

1	.....	1
2	.....	2
2.1	.....	2
2.2	.....	2
2.3	.....	2
3	.....	3
3.1	.....	3
3.2	.....	5
3.3	.....	7
3.4	.....	9
4	.....	10
4.1	.....	10
4.2	.....	12
4.3	.....	13
4.4	..... “ ” .....	14
5	.....	18
5.1	.....	18
5.2	.....	19
6	.....	22
6.1	.....	22
6.2	.....	0

1

5

422;

4232 5 52

366

342

"

:83 "

"

"

3;:8

4238

4239 9

423: ;

4238

33 43

ö

4238 :2 ö

2017) 4

423; 5

2

2.1

2015 1 1

2016 9 1

2016 1 1

(5) 1997 3

(6) 682 2017 10 1

(7)

2017) 4 2017 11 20

(8)

[2018] 26 2018. 3. 2

(9)

2015 113 2015 12 30

2.2

3

]423: _; 423:07037

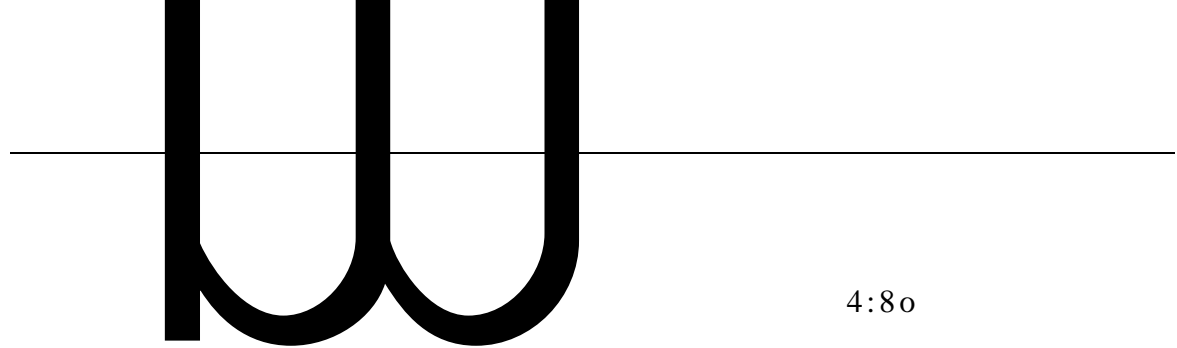
2.3

3

42380;

4

4238 :2 4238033043



35: o

496o

4:8o

3822o

432o

72: o

439o

572o

542o

672o

382o

3 3507× 522o

48

74

4 5222o⁵

;4%

3 4222o⁵

;7%

5 7222o⁵

2%

3 7222o⁵

3 4222o⁵

502 o⁵

7 8

372o⁴

2037o

44932o⁴

322o

m

3-1

1		4	5000m ³ D 19.5m h 17.84m		
		2	3000m ³ D 17.00m h 15.84m		8
		2	2000m ³ D 14.5m h 13.86m		
2			100GY25B		18
3			150GY40		4
4			PU-001A-C		4
5			1000m ³		2
6			560KW		1
7			500kVA		1
8					1
9					1
10					1
11			DN100, 85m ³ /h		8

3.2



3-2

	3		$0.8 \times 10^4 \text{ m}^3$	92#	2
3000 m^3	95#	1	2000 m^3		
0#		3	5000 m^3		$1.5 \times 10^4 \text{ m}^3$
	1	5000			$0.5 \times 10^4 \text{ m}^3$
	1	2000 m^3			$0.2 \times 10^4 \text{ m}^3$
			1		
			111m	70m	1.0m
7770 m^3					
					1064.53m
	3		200m		
450m					
		450m		1	
300m x 6.0m				3.7m	
	26				52
	DN100				
DN250		3			



2

312m x 2.0m

11.5m

26

DN100

DN250

4

92#

95#

1

4

1

1

1

1

30mB

2

2

1

3

2

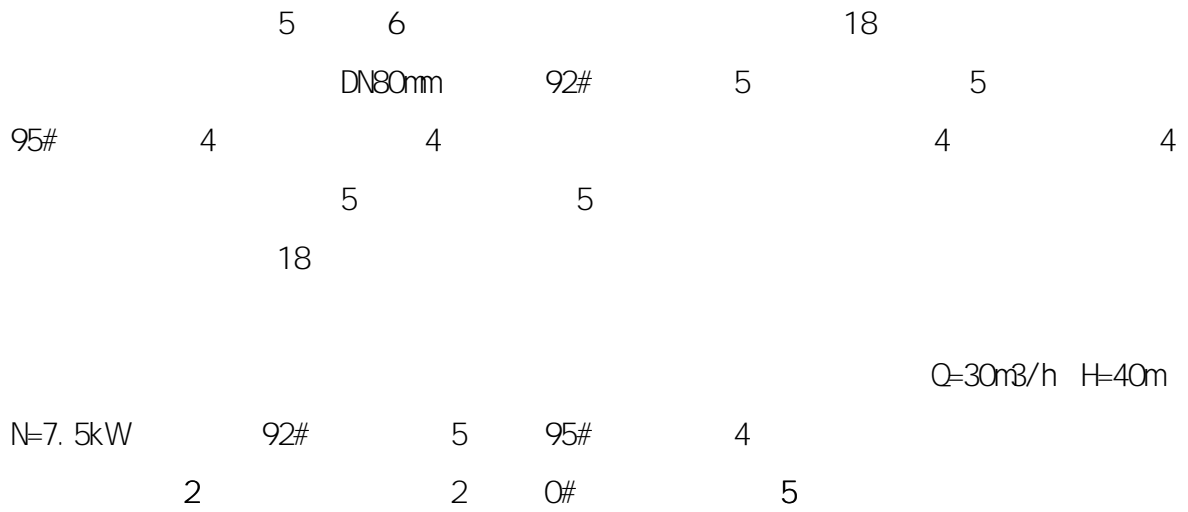
92# 95#

0#

3-3

		m ³		m ³	
1	92#	6000	2	2× 3000	17m H15. 84m
2	95#	2000	1	1× 2000	14. 5m H13. 86m
3	0#	50000	3	3× 5000	19. 5m H17. 84m
4		5000	1	1× 5000	19. 5m H17. 84m
5		2000	1	1× 2000	14. 5m H13. 86m

3



4

4.1

4.1.1

160m

160m

30

30

30-60m

30m

30m

200m

A

:

B

904

57

C

D

TS1328

Terophon -123WF

4.1.2

4.1.3

2014 11 18

" " /

80/80dB

4.2

4.3

1

10g/m³ 30m³/h
Q/SH0117-2007 180m³/h 1.0
180m³/h 200m³/h
5.8 m³ 365 1
1.0t/a 5m
200m³/h
95 98

2

1.5%

" "

" "

90%

4.4

“ ”

32:72034

3454

33057

3454

33057

4-1

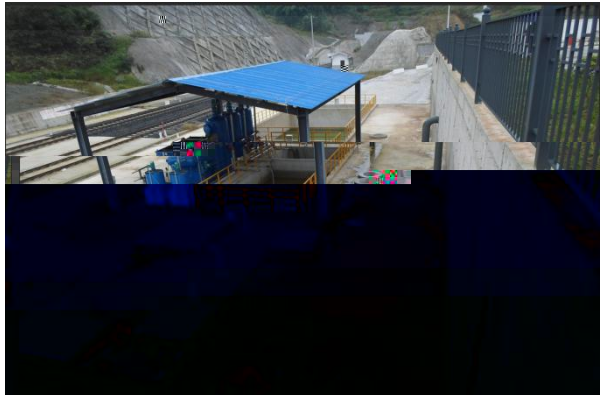
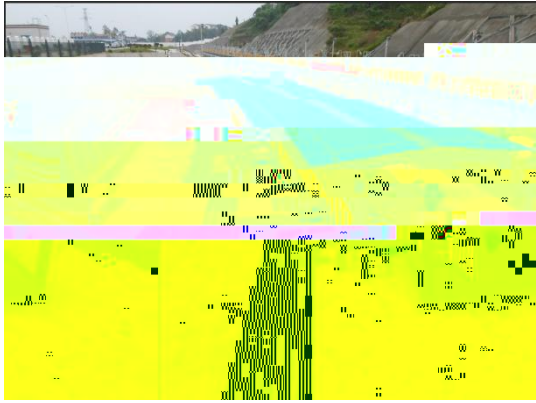
50.00

50m³

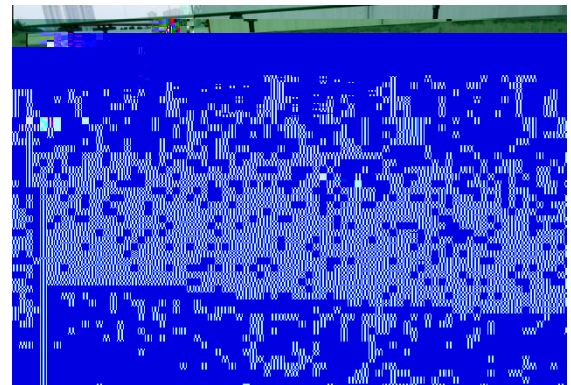
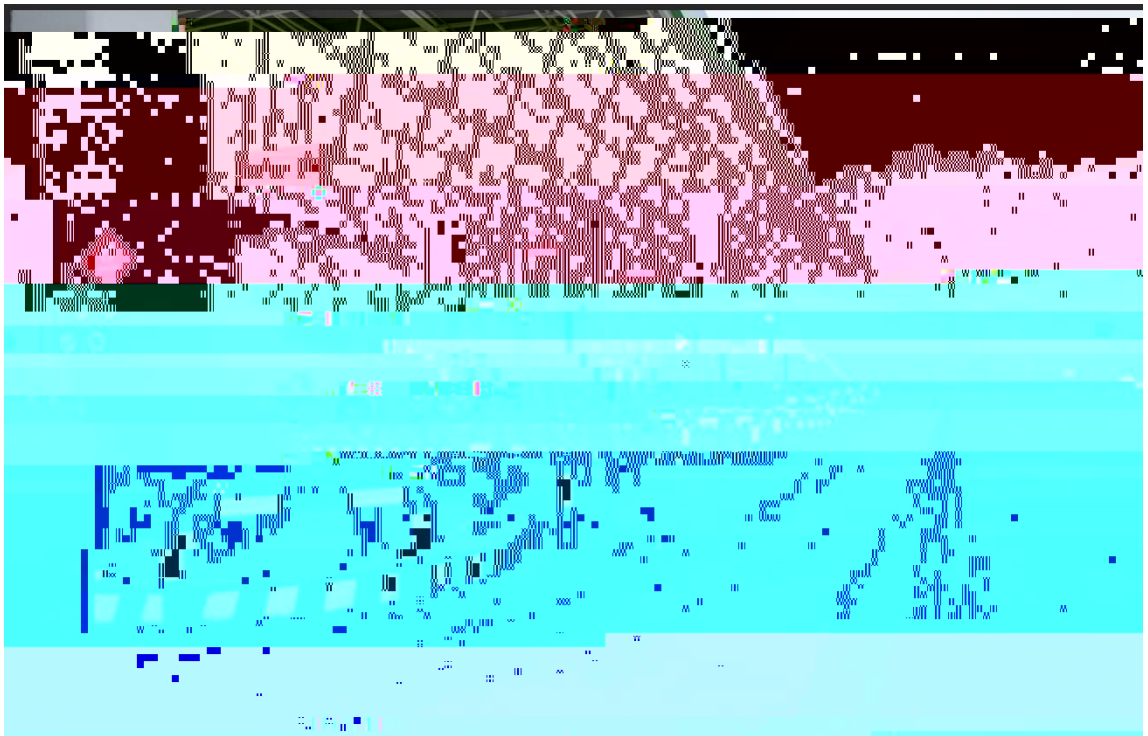
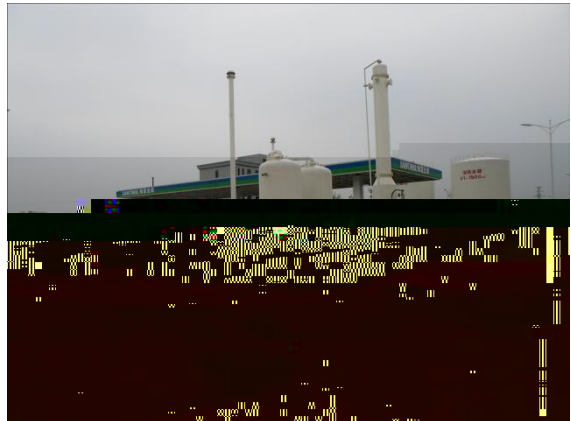
62.00

90%

200.00



100



5

5.1

1

200

2

450

10850.12

1232

11.35%



5

7

2016. 11. 21

6

6.1

GB12348-2008 3

30m

GB12525-90

7

3

pH

pH

pH

A Leq(dB(A))

4

7-1

7-1		
	3#	2 4
	4#	

7-2

7-2		
	1#	1
	2#	1
	3#	1
	4#	1
		2
		1

7-3

8

8.1

3

4

5

6

4

207fD

7olu

ID3456: 422:

8.2

3

4

5

6

7

8

9

8.3

8-1

9.3

9-3

mg/L

	2019. 3. 04				2019. 3. 05			
	3#							
	JY20190304-03V03(1)	JY20190304-03V03(2)	JY20190304-03V03(3)	JY20190304-03V03(4)	JY20190304-03V03(5)	JY20190304-03V03(6)	JY20190304-03V03(7)	JY20190304-03V03(8)
pH	7.17	7.24	7.26	7.19	7.21	7.25	7.20	7.24
	31	27	30	28	32	30	27	29
	235	237	231	230	229	232	240	228
	4#							
	JY20190304-03V04(1)	JY20190304-03V04(2)	JY20190304-03V04(3)	JY20190304-03V04(4)	JY20190304-03V04(5)	JY20190304-03V04(6)	JY20190304-03V04(7)	JY20190304-03V04(8)
	JY20190304-03V04(1)	JY20190304-03V04(2)	JY20190304-03V04(3)	JY20190304-03V04(4)	JY20190304-03V04(5)	JY20190304-03V04(6)	JY20190304-03V04(7)	JY20190304-03V04(8)
pH	7.46	7.49	7.55	7.48	7.51	7.47	7.53	7.50
	36	39	32	37	34	35	37	38
	255	257	254	259	260	251	253	250
	62	66	56	61	64	62	58	60
	96.7	98.2	99.2	95.2	97.2	94.2	96.2	100

9-4

mg/L

	1#		2#	
	2019. 3. 04	2019. 3. 05	2019. 3. 04	2019. 3. 05
	JY20190304-03V01(1)	JY20190304-03V01(2)	JY20190304-03V02(1)	JY20190304-03V02(2)
	JY20190304-03V01(1)	JY20190304-03V01(2)	JY20190304-03V02(1)	JY20190304-03V02(2)
pH	7.66	7.61	7.92	7.89
	26	29	24	26
	0.06	0.05	0.04	0.03

GB14848-2017

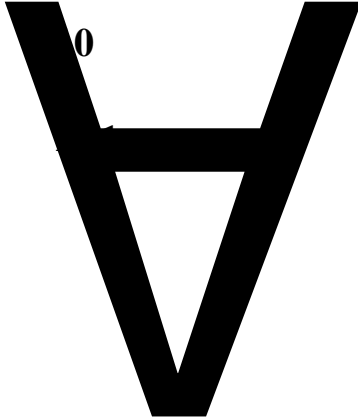
9.4

9-5

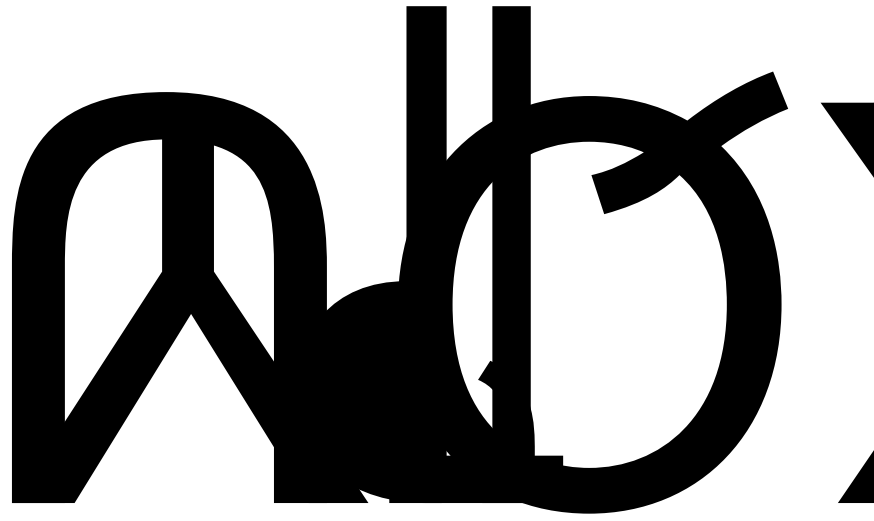
mg/m³

		2019. 3. 04				2019. 3. 05			
		1#				5m			
JY20190304-03001(1)	JY20190304-03001(2)	JY20190304-03001(3)	JY20190304-03001(4)	JY20190304-03001(5)	JY20190304-03001(6)	JY20190304-03001(7)	JY20190304-03001(8)		
0.91	1.04	1.00	1.01	0.93	0.99	1.05	1.06		
		2#				5m			
JY20190304-03002(1)	JY20190304-03002(2)	JY20190304-03002(3)	JY20190304-03002(4)	JY20190304-03002(5)	JY20190304-03002(6)	JY20190304-03002(7)	JY20190304-03002(8)		
0.96	1.02	1.11	0.98	1.06	1.09	1.08	1.10		
		3#				5m			
JY20190304-03003(1)	JY20190304-03003(2)	JY20190304-03003(3)	JY20190304-03003(4)	JY20190304-03003(5)	JY20190304-03003(6)	JY20190304-03003(7)	JY20190304-03003(8)		
1.04	1.06	1.13	1.03	1.03	1.06	1.04	1.04		

ID384;9/3;;8



10.2



10.3 0

32/3

32/3

22: 00-6: 00
12: 00-14: 00



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534

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40: : '

ID3456:/422: 5

8

9 “ HSE ”

