2018 7 14

0519-87685699 0519-87569987

213300 213300

99 118 D3

9.2.1 43
9.2.2 48
10. 52
10.1 52

1
2
3

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

2.

2.1 253 682

2.2 [2017]4

2.3 2018 5 15

2.4 [2015]256

2.5 [1993] 38

2.6 [97]122

2.7 HJ 819-2017

2.8 ([2015]113)

2.9 [2018]34

2.10 15 3 (2012 10)

2.11 15 3 [2012]124

2012 8 28

2.12 15 3 [2012]63 2012 10 26

2.13 15 3 10 2014 5 2014 1 31

2.14 15 3 2017 5

2.15 15 3 5

3.

3.1

104 400

2 31 49 N 119 30 E

100m

1 2

3

3.2

5

1 5

1000 100

10% 30

300 8h 7200h

3-1 3-2 3-3

3-1

1		[2011]17 2011 7 27 [2011]381 2011 11 21
2		2012 10
3		15 3 [2012]124 2012 8 28 15 3 [2012]63 2012 10 26
4		10
5		5
6		2016 9

7		2017 7
8		3-2

3-2

	37% 3	150000t/a	100000t/a 1-2#	50000 t/a 3#
	99.5% ( )	30000t/a		
		1761m^2 2 1900m^3	1761m^2 2 1900m^3	
		2725m^2 3 950m^3 2 950m^3		3 950m^3 2 900m^3/
		1065m^2 2 95m^3 2 95m^3 4 95m^3 2 100m^3		

		Δ t=5		
		( ) 90000t/a 48153t/a 41847t/a	/	( ) 90000t/a 4305 t/a 85695t/a
		200Nm^3/h Mpa		
		1 270t/h +7 Δ t=5 R134a		
		1985.6 20KV 380V 220V	/	
		23063m^2 39.2%	/	
		15m 99.5%	1#~2# 15m 1#~2#	3# 15m 3#
		1# 15m 99.5% + +		

3-3

					MPa	( )	( )	( )	( )	
1			Q235			3	2	0	2	/
2		1500×1500	304			3	2	1	3	/
3			304	60		3	2	1	3	/
4			304	90		3	2	1	3	/
5			304/Q235	650/180	0.4	3	2	1	3	/
6			Q235	155	0.4	3	2	1	3	/
7			Q235	155	0.4	3	2	1	3	
8			Q235	155	0.4	3	2	1	3	
9			304	155	0.4	3	2	1	3	
10		1000	Q235	175	0.8	3	2	1	3	
11			Q235	80		3	2	1	3	
12			304			3	2	1	3	
13			321	630		3	2	0	2	/
		400×6500	321	630		0	0	1	1	/
14	1#		304	120		3	2	1	3	/
15	2#	500	304	75		3	2	1	3	/
16			304	60		3	2	1	3	/
17			Q345R	1000	1.0	3	2	1	3	/
18	( )		20G/Q345R	300/180	1.0	3	2	1	3	/

19			Q345	175	1.0	3	2	1	3	:6000Nm^3/h, :6000Nm^3/h, 1000 , :230m^2
20			304			3	2	0	2	
21			304			6	4	2	6	
22		BR0.8B A=150m^2	304	60/120	0.2/0.2	3	2	1	3	/
23	1#	BR0.6B A=150m^2	304	35/120	0.2/0.2	3				

0.2/0.2

33		3L73WD	C S			3	2	0	2	/
		L74DATJ	C S			0	0	1	1	/
34		3L63WD	S S			3	2	1	3	/
35		4-72-6	C S			3	2	1	3	/
36		5t 12m	/			6	4	1	5	/
		3t 12m	/			0	0	1	1	/
37		7t/h	/	/	/					

3.3

3-4

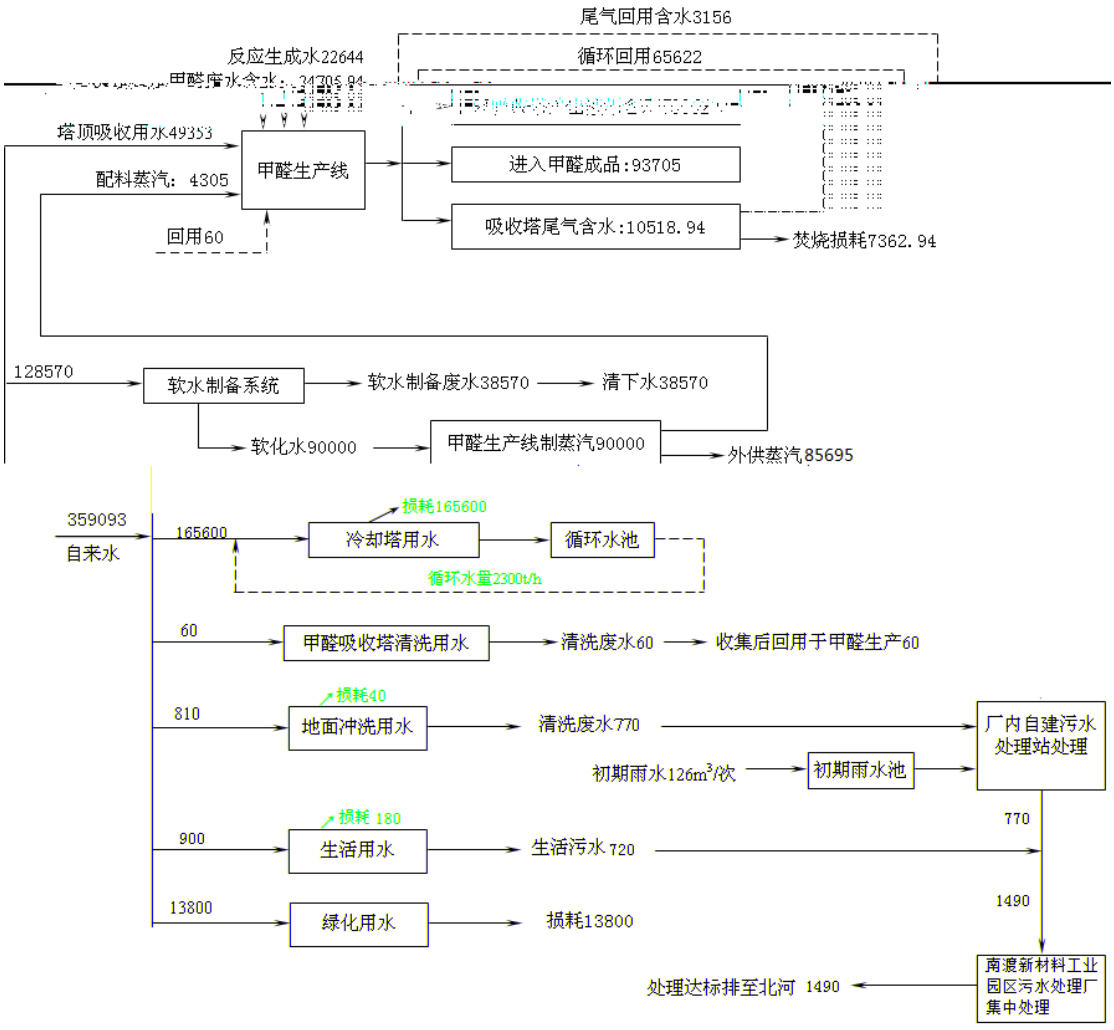
			t/a	t/a	t/d	t/d	
		99.9%	66750	22250	74.17	70.46	
		100%Ag	4.5kg	1.5	0.005	0.0048	
		1.1%	22460.4	7486.8	24.96	23.71	

3.4

5

359093t/a 900t/a 13800t/a

344393t/a 2300t/h 99%

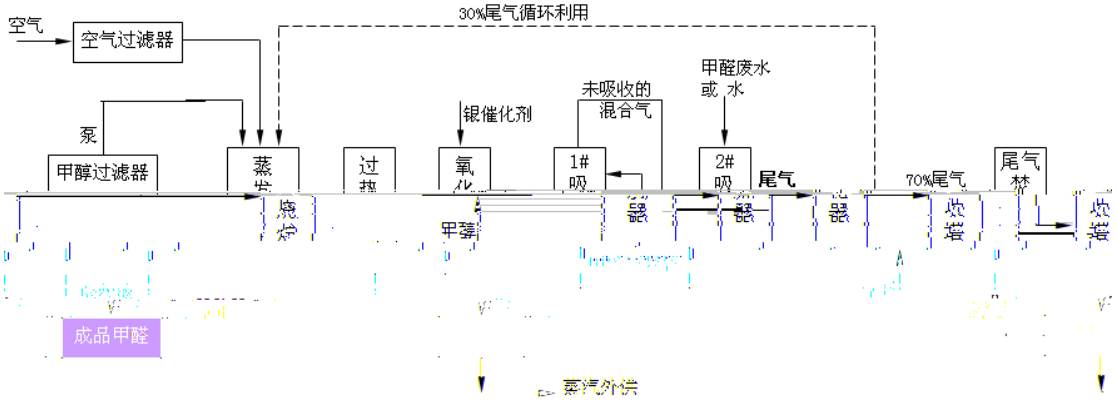


3-1 **t/a**

3.5

$CH_3OH+1/2O_2$ $_2O+H_2O$

2#



3-2

42 48

2# 30%

HCHO CH_3OH H_2O CO_2 CO CH_4 O_2 H_2 N_2

CO_2 CO CH_4 HCOOH

G1

100 140

H_2

450

450 ,

12 33KPa

, 3

38KPa

450 12 3

9 3 4.5

10 5

23.5 5 18.5

400

10%

2

900m^3/

2

1.5%

88%

102

630 -650

5

3

5

85%

6m

6

4

, 6000m^3/h(

), 10000m^3/h 11200 m^3/h

, :

,

10000m^3/h, 1200m^3/h, 1# 1#

, 11200m^3/h, 2# 3#

10000m^3/h 11200m^3

2		30%		
3		30%		
4		30%		
5				
6				
7				
8				
9				
10				

2015 256

4.

4.1 /

4.1.1

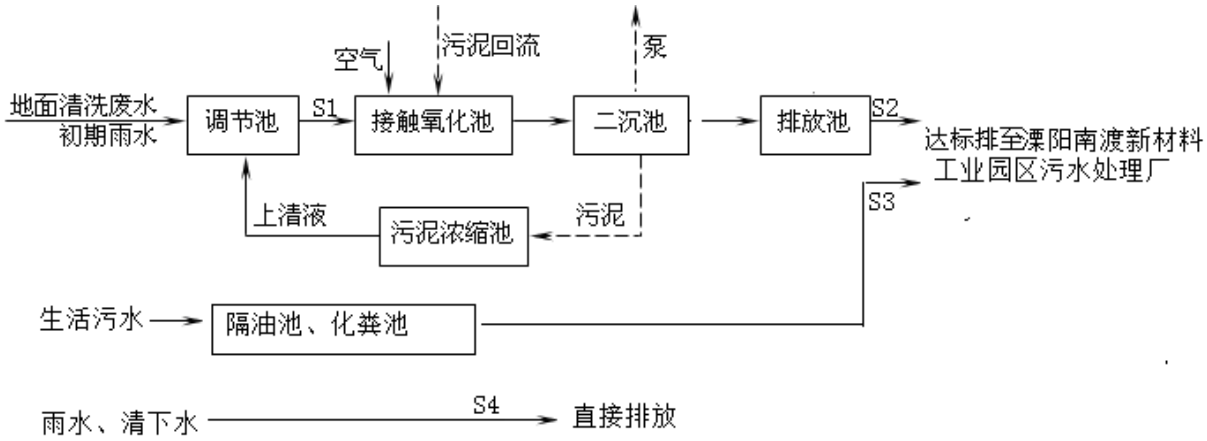
1

4-1

4-1

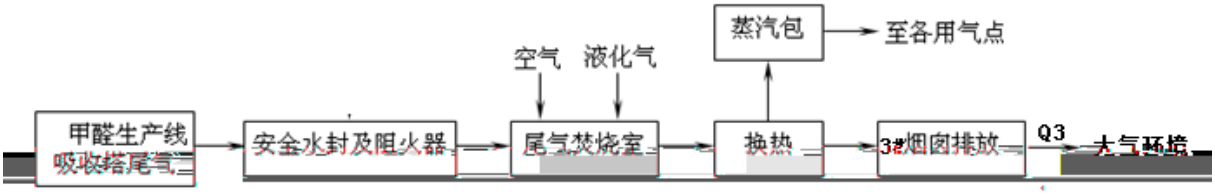
			m^3/d		
			128.6	/	
			0.2	/	
			2.57		
			2.4		

2



4-1

15 3



4-3

2

85%~90%

4-2

			/				
	CO		1# 3# 3 1# 3# 3 15m 1# 3#	1# 2# 2 1# 2# 2 15m 1# 2#	1 3# 3# 1 15m 3#	H=15m D=0.8m	
			/	/	/	/	

4-4 3#

4.1.3

85dB(A)

( )

( )

4-3

			dB(A)	(m)		
1		3	85	28		
2		6	95	12		
3		105	90	28		
4		9	85	8		

4.1.4

4-4

						t/a	
1					261-171-50	1.2	
2				70%	900-041-49	0.2	
3		/			/	4.5	

4.2

4.2.1

26 10

161 1000 m^3

DCS

1.5m 2415m^3

1610m^2×1.5m 1450.5 m^3 967 m^2×1.5m

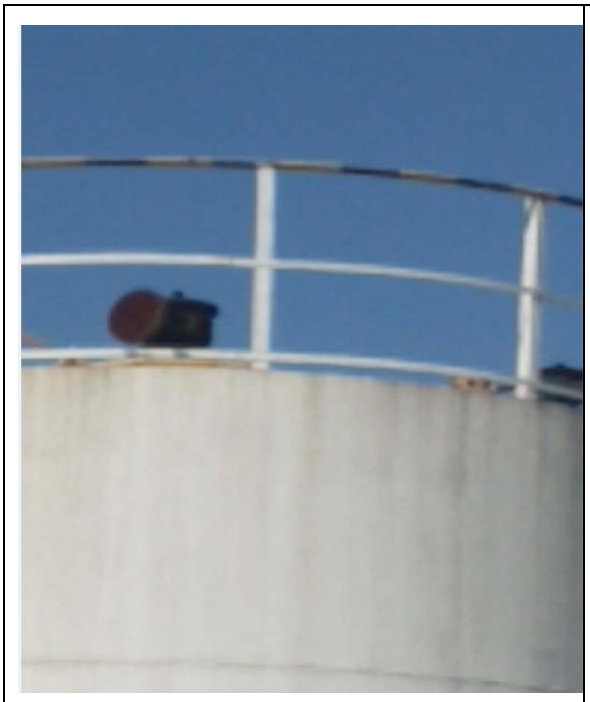
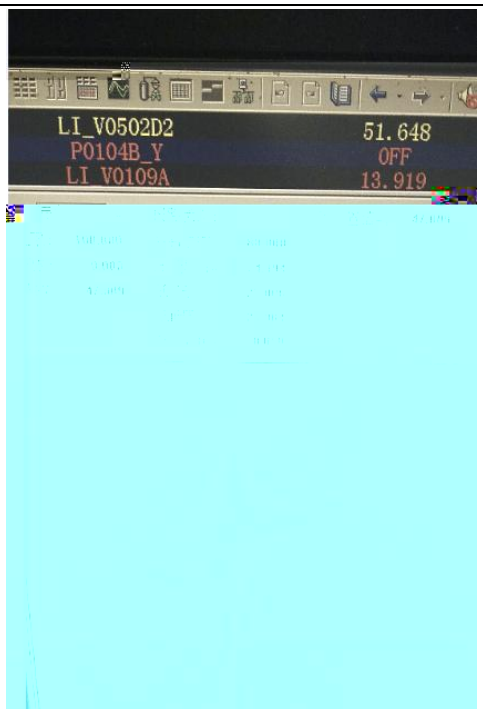
3753 m^3 2502 m^2×1.5m

1700 m^3

1.5m

1# 2#

1# 2# 1# 2#

	 LI_V0502D2 51.648 P0104B_Y OFF LI_V0109A 13.919
氮气	东鹏制氮 Dong Peng Nitrogen Generato

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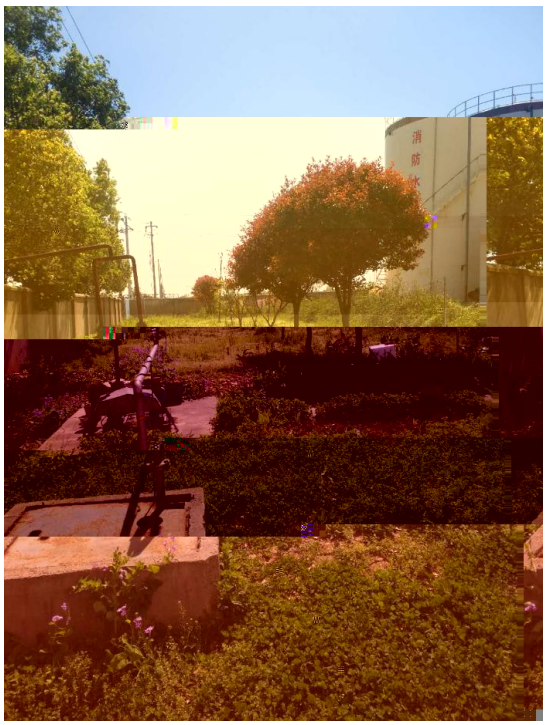
<tr><td>  </td><td> </td></tr>
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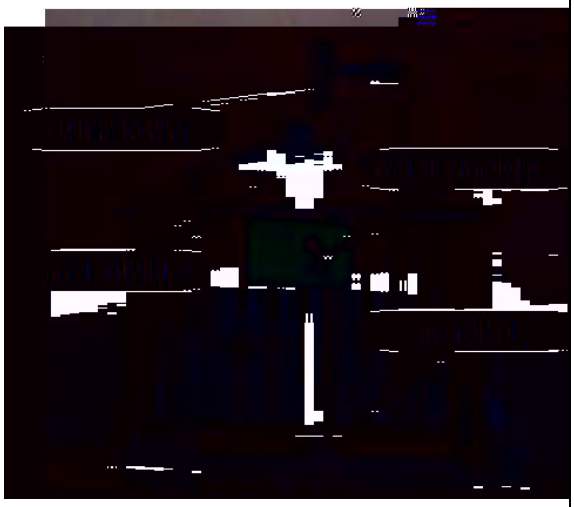


消防水罐

乔尔甲醛
微型消防站内应急物资清单
序号 名称 数量 单位 保管人
1 安全帽 20 个 李云保
2 荧光背心 15 件 李云保
3 雨鞋 15 双 李云保
4 防毒口罩 100 只 李云保
5 浸塑手套 10 双 李云保
6 纱手套 20 双 李云保
7 帆布手套 20 双 李云保
8 A级防化服 2 套 李云保
9 防毒面具 5 套 李云保
12 路障 8 个 李云保
20 把 李云保
片碱 500 公斤 李云保
吸附毡 1 包 李云保
吸附索 1 包 李云保
吸附枕 20 只 李云保
吸附棉 1 包 李云保
防尘眼镜 15 副 李云保
正压式呼吸器 套 2 李云保
围油栏 1 包 李云保
常州乔尔塑料有限公司

4.2.2

$100m^2$

4.2.3

1 15m

\+ 15m

2

3 420m^3

4

5 100m^2

6 DCS

16

4.3

1000 100 10 %

4-5

4-5

	15 3 (3# 5)					
		CO	3 99.5% CO 99.5%	1-2# 2 99.5% CO 99.5%	1 3# 99.5% CO 99.5%	85
			1# 99.5%			/
		CODcr SS	+ +	+	+	/
		COD SS TN TP				/
						5

					10
					/
	23063m^2				/
	2 1000m^3 1700m^3		2 1000m^3 1700m^3		/
	1-2				/
	COD		COD		/

		COD		

1

1 15m

+

15m

2

3 420m^3

4

5 100m^2

5.

5.1

1#~3#

15m 1#~3# 1#

15m 1#

1 3

(GB12348-2008)

1 3

/

100%

100m

5.2

15 3

41847t/

[2007]64 <

[2008]524

1.

COD 40mg/L SSD 40mg/L

2.

3 1 1 1#

CO

1#15 2 2 3

2# 3# CO

2# 3#15

GB16297-1996 2 CO

GB14554-96 1

3.

GB18599-2001

GB18597-2001

0.975 t/a 0.025 t/a 4 t/a

1.2 t/a

4.

GB12348-2008

3

GB12523-2011

5. 100

6. {1997}122

1 1

COD

7.

1700m^3

1.

38994 +26294 COD 6.533 +2.083 SS 4.951 +1.141

NH_3-N 0.55 +0.11 TN 0.71 +0.14 TP 0.047 +0.009 0.335

+0.075 0.023 +0.023

2. 4.267 +1.086 1.017 +0.35

0.0418 +0 1.32 +0 CO 3.18 +3.18 0.028

+0.028

3.

6.

6.1

6-1

6-1 mg/L

6-3

	GB12348-2008	3	dB A	65	55

6.4

6-4

6-4

		1.086	
		0.35	
	NH_3	0	
		0	
	CO	3.18	
		0.028	
	m^3/a	26294	/
	COD	2.083	
	SS	1.141	
		0.11	
	TN	0.14	
	TP	0.009	
		0.075	
		0.023	

7.

7.1

7.1.1

7-1

	S1	COD SS	1	4 / 2
	S2	COD SS	1	4 / 2
	S3	pH COD SS	1	4 / 2
	S4	COD SS	1	3 / 2

7.1.2

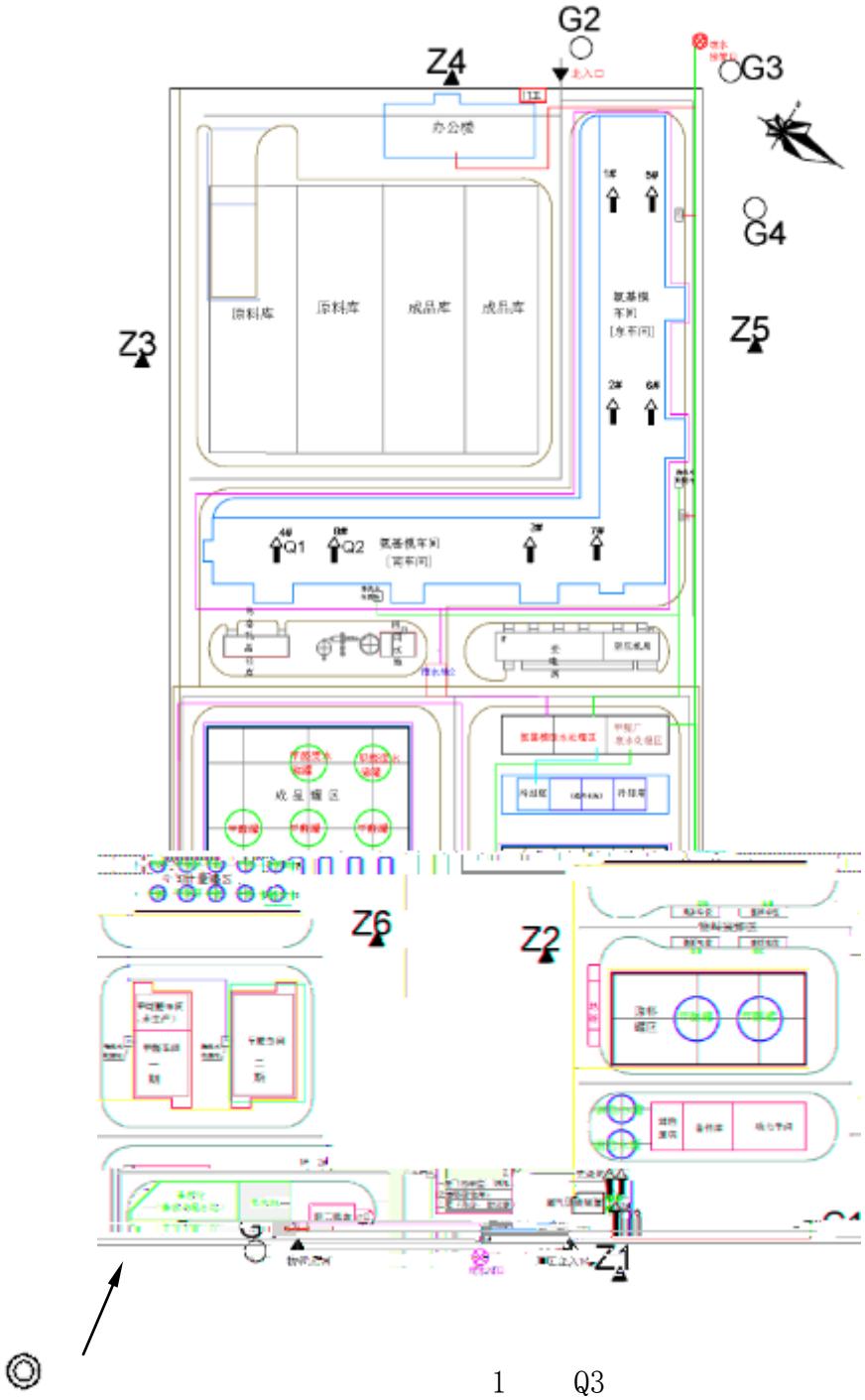
7-2

	3# Q3	CO	1	3 / 2	15m
	G1 G2 G3 G4		4	3 / 2	/

7.1.3

7-3

	1 Z1 Z2 Z6	A	3	1 2



G1 G2 G3 G4

3 Z1 Z2 Z6

7-1

8.

8.1

8-1

*****

2012100568U

8.2

8-2

				/
	pH	pH	SKTC/Y039	/
		COD	SKTC/Y031	/
			SKTC/Y011	/

8-3

					/		
				%			%
pH	8	2	2	100	2	2	100
	30	6	6	100	1	1	100
	30	6	6	100	/	/	/
	8	2	2	100	1	1	100
	8	2	2	100	1	1	100
	8	2	2	100	1	1	100
	8	2	2	100	/	/	/
	24	2	2	100	1	1	100

8.5

1

2 30% 70%

3

8-4

									/		
					%			%			%
		6	2	2	100	2	2	100	1	1	100
*		6	/	/	/	/	/	/	/	/	/
*CO		6	/	/	/	/	/	/	/	/	/
		6	2	2	100	2	2	100	/	/	/

8.6

0.5dB

8-5

	dB(A)	dB(A)	dB(A)	
2018.6.29	93.6	93.6	0	0.5 dB(A)
2018.6.30	93.6	93.6	0	

9.

9.1

2018 6 29 6 30 15

3 5

9-1

				%
2018 6 29	37%	167t/d	158 t/d	95
2018 6 30	37%	167t/d	158 t/d	95

9.2

9.2.1

9.2.1.1

2018 6 29 6 30

pH

9-2 9-4

9-2 mg/L pH

6 29			3060	30	10.9
			3070	25	11.2
			3050	35	11.3
			3040	20	10.8
			3055	28	11.0
			60	7	1.00
			61	8	1.00
			60	5	0.96
			32	5	0.99
			53	6	0.99
			98.3	78.6	91
6 30			3060	45	10.9
			3050	30	11.0
			3040	20	10.5

		3030	20	10.7
		3045	29	10.7
		59	6	1.00
		60	6	0.99
		58	9	0.96
		59	6	0.96
		59	7	0.98
		98.1	75.9	90.8

9-3 mg/L pH

		pH							
06 29		6.25	251	30	48.0	3.79	55.5	1.61	0.60
		6.23	247	55	48.3	3.79	56.5	2.64	0.40
		6.22	249	35	47.8	3.94	57.5	2.71	0.54
		6.20	250	30	47.0	3.87	53.1	2.33	0.52
		6.20-6.25	249	38	47.8	3.85	55.6	2.32	0.52
06 30		6.24	250	75	48.6	3.87	51.1	3.35	0.59
		6.22	251	40	48.0	3.94	62.9	2.93	0.42
		6.20	249	60	47.8	3.71	56.0	2.70	0.55
		6.22	247	50	47.0	3.87	56.0	3.22	0.53
		6.20-6.24	249	56	47.8	3.85	56.5	3.05	0.52
		6-9	500	400	50	4			

9-4 mg/L

249mg/L 56 mg/L

47.8 mg/L 3.85mg/L 56.5 mg/L 3.05 mg/L 0.52 mg/L

9.2.1.2

2018 6 29 6 30 3#

CO

9-5 9-6

9-7

9-5 3#

			2018.6.29					
		m^3/h	4790	4790	4790	4790	/	/
		mg/m^3	0.45	0.60	0.57	0.54	10	
		kg/h	2.16 10^{-3}	2.87 10^{-3}	2.73 10^{-3}	2.59 10^{-3}	0.18	
		mg/m^3	0.80	0.90	0.92	0.87	80	
		kg/h	3.83 10^{-3}	4.31 10^{-3}	4.41 10^{-3}	4.17 10^{-3}	7.2	
			2018.6.30					
		m^3/h	4390	4390	4390	4390	/	/
		mg/m^3	0.78	0.66	0.61	0.68	10	
		kg/h	3.42 10^{-3}	2.90 10^{-3}	2.68 10^{-3}	2.99 10^{-3}	0.18	
		mg/m^3	0.86	0.66	0.62	0.71	80	
		kg/h	3.78 10^{-3}	2.90 10^{-3}	2.72 10^{-3}	3.12 10^{-3}	7.2	

9-5 3#

			2018.6.29					
		m^3/h	4891	4321	4254	4489	/	/
	*	mg/m^3	ND	ND	ND	ND	60	
	*	kg/h					3.6	
	*CO	mg/m^3	42	44	45	44	/	
	*CO	kg/h	0.205	0.190	0.191	0.195	60	
			2018.6.30					

		m^3/h	4720	4536	4662	4639	/	/
	*	mg/m^3	ND	ND	ND	ND	60	
	*	kg/h					5.1	
	*CO	mg/m^3	43	42	44	43	/	
	*CO	kg/h	0.203	0.191	0.205	0.200	60	

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9-6

				mg/m^3						
	6 29		G1	ND	ND	ND	ND	/	/	
			G2	ND	ND	ND		/		
			G3	ND	ND	ND				
			G4	ND	ND	ND				
	6 30		G1	ND	ND	ND	ND	/	/	
			G2	ND	ND	ND		/		
			G3	ND	ND	ND				
			G4	ND	ND	ND				

9-6

				mg/m^3						
	06 29	*	G1	ND	ND	ND	ND	/	/	G1
			G2	ND	ND	ND		12		
			G3	ND	ND	ND				
			G4	ND	ND	ND				
		*	G1	0.79	0.77	0.76	1.32	/	/	
			G2	0.99	0.96	0.97		4.0		
			G3	1.32	1.24	1.21				
			G4	1.03	1.02	1.00				
		*	G1	10	10	10	16	/	/	
			G2	12	12	11		20		
			G3	13	11	12				
			G4	14	15	16				
	06 30	*	G1	ND	ND	ND	ND	/	/	
			G2	ND	ND	ND		12		
			G3	ND	ND	ND				
			G4	ND	ND	ND				

		*	G1	0.79	0.77	0.76	1.17	/	/
			G2	0.83	0.87	0.96		4.0	
			G3	1.17	1.15	1.15			
			G4	0.84	0.81	0.80			
		*	G1	10	10	10	16	/	/
			G2	16	15	14		20	
			G3	14	14	15			
			G4	13	11	11			

*

2012100568U

9-7

			( )	kPa	%		m/s
06 29			26	100.8	52		2.2
			28	100.6	46		2.2
			26	100.7	48		2.2
06 30			25	100.9	48		2.1
			27	100.7	46		2.1
			26	100.8	46		2.1

3#

0.78mg/m^3 3.42 10^{-3}kg/h

0.92 mg/m^3 4.41 10^{-3}kg/h

DB32/3151-2016 1

CO 0.205 kg/h

1.32 mg/m^3

16

DB32/3151-2016 2

9.2.1.3

2018 6 29 2018 6 30

9-8

9-8

		dB(A)	**dB(A)**
2018 6 29	1 Z1	51.1	46.5
	1 Z2	50.2	46.1
	1 Z6	51.9	44.9
2018 6 30	1 Z1	48.5	44.1

	1 Z2	53.4	45.7
	1 Z6	52.4	46.7
		65	65

2018 6 29 50.2dB A 51.9 dB A 44.9dB A 46.5dB A , GB12348-2008 3

2018 6 30 48.5 dB A 53.4dB A , 44.1dB A 46.7dB A , GB12348-2008 3

9.2.1.3

9-7 9-9

1490 t/a 0.371 t/a 0.083 t/a 0.071 t/a 0.0057t/a 0.084 t/a 0.0045 t/a 0.00078 t/a

0.02 t/a 1.64×10^{-3} t/a CO 1.426 t/a

CO

9-8

	mg/L		t/a	(t/a)	
	/	1490t/a	1490	26294	
	249		0.371	2.083	
	56		0.083	1.141	
	47.8		0.071	0.11	
	56.5		0.084	0.14	
	3.85		0. 0057	0.009	
	3.05		0.0045	0.075	
	0.52		0.00078	0.023	

13.

9-10

		kg/h		
	3#	2.79 10^{-3}	7200	0.02
		2.28 10^{-4}	7200	1.64×10^{-3}
CO		0.198	7200	1.426

9-11

		3#			

0.02

10.

[2003]36

50 50 50 100%

10-1 10-2

10-1

2005

1 2 104

2 58834m^2

2 15 3 3 3#

5 2012 . 10

10-2

			(%)
1		A.	100
		B.	0
		C.	0
2		A.	100
		B.	0
3		A.	98
		B.	2
		C.	0
4		A.	100
		B.	0
		C.	0
5		A.	100
		B.	0
		C.	0
6		A.	100
		B.	0
		C.	0
7		A	100
		B.	0
		C.	0

11.

11.1

95%

75%

11.1.1

11.1.1.1

11.1.1.2

3#

11.1.1.3

11.1.2

1 pH

2 3#

DB32/3151-2016 1 CO

DB32/3151-2016 2

3 2018 6 29 6 30

GB12348-2008 3

4

5

CO

11.1.3

1

2

3

4

15 3

5

2015 256

15 3 5

1

2

3