



ZHKY -2019-Y0024

18110968990

629000

1

028-85141848

610000

	1				
	50000				
	50000				
	2018 12		2019 1		
	/		2019 8 07~08		
	/		/		
	2680		24.7		0.92%
	2680		24.7		0.92%
	1 9				
	2015 01 01				
	2 22				
	2018 12 29				
	3				
	682				
	4				
	[2017]4				
	5 2011				
	21 2013 5				
	1				
	6 2009				
	10 2009 9				
	1				

	7 8 2018 27
	GB8978-1996 4 GB16297- 1996 2 GB12348-2008 3 GB18599-2001 GB18597-2001

2015

“ 5

”

5

5

2015 66

2019 9

2016 24

“

”

“

”

“”

2019 1

2019 5

2018-510904-36-03-303025

FGQB-0204

2018 12

2018 12 25

2018 27

50000 /

1 40m

“ ”

“ ”

2019 08 07~08

- 1
- 2
- 3
- 4
- 5
- 6
- 7

2.1

2011 1

GB8978-1996

GB18918-2002

1

2

500m

1

10

20

40m

40m

700m

1

800m

100

390m

100

740m

80m

600m

30

1km

1.3km

1.5km

800

3

2.3

2.3.1

“ ”

33290

“ 5 ”

2015 40 2015 2015 11 2015 66 2017

2017 9 2017 29

5

5000

/

2680 24.7 0.92%

2.3.2

2-1

1

5

2-1			
	/	10m ³	10m ³
	50m ³ /h		
	200m ²	200m ²	200m ²
	/	1 15m	1 15m
		15m 1	15m 1

2-2

			/	/
	1		1	1
	2		2	2
	3		2	2
	4		2	2
	5		2	2
	6		2	2
	7	-	2	2
	8		2	2
	9		2	2
10			2	2

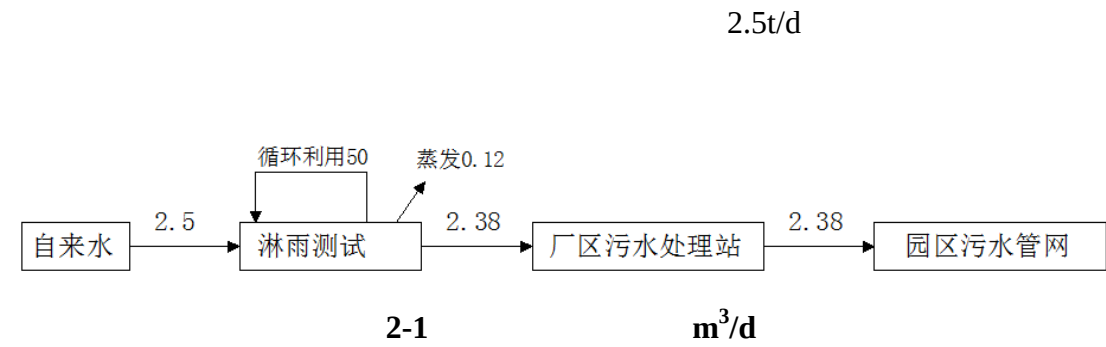
2-2				
			/	/
	5	KBK	4	4
	6		2	2
	7		2	2
	8	KBK	4	4
	9		2	2
	10	KBK	1	1
	11		2	2
	12		2	2
	13		2	2
	14	3	1	1
2-3				
			/	/
	1		2	2
	2		2	2
	3		2	2
	4		2	2
	5		2	2
	6		2	2
	7		2	2
	8		2	2
	9		2	2
	1		1	1
	2		1	1
2.3.3				
250			8	

2.4

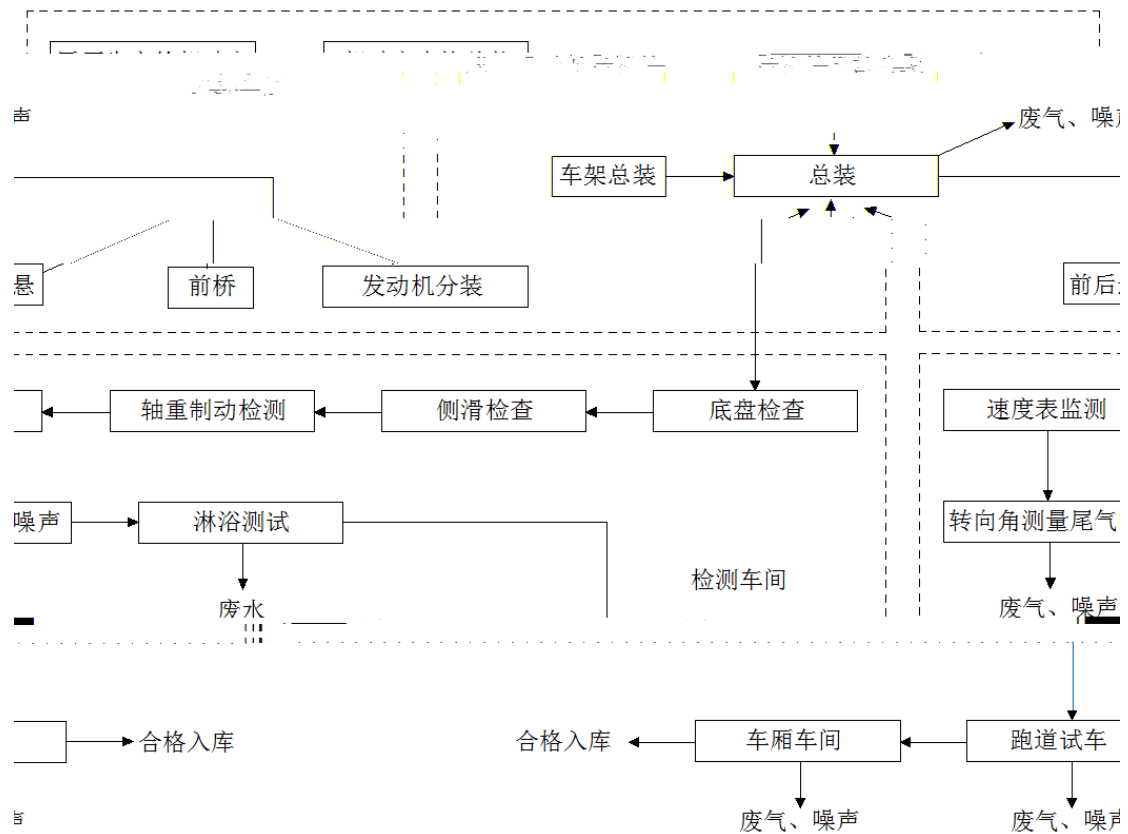
2-4

1			t	8000	8000
2			t	36	36
3			t	16	16
4			t	0.5	0.5
5			t	4	4
6			t	40	40
7			t	25	25
8			t	10	10
9			t	60	60
10			t	252.46	252.46
11		PVC	t	15	15
12			t	111.36	111.36
13			t	246.37	246.37
14			t	58.51	58.51
15			t	6.5	6.5
16				5	5
17				5	5
18				5	5
19				5	5
20				5	5
21				5	5

2.5

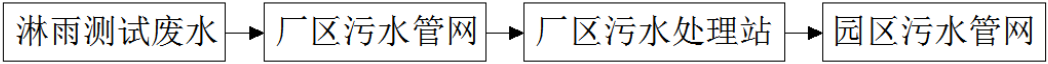


2.6

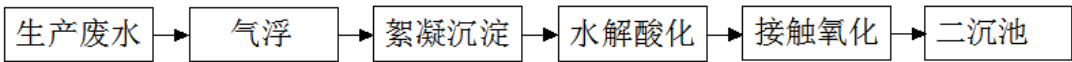


2.7

3.1



3-1



3-2

3-1

3.2



3-2

			10m	700mm 15m
			7m	700mm 15m
			/	

3.3

3-3

75

1

1

2016

24

“

”

“

”

“”

2018 107

50000 /

2

1

2011

2013

21

2011

2018-510904-36-03-

303025 FGQB-0204

2018 107

2

“

”

2

1

SO₂ NO₂ PM₁₀ PM_{2.5}

GB3095-2012

2

GB3838-2002

NH₃-N TP

GB3838-2002

3

GB3096-

2008 3

3

1

SS 2.5m³/d

2

15m

100m

4

75dB

A

GB12348-2008

	“	2012 79	”	“	2008 941
”					
3					
1	“		”		
2					
3					
GB18918-2002	A				
4					
	GB121348-2008	3			
5	“		”		
6					
“			”		

5.1

5-1

	GB8978-1996 4						
		pH	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
		6-9	500	300	400	20	/
	GB16297-1996 2						
		mg/m ³	120	240	120		
		kg/h	1.75	0.385	5		
	GB16297-1996 2						
	mg/m ³		1.0	0.12	4.0		
	GB12348-2008 1 3						
			65dB A		55dB A		

5.2

5-2

		HJ/T 91-2002	/	/
	pH	pH	DZB-718(YQ17056)	4 mg/L
		HJ 828-2017	/	0.5 mg/L

5.4

5.4.1

1

2

3

4

5

5.4.2

1

2

30% 70%

3

4

5

5.4.3

2

0.5dB A

5m/s

GB 12348 2008

6.1

6-1

W1#		pH	4 / 2

6.2

6-2

P1#			3 / 2
P2#			3 / 2

6-3

7.1						75%		
7-1								
6	50000	200	2019.08.07	151	/	75.5%		
			2019.08.08	152	/	76%		
			2019.09.16	153	/	76%		
			2019.09.17	153	/	76%		
250			8					
7.2								
1								
7-2								
pH: mg/L								
			pH					
2019. 08.07		W1-1-1	7.0	35	0.96	12.4	0.89	9
		W1-1-2	7.5	34	0.89	11.7	0.94	8
		W1-1-3	7.8	37	1.01	13.1	0.83	7
		W1-1-4	6.9	37	0.98	13.9	0.79	10
		/	6.9~7.8	36	0.96	12.8	0.86	9
			6~9	500	/	300	20	400
					/			

7-2

pH: mg/L

			pH					
2019. 08.08		W1-2-1	6.9	41	0.84	15.3	1.20	7
		W1-1-2	7.8	42	0.79	16.1	1.12	9
		W1-1-3	7.2	39	0.81	12.8	1.02	11
		W1-1-4	6.6	40	0.89	14.7	1.01	6
		/	6.6~7.8	41	0.83	14.7	1.09	8
			6~9	500	/	300	20	400
					/			

pH

GB

8978-1996 4

2

7-3

7-3								
2019. 09.17	15m	m ³ /h		18639	19353	16375	/	/
			mg/m ³	4.68	4.65	5.63	120	
			kg/h	0.09	0.09	0.09	5	
			mg/m ³	1.4	1.2	1.3	120	
			kg/h	0.03	0.02	0.02	1.75	
			mg/m ³	3.4	3.7	3.0	240	
			kg/h	0.06	0.07	0.05	0.385	
		2019. 09.16	15 m	m ³ /h		27213	27361	27310
	mg/m ³			3.67	2.76	3.45	120	
	kg/h			0.10	0.08	0.09	5	
	mg/m ³			1.4	1.9	2.2	120	
	kg/h			0.04	0.05	0.06	1.75	
	mg/m ³			3.8	3.6	3.8	240	
	kg/h			0.1	0.1	0.1	0.385	
2019. 09.17	15 m			m ³ /h		18639	19353	16375
			mg/m ³	4.68	4.65	5.63	120	
			kg/h	0.09	0.09	0.09	5	
			mg/m ³	1.4	1.2	1.3	120	
			kg/h	0.03	0.02	0.02	1.75	
			mg/m ³	3.4	3.7	3.0	240	
			kg/h	0.06	0.07	0.05	0.385	
		200m		5m				
50%		GB 16297-1996		7.1				
1996	2	GB 16297-						

3

7-4

mg/m³

	3m 1.5m	G1-1-1	0.183	0.018	1.18
		G1-1-2	0.200	0.021	1.15
		G1-1-3	0.167	0.019	1.16
		G1-1-4	0.217	0.020	1.12
	4m 1.5m	G2-1-1	0.217	0.021	1.61
		G2-1-2	0.167	0.025	1.68
		G2-1-			

2019.
08.07

7-4

mg/m³

2019. 08.08	3m 1.5m	G1-2-1	0.200	0.020	1.72
		G1-2-2	0.233	0.022	1.32
		G1-2-3	0.217	0.021	1.25
		G1-2-4	0.183	0.021	0.94
	4m 1.5m	G2-2-1	0.150	0.025	1.80
		G2-2-2	0.200	0.030	1.25
		G2-2-3	0.217	0.027	1.85
		G2-2-4	0.167	0.023	1.83
		G3-2-1	0.183	0.024	1.37

3m
1.5m

4

7-5

dB A

2019.
08

5

5.4t/a

13.57t/a

3.0t/a

=

+

$$\times = 0.04+0.06 \times 16 \times 250 \times 10^{-3} = 0.40\text{t/a}$$

=

+

$$\times = 0.07+0.1 \times 16 \times 250 \times 10^{-3} = 0.68\text{t/a}$$

=

+

$$\times = 0.11+0.1 \times 16 \times 250 \times 10^{-3} = 0.84\text{t/a}$$

7-6

		5.4t/a	0.40t/a	/
		13.57t/a	0.68t/	/
		3.0t/a	0.84/a	/

7.3

7.4

7.5

2019 08 08

30 30 100%

100%

7-7

		200m	200m~1km	1km~5km	5km	
		/	3	21	6	
		12	18	/	/	
		/	/	/	30	/
		/	/	30	/	
		/	/	30	/	

7.6

7-8		
	“ ”	“ ”
/		
/		

7-8

“ ”

“ ”

/

10cm
+2mm
HDPE +10cm
+1mm

8.1

1

GB8978-

1996 4

2

GB16297-1996 2

GB 16297-1996 2

3

GB12348-2008 1 3

4

5.4t/a

13.57t/a

3.0t/a

=

+

× = 0.04+0.06 ×16×250×10⁻³=0.40t/a

=

+

× = 0.07+0.1 ×16×250×10⁻³=0.68t/a

=

+

× = 0.11+0.1 ×16×250×10⁻³=0.84/a

5

							2018- 510904-36-03-303025 FGQB-0204			1				
		C3721					☑							
		50000					50000							
							2018 27							
		2019 1					2019 5			/				
		/					/			/				
										75%				
		2680					24.7			%		0.92		
		2680					24.7			%		0.92		
		/		10		0.3	10				/		4.7	
		/					/					2000h		
								915109043094833979						
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(11)	
		/	/	/	/	/	/	/	/	/	/	/	/	
	COD	/	/	/	/	/	/	/	/	/	/	/	/	
		/	/	/	/	/	/	/	/	/	/	/	/	
		/	/	/	/	/	/	/	/	/	/	/	/	
		46.29t/a	5.9mg/m³	120mg/m³	/	/	0.84t/a	3.0t/a	/	/	/	/	/	
		0.98t/a	2.2mg/m³	120mg/m³	/	/	0.40t/a	5.4t/a	/	/	/	/	/	