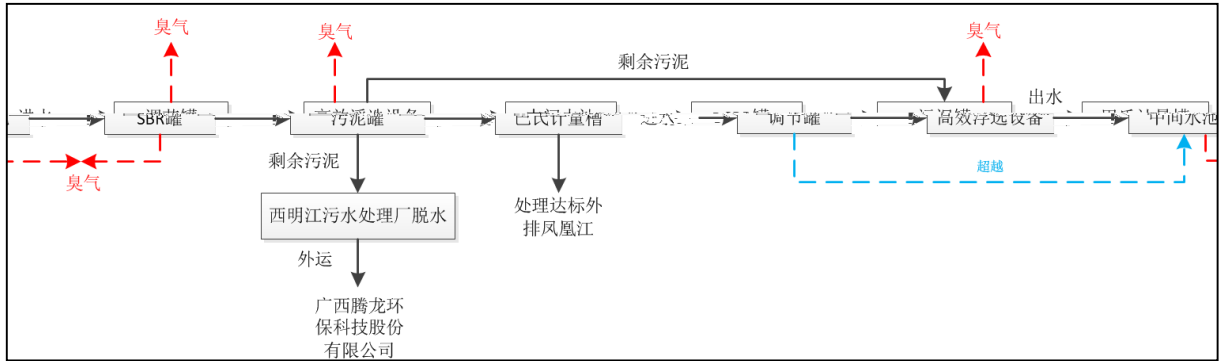
2.2-8

1		500m 1.2km	
2		5km	
3		200m	
4			
5		500m	
6		0.05km	
7		/	

3

3.1

2.3.3.2



3.1-1

SBR

1

SBR

2

COD

BOD5 SS

3

---

60~85dB(A)

4

3.2

3.2.1

3.2.1.1

1

2

“

+

”

2017~2018

2017~2018

2017      2018

5

100%

3



4

5

3.2.1.2

1

2m<sup>3</sup>

SS

2

SO<sub>2</sub> NO<sub>2</sub>

CO

150m~200m

TSP

GB3095-2012

50m

3

3.2.1.3

33515 m<sup>3</sup>

3.2.1.4

15.1m

61m

100m

61m

GB12523-2011

100dB A

3.2.1.5

“ ”

3.2.2

3.2.2.1



GB/T

14848-2017

3.2.2.4

GB12348-2008 2

GB12348-2008 3

GB3096-2008 2

3.2.2.5

3.2.2.6

3.2.2.7

3.2.2.8

3.3

3.3.1

1.8m

21m

1

2

3

3.3.1.1

“

+SBR

”

”

”

GB15562.1-95

3.3.1.2

$Mb \geq 1.5m$

$K \leq 10^{-7} \text{cm/s}$

3

3.3.1.3

3.3.1.4

3.3.1.5

1

2

3

4

5

6

3.3.1.6

4

5

PPP —

6

1

23 2 1 102

18169625354

2

6

0771-2311599

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