

2.1		2
2.2		2
2.3		2
3.1		4
3.2		7
3.3		10
3.4		11

1997

*ANQO•đ

1

2

3

4

5

6

7

8

9

10

11

2015.1.1

2015.1.1

2015.1.1

2015.1.1

2015.1.1

2015.1.1

2015.1.1

2012.7.1

2016.7.2

2016.7.2 ×

2019.1.1

		2023.3		
4				
	2023.3	2		
5			3	
6				4

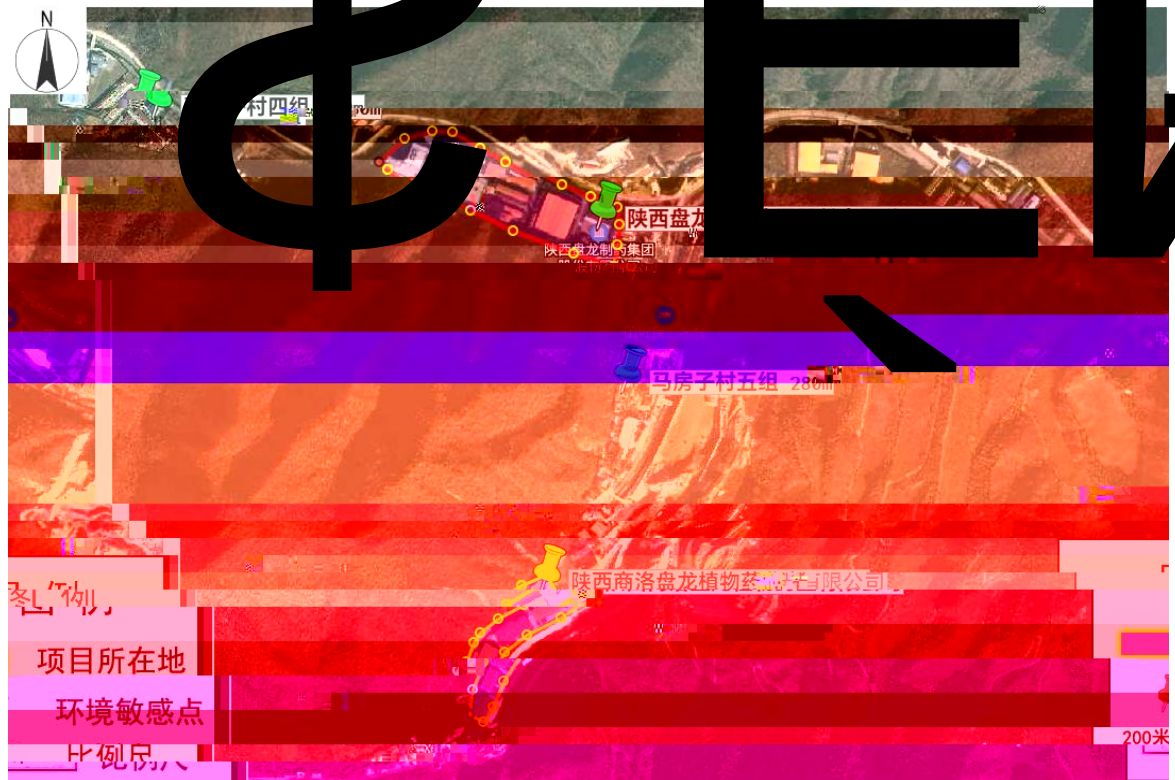
3.1.1

	3000t
	828288
	2020.7.28
	2020.4.24
	2021.4.24
	/

2.4km

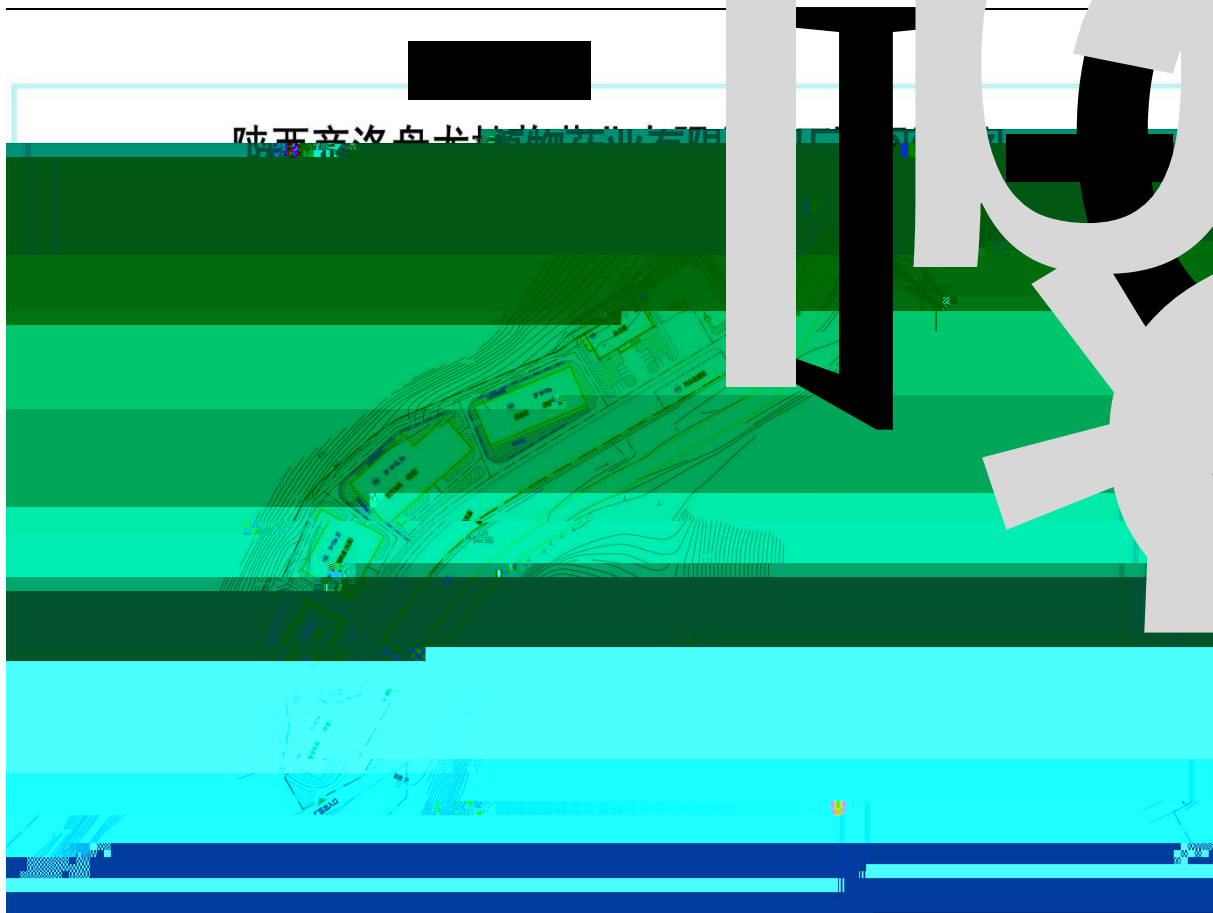
211

3.1-1



↑

×



3.2-1

1		50kg	0.3t	2015	
2		100kg	900t	2015	
3		50kg	2100t	2015	

	2936.01		3692.01	1 /2	
	2447.85	2 +	2 +	+	
	1008	1	1		
	46	1 1 3m	/		
		1026m	1026m		
		10kV 380V 200kVA	10kV 380V 200kVA		
		143 1 4t/h	143 1 4t/h		
		3721.96 6-7 7089.59 7	3721.96 6-7		
		15m	15m		
		+	+		
		+ + +	3		
		540	180		

G A I

30m /d
26m

30m /d
80m

30 1

G v i

30m /d
26m

30m /d
80m

5		SX-3	1	5		SX-3	1	
6		XY900	2	6		XY900	2	
7		1m	2	7		1m	2	
8		RY-2000	2	8		RY-2000	2	
9		WQY240	2	9		WQY240	2	
10		DQY360	1	10		DQY360	1	
11		JD-300	1	11		JD-300	1	
12		BPJ220	1	12		BPJ220	1	
13		HX-II	2	13		HX-II	2	
14		DW-1.2-8	1	14		DW-1.2-8	1	
15		CY800	4	15		CY800	4	
16		ZY1000	6	16		ZY1000	6	
17		ZYG200	3	17		ZYG200	3	
18		FQ16Lx2	1	18		FQ16Lx2	1	
19		BYJ120	1	19		BYJ120	1	
20		DY-600	1	20		DY-600	1	
21		TP-220	1	21		TP-220	1	
22		DXDK-520	1	22		DXDK-520	1	
1	PH	-	2	1	PH	-	2	
2		-	3	2		-	3	
3		-	4	3		-	4	
4		-	3	4		-	3	
5		-	3	5		-	3	
6		-	2	6		-	2	
7	/	-	3	7	/	-	3	
8		-	2	8		-	2	

2015

3.3-1

3.3-2

1	(120)	t/a	3600	1	(120)	t/a	3600

		t/a	1			t/a	1	
2								
		t/a	30		/	/	/	
		t/a	8		/	/	/	
		t/a	8		/	/	/	
		t/a	100		/	/	/	

1		≥0.25MPa	t/d	14.00	1		≥0.25MPa	t/d	14.00	
2		380/220V 50Hz	kW	1643.39	2		380/220V 50Hz	kW	1643.23	
3		-	m /a	48	3		-	m /a	47.99	

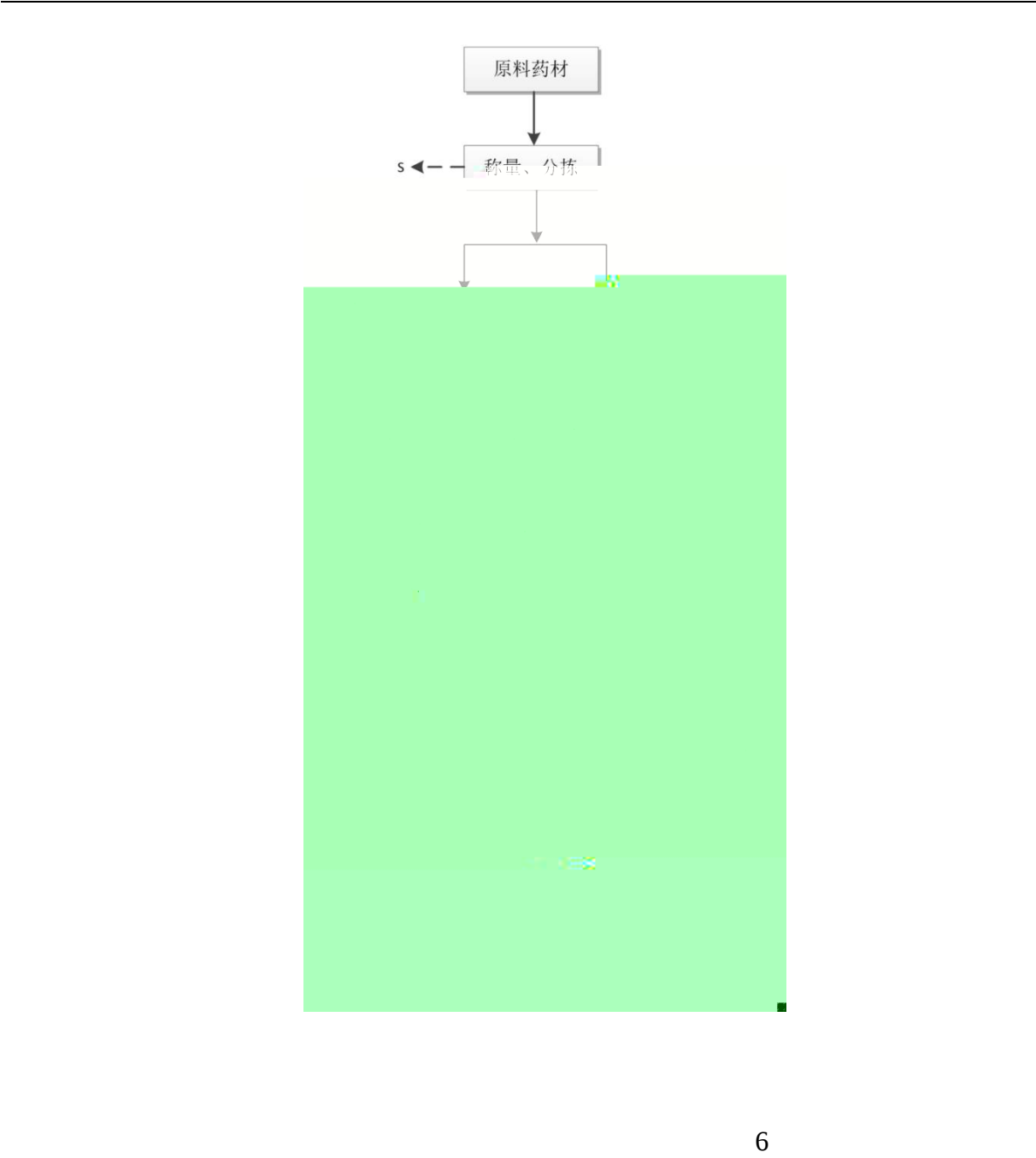
120

14m³/d

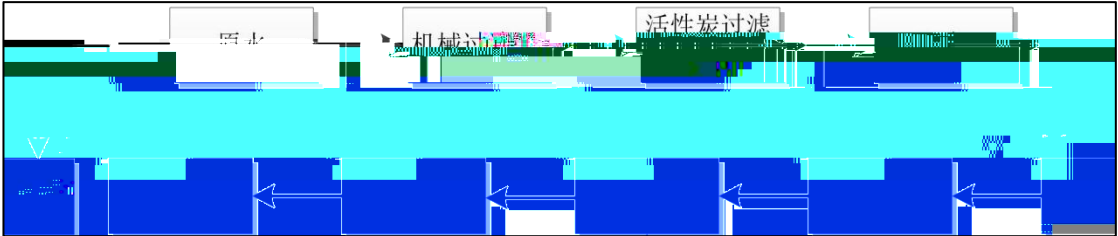
3.4-1

3.4-1

1		0.34		0.29	0.05
2		3.22		2.74	0.48
3		2.38		0.49	1.89
4		8.06		6.85	1.21
				10.37	3.63



$\leq 2\Omega \cdot \text{cm}$



2

32

37 t=5

3

1 4t/h

SO₂ NO_x

4

10.1065m³/d COD BOD₅

NH₃-N

82 0.5kg/ ·d
11.808t/a

3.5-1

			COD	BOD ₅	SS
			COD	BOD ₅	SS

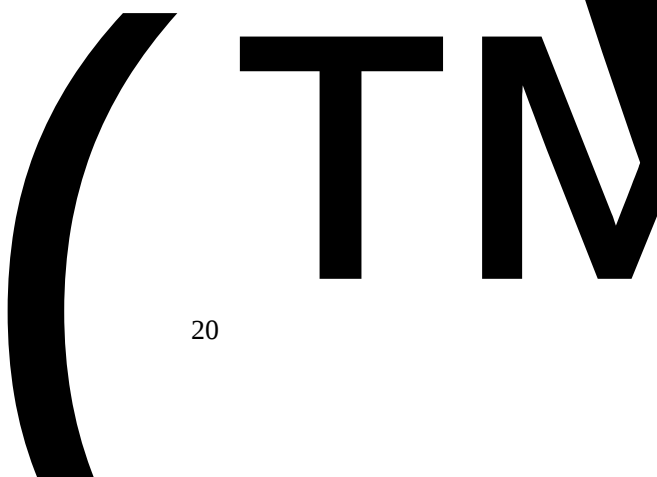
$$+ \quad 3$$

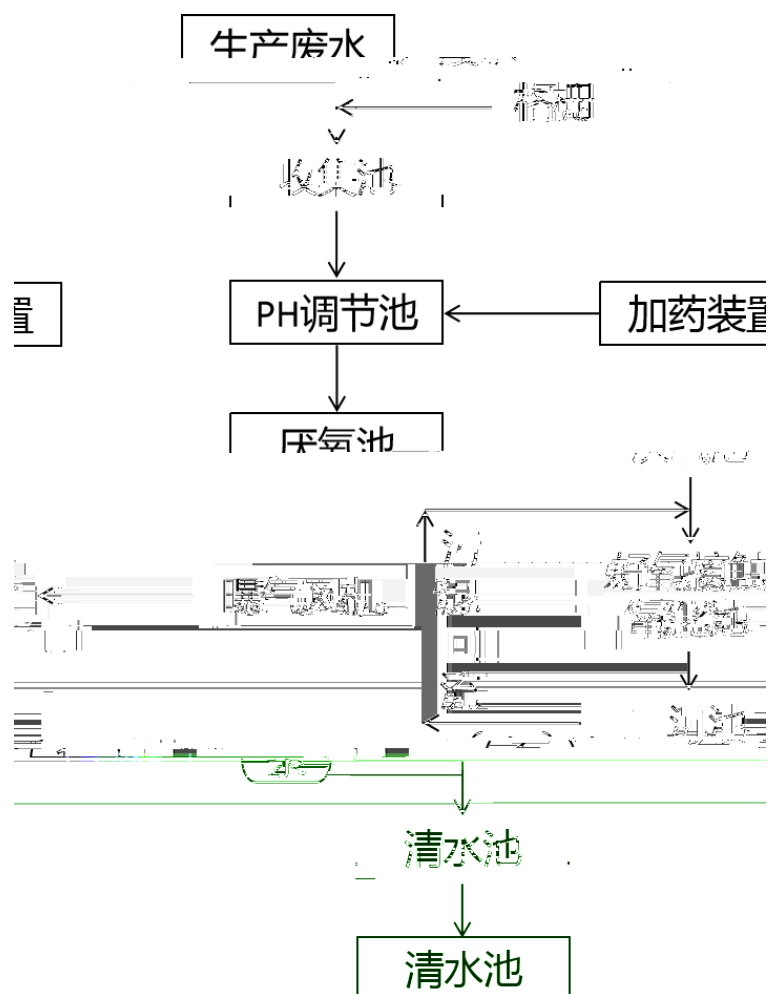
$$+$$

$$80\text{m}^3$$

$$80\text{m}^3$$

1





2

10km/h

200m

60dB

GB12523-2011

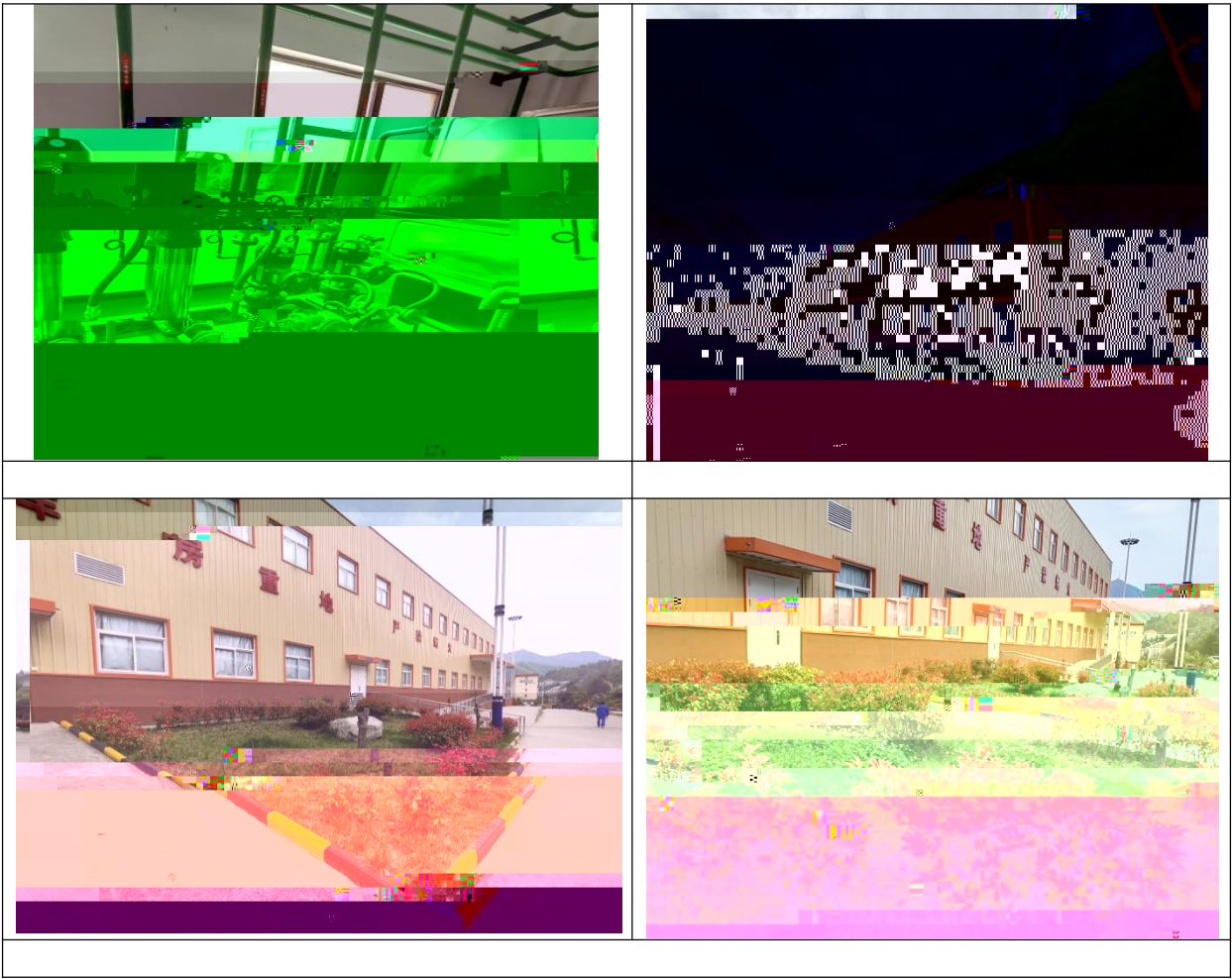
22 00~06 00

22 00-06 00

4.1-1

		2		70	
		1		75	
		4		65	
		1/2		70	

4.1-4



4.1-2

1		2.6		
2		0.6		
3		0.2	HW08	
4		11.808		

COD BOD₅ SS

0.2t/a

(1)

(2)

1

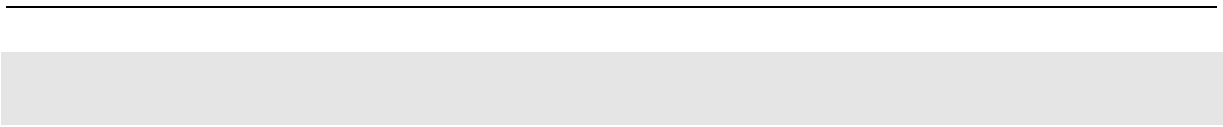
3

1)

2)

/

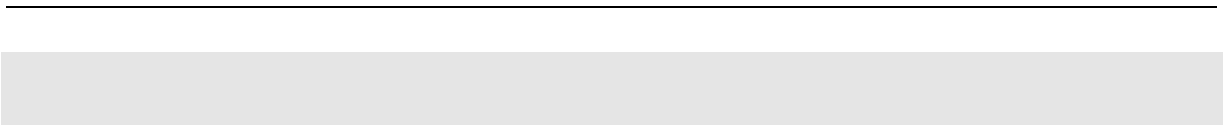
15m



(80m³)

(80m³)

15m



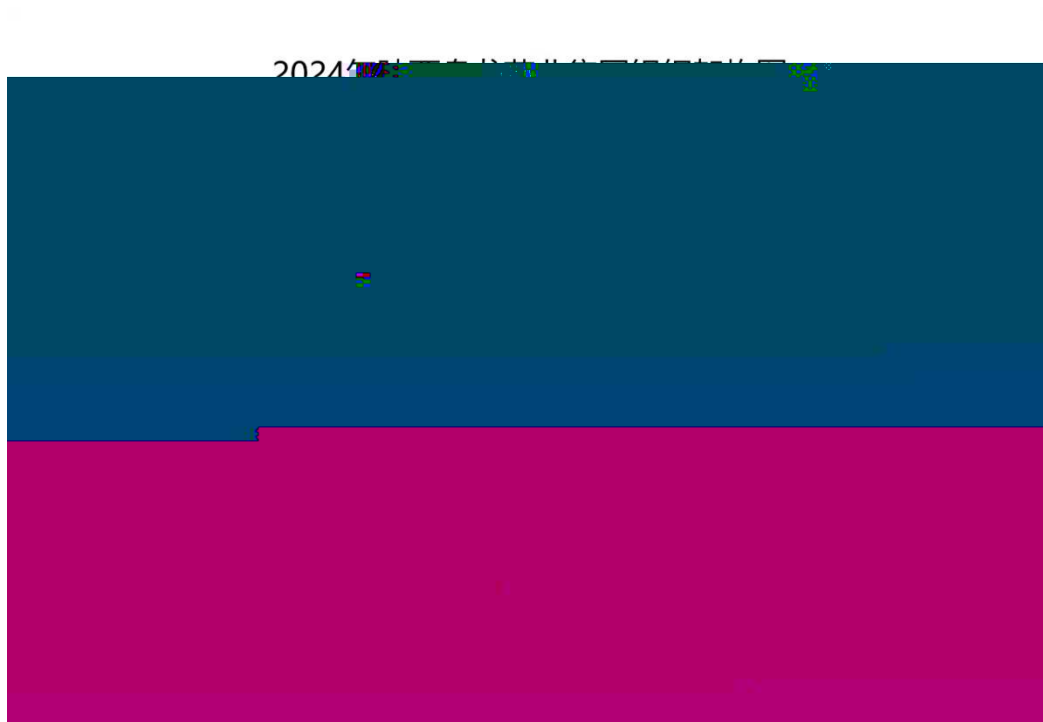
2

3

2.92%	8150	238
		4.3-1

	15		8
	/	3	7
+15m	55	+15m	55

4.3-1



4

5

5.1-1



15m /

15m

15m

+15m
+ +15m

(30m³)
(1026m³) (80m³)

4

5

0712556-2011

2

6

7

8

Å B > |

2023 3

= M A ° i ε R(-

©.»K @C

1

(GB3095-2012)

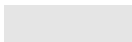
NH₃ H₂S

—

HJ2.2-2018

D

6		≤0.05	
7		≤20.0	
8		≤1.00	
9		≤0.05	
10		≤0.002	
11		≤3.0	
12		≤1.00	
13		≤0.01	
14		≤0.005	
15		≤1.0	
16		≤0.001	
17		≤0.01	
18		≤0.3	
19		≤0.1	
20	Cl ⁻	≤250	
21	SO ₄ ²⁻	≤250	
22		≤0.05	
23		≤100	/L
24		≤3.0	





GB 37823 2019 1

GB37822-2019

DB61/1226-2018 3

6.2-1

		30		
		100	GB 37823 2019	1
NO _x	50			
SO ₂	20	DB61/1226-2018	3	
		10		
		1h	10	
			30	
			30mg/m ³	GB37822-2019

7 12~13

5

7.1-1

7.1-2

2

7.1-1

	4#		
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4

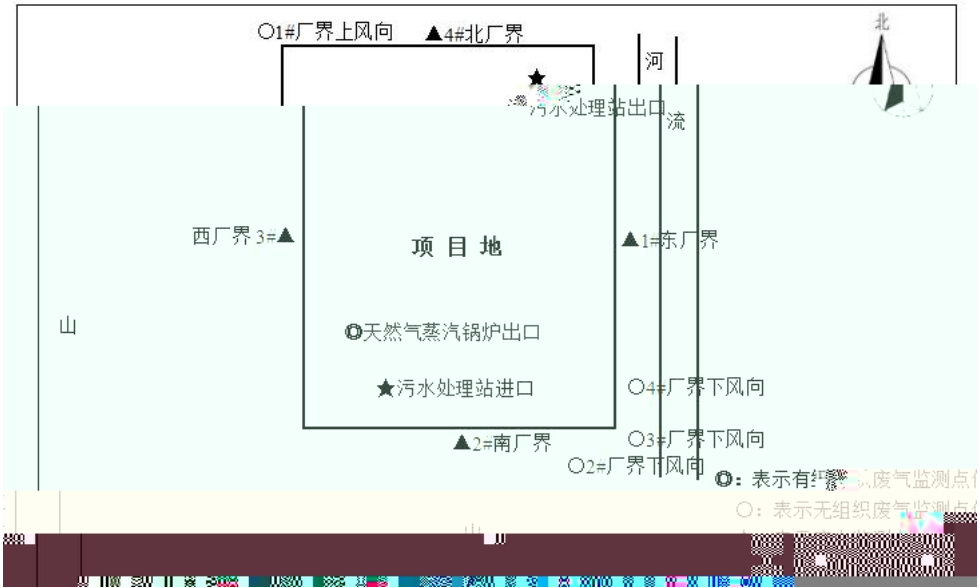
1m

1.2m

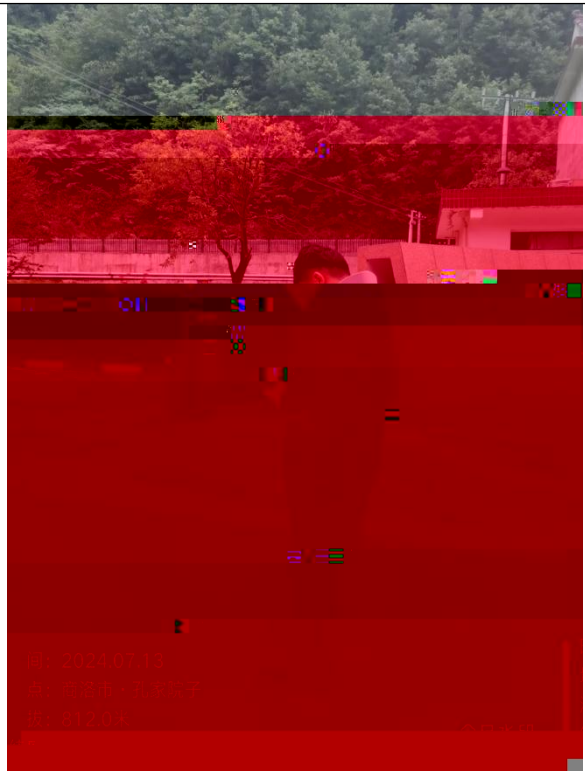
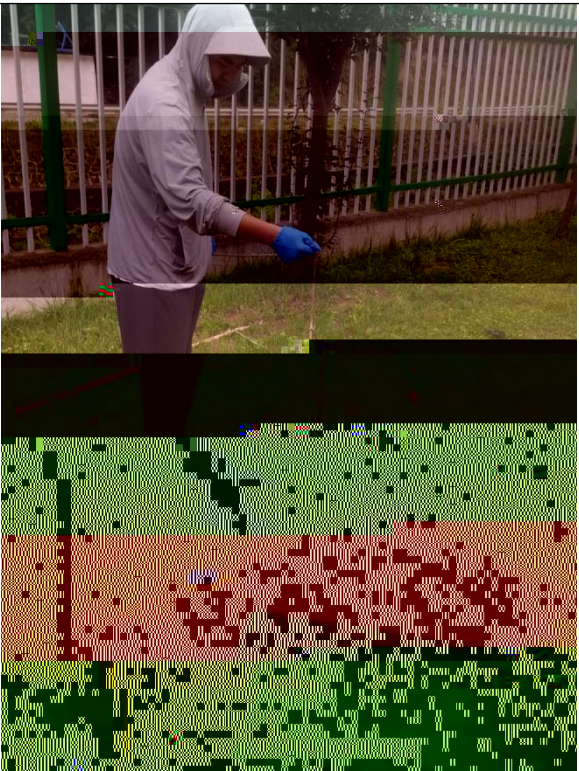
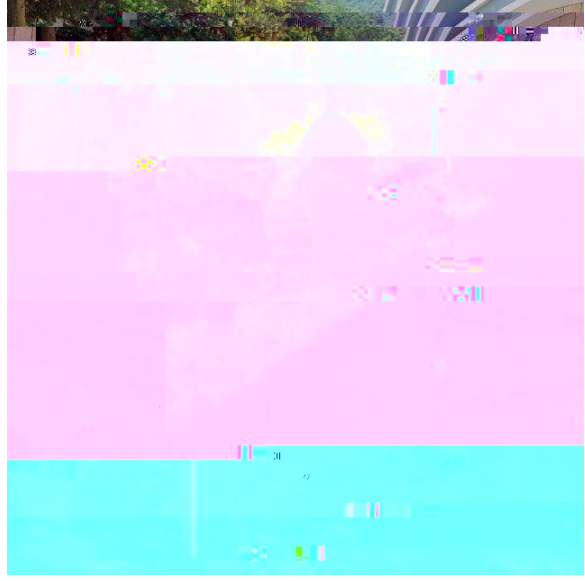
7.3-1

7.1-1

1	1#	2#	3#	4#	2	A 1



- 1
- 2
- 3



1

8.1-1

1		HJ 836-2017	GH-60E/ /IE-0206 AUW120D/ /IE-0023 BSLT-HWS/ /IE-0010	1.0mg/m ³
2		HJ 693-2014	GH-60E/ /IE-0206	3mg/m ³
3		HJ 57-2017		3mg/m ³
4		HJ/T 398-2007	HM-LG30/ /IE-0250	/

2

8.1-2

1		HJ 533-2009	KB-6120 / /IE-0011 KB-6120 / /IE-0012 KB-6120 / /IE-0013 KB-6120 / /IE-0014 722S/ /IE-0034	0.01mg/m ³
2		2002		0.001mg/m ³
3		1263-2022 HJ	KB-6120 / /IE-0011 KB-6120 / /IE-0012 KB-6120 / /IE-0013 KB-6120 / /IE-0014 AUW120D/ /IE-0023	168μg/m ³ 6m ³

			BSLT-HWS/ /IE-0010	
--	--	--	-----------------------	--

8.1-3

1	pH	pH HJ 1147-2020	PH818/ /IE-0259	PH 0~14
2		HJ 828-2017	50mL	4mg/L
3		BOD ₅ HJ 505-2009	SPX-250/ /IE-0040 JPSJ-605/ /IE-0009 101-3EBS/ /IE-0036	0.5mg/L
4		GB/T 11901-1989	GL2004B/ /IE-0031	4mg/L
5		HJ 535-2009	T2602/ /IE-0032	
2				

8.1-4

Leq	GB 12348-2008	AWA6288+/ /IE-0015
-----	---------------	-----------------------

		16024/ 9AWA6022A/	/IE-010 /IE-0018
--	--	----------------------	---------------------

8.2-1~8.2-2

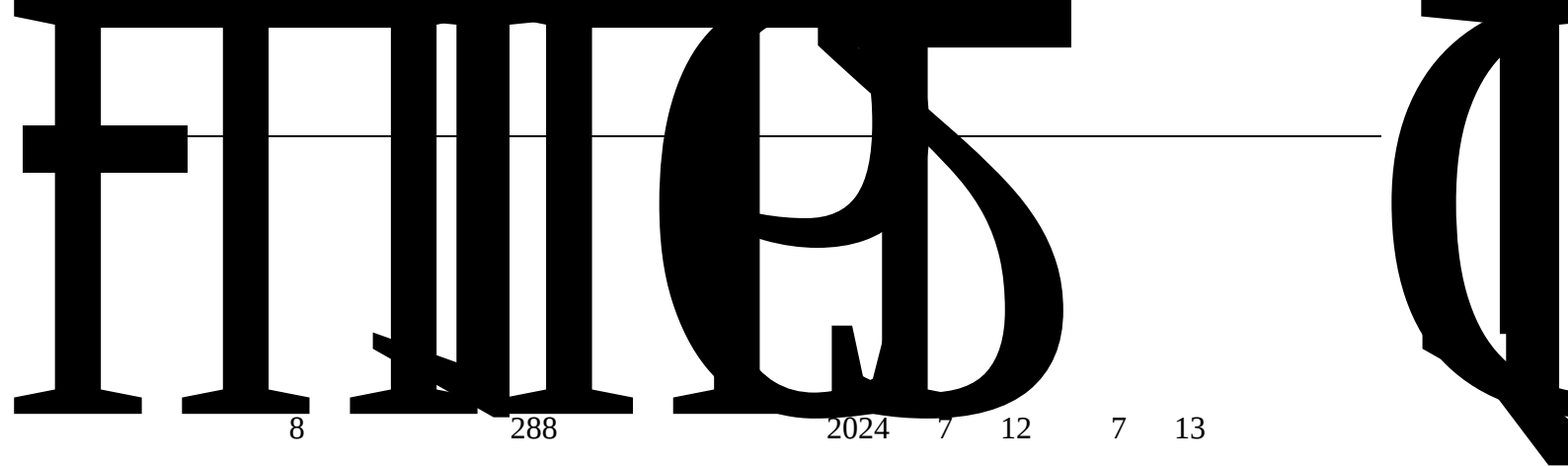
	AUW120D/	IE-0023	/2023.12.02-2024.12.01
1	BSLT-HWS/	IE-0010	/2023.12.02-2024.12.01
	GH-60E/	IE-0206	/2024.
2			

6		CHC-100/	IE-0084	/2024.04.19-2025.04.18
---	--	----------	---------	------------------------



10%

10%



8

288

2024

7

12

7

13

9.2-1

GB 201906-2008

2

15m

9.2-2

SO₂ NO_x

DB61/1226-2018

3

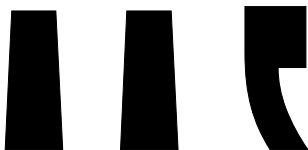
(GB13271-2014)

2

9.2-3

9.2-4

GB12348-2008 3



1

COD BOD₅ SS

2

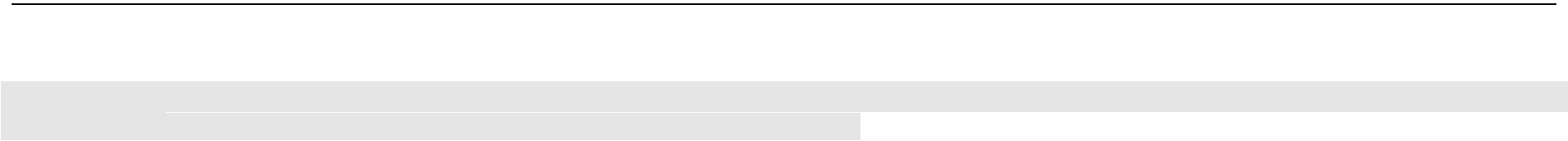
15

30t

UV

CVA

2024 07 12 ~13



mg/L										
mg/L	12	11	14	12	76.92	10	11	14	12	77.78
mg/L	0.410	0.460	0.383	0.418	98.48	0.460	0.360	0.493	0.438	98.27
mg/L	1.59	1.41	1.50	1.50	96.01	1.22				

										/	/
		109.3	112.7	113.9	112.0	101.9	111.7	122.5	112.0	/	/
m/s		5.83	5.88	5.98	5.90	5.91	5.95	6.01	5.96	/	/
%		2.6	3.3	3.9	3.3	3.3	2.8	4.0	3.4	/	/
%		5.0	5.0	5.1	5.0	5.3	5.2	5.2	5.2	/	/
m³/h		3337	3366	3423	3375	3383	3406	3440	3410	/	/
m³/h		2025	2024	2050	2033	2095	2056	2019	2057	/	/
	mg/m³	1.1	1.5	1.3	1.3	1.1	1.4	1.2	1.2	/	/
	mg/m³	1.0	1.5	1.3	1.3	1.1	1.3	1.2	1.2	10	
	kg/h	2.23×10 ⁻³	3.04×10 ⁻³	2.66×10 ⁻³	2.64×10 ⁻³	2.30×10 ⁻³	2.88×10 ⁻³	2.42×10 ⁻³	2.53×10 ⁻³	/	/
	mg/m³	3ND	3ND	3ND	3ND	3ND	3ND	3ND	3ND	/	/
	mg/m³	3ND	3ND	3ND	3ND	3ND	3ND	3ND	3ND	20	
	kg/h	/	/	/	/	/	/	/	/	/	/
	mg/m³	26	24	20	23	28	25	28	27	/	/
	mg/m³	25	24	20	23	28	24	29	27	50	
	kg/h	0.0526	0.0486	0.0410	0.0474	0.0587	0.0514	0.0565	0.0555	/	/
		<1	<1	<1	<1	<1	<1	<1	<1	<1	/

9.2-2		SO ₂ NO _x	
	DB61/1226-2018	3	
	(GB13271-2014)	2	
2			
	1	3	
	H ₂ S NH ₃		
9.2-3			

2024 07 12 ~13

4

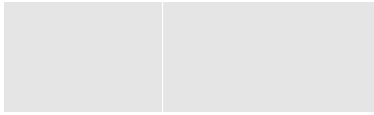
9.2-4

1#

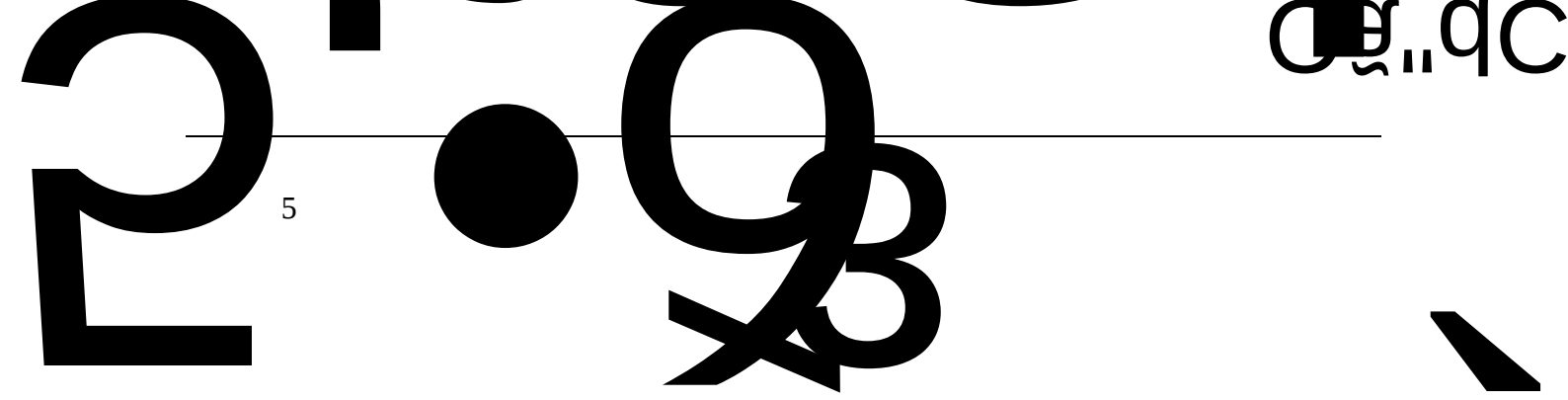
55

56

9.2-5



	SO ₂	NO _x
DB61/1226-2018	3	
(GB13271-2014)	2	
GB 16297-1996		2
GB14554-93		1
	2	
	1	
		SO ₂ NO _x
DB61/1226-2018	3	
(GB13271-2014)	2	
	2	
201906-2008	2	
	3	
		GB
		GB12348-2008
		3
	4	



GB 3096-2008

2019-611026-27-03-026914

109 5 45
3

