



---

500

|     |           |       |
|-----|-----------|-------|
| 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 | .....     | III = |

---

**1**

3

2009

2010 3 30

144

120

“

861 ”

“

”

1986

2016

2017 7

2018 9

2016

11 21

ñ

2016 80 ò

2017)4

2019 3

---

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

|   |  |         |           |  |  |  |  |  |  |
|---|--|---------|-----------|--|--|--|--|--|--|
| 1 |  |         |           |  |  |  |  |  |  |
|   |  | [2018]9 | 2018.5.15 |  |  |  |  |  |  |

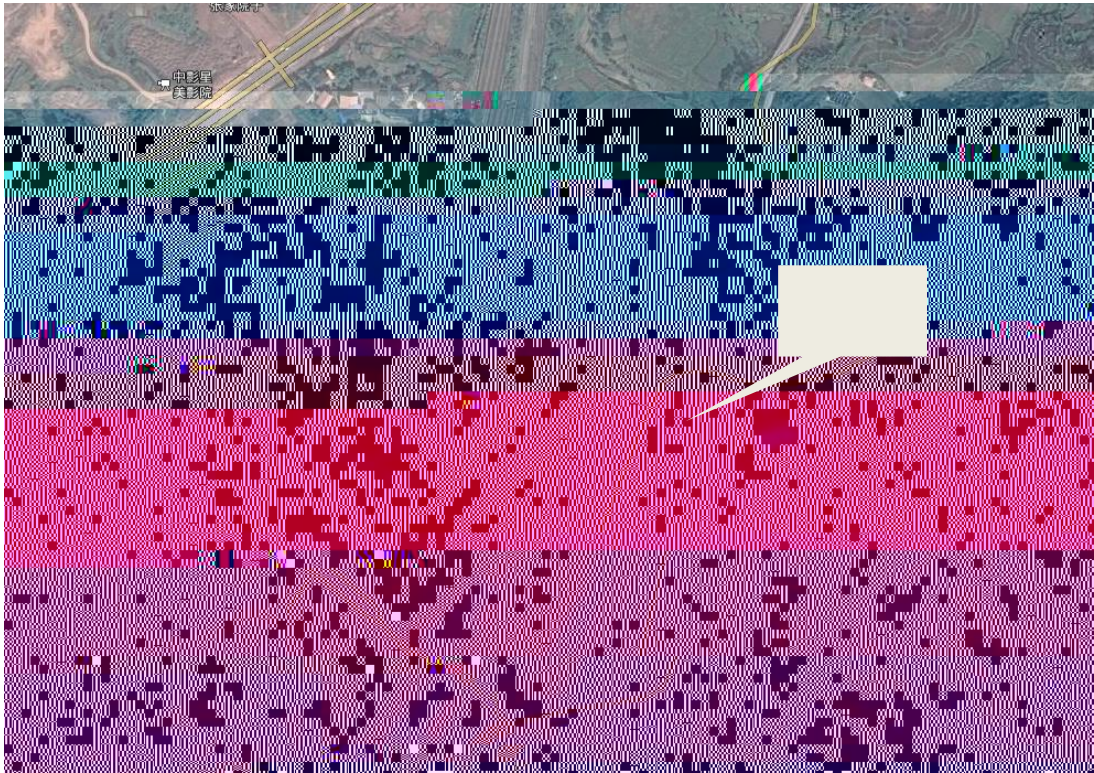
2.3

|   |  |  |  |        |    |            |  |  |  |
|---|--|--|--|--------|----|------------|--|--|--|
| 1 |  |  |  |        |    |            |  |  |  |
|   |  |  |  | 2016.9 |    |            |  |  |  |
| 2 |  |  |  |        |    |            |  |  |  |
|   |  |  |  | 2016   | 80 | 2016.11.21 |  |  |  |

3

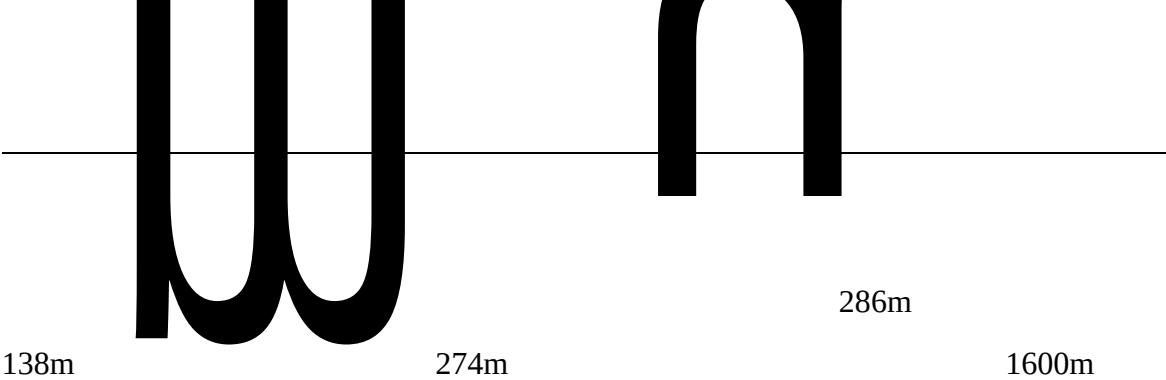
3.1

3



3

30km,  
2.0km                      0.8km                      410m  
460m                      630m  
50m  
100m                      102m  
                                 214m                      323m  
                                 319m                      320m  
50                                              350m  
195m



160m 450m

1 13.5 × 300m 26 52

2 3000m<sup>3</sup> 92# 1 2000m<sup>3</sup>  
95# 3 5000m<sup>3</sup> 0# 1 5000m<sup>3</sup>  
1 2000m<sup>3</sup>

3.0 m<sup>3</sup> 5 6 150m<sup>2</sup>

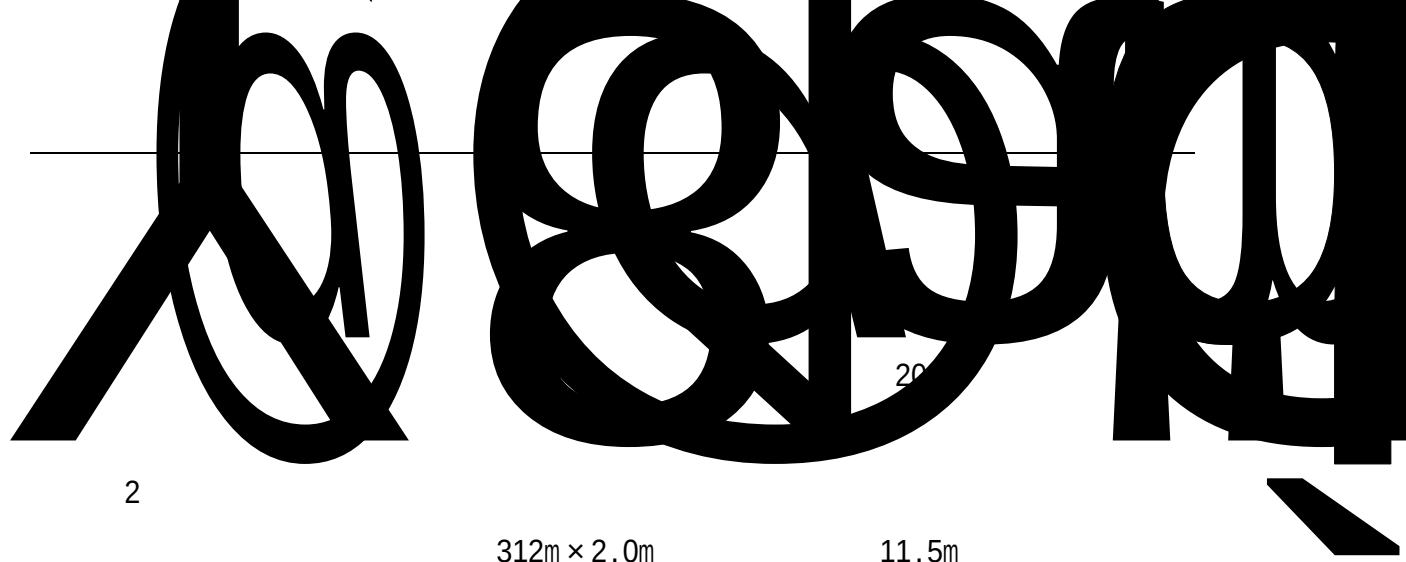
0.15m 22710m<sup>2</sup>  
100m 4m

|    |  |             |                                                                                |    |
|----|--|-------------|--------------------------------------------------------------------------------|----|
|    |  |             |                                                                                |    |
| 1  |  | 4<br>2<br>2 | 5000m³ D 19.5m h 17.84m<br>3000m³ D 17.00m h 15.84m<br>2000m³ D 14.5m h 13.86m | 8  |
| 2  |  |             | 100GY25B                                                                       | 18 |
| 3  |  |             | 150GY40                                                                        | 4  |
| 4  |  |             | PU-001A-C                                                                      | 4  |
| 5  |  |             | 1000m³                                                                         | 2  |
| 6  |  |             | 560KW                                                                          | 1  |
| 7  |  |             | 500kVA                                                                         | 1  |
| 8  |  |             |                                                                                | 1  |
| 9  |  |             |                                                                                | 1  |
| 10 |  |             |                                                                                | 1  |
| 11 |  |             | DN100 , 85m³ /h                                                                | 8  |
|    |  |             |                                                                                |    |

### 3-2

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





2

312m × 2.0m

11.5m

26

DN100

DN250

4

92#

95#

1

4

1

1

1

1

30m3

2

2

1

→

→

→

→

3

→

→

→

→

→

→

2

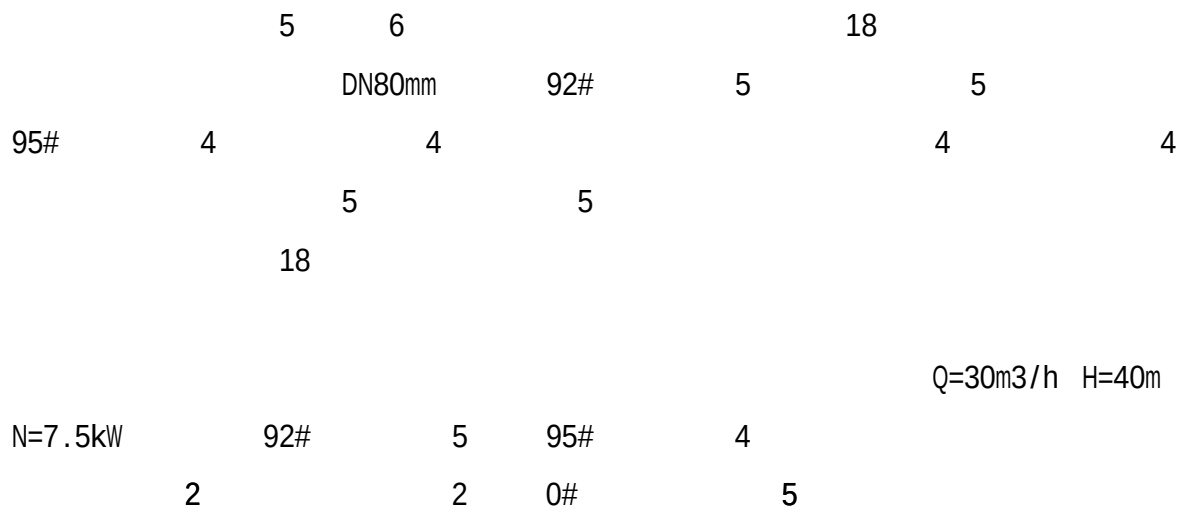
92# 95#

0#

**3-3**

|   |     | m <sup>3</sup> |   | m <sup>3</sup> |                  |
|---|-----|----------------|---|----------------|------------------|
| 1 | 92# | 6000           | 2 | 2 × 3000       | Φ 17m, H15.84m   |
| 2 | 95# | 2000           | 1 | 1 × 2000       | Φ 14.5m, H13.86m |
| 3 | 0#  | 50000          | 3 | 3 × 5000       | Φ 19.5m, H17.84m |
| 4 |     | 5000           | 1 | 1 × 5000       | Φ 19.5m, H17.84m |
| 5 |     | 2000           | 1 | 1 × 2000       | Φ 14.5m, H13.86m |

**3**



---

## 4

### 4.1

#### 4.1.1

160m

160m

30

30

30~60m

30m

30m

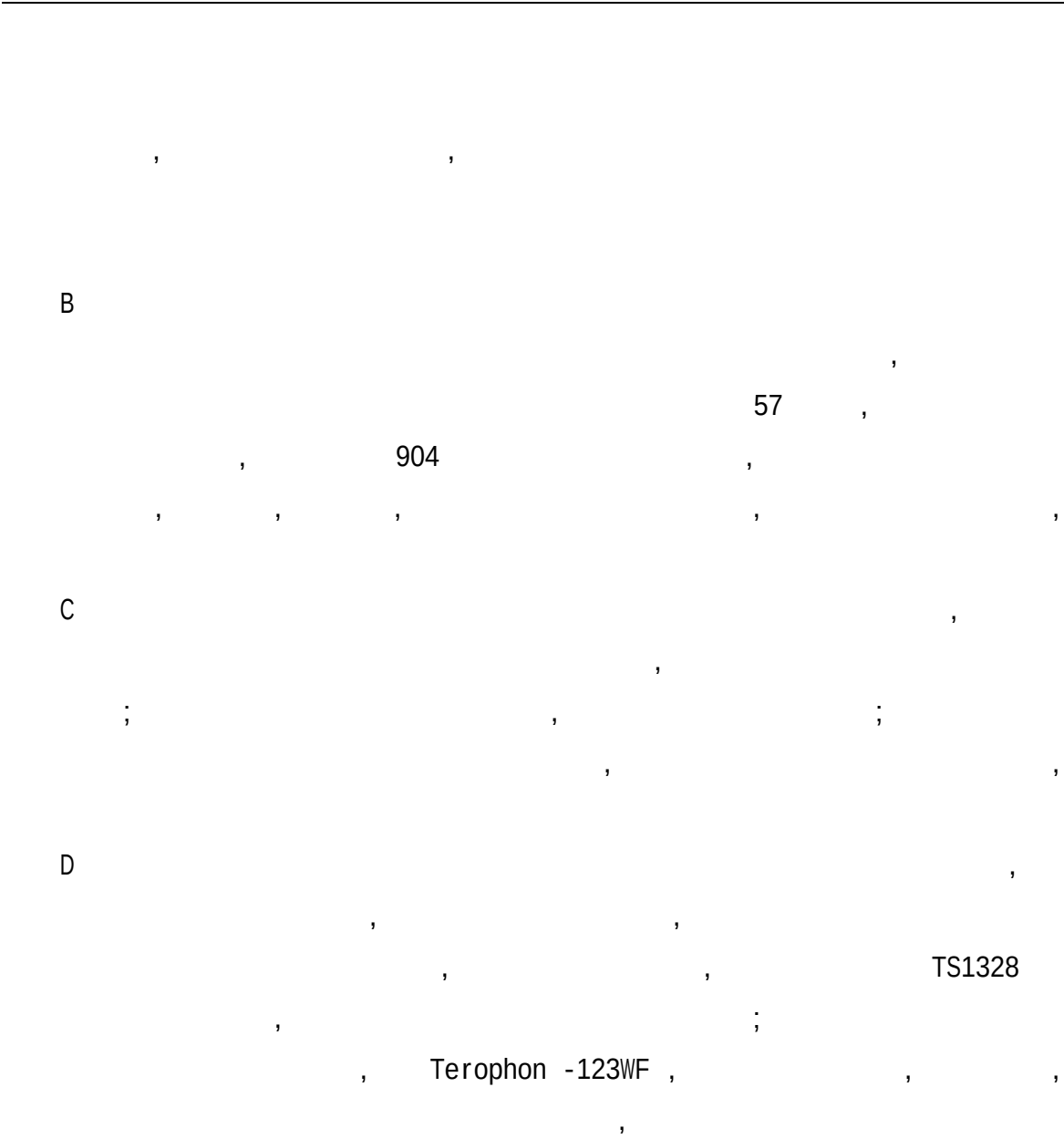
200m

A

,

,

:



---

#### 4.1.3

2014 11 18

“ ” /

80/80dB

#### 4.2

4.3

1

|               |                      |                      |                      |
|---------------|----------------------|----------------------|----------------------|
|               | 10g/m <sup>3</sup>   | 30m <sup>3</sup> /h  |                      |
| Q/SH0117-2007 |                      | 180m <sup>3</sup> /h | 1.0                  |
|               | 180m <sup>3</sup> /h |                      | 200m <sup>3</sup> /h |
| 5.8           | m <sup>3</sup>       | 365                  | 1                    |
|               | 1.0t/a               |                      | 5m                   |
|               |                      |                      | 200m <sup>3</sup> /h |
|               | ≥ 95                 | ≥ 98                 |                      |

2

1.5%

“ ”

“ ”

90%

4.4

“ ”

10850.12

1232

11.35

1232

11.35

4-1

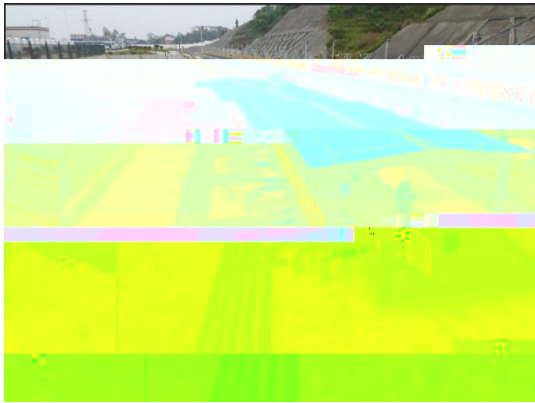
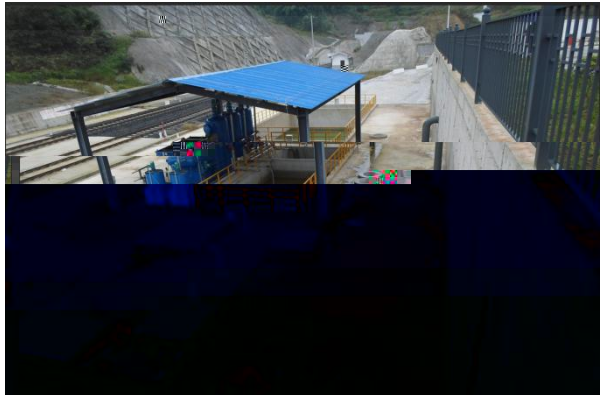
50.00

50m3

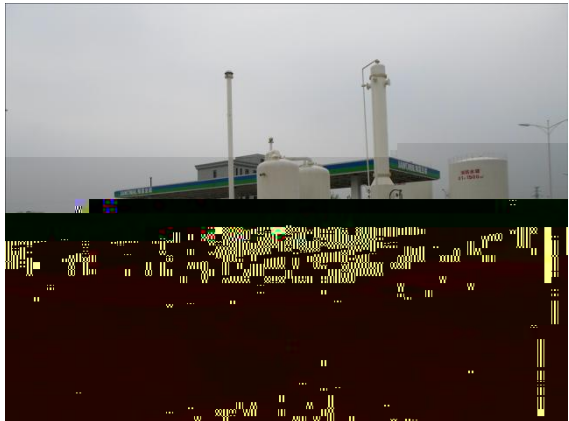
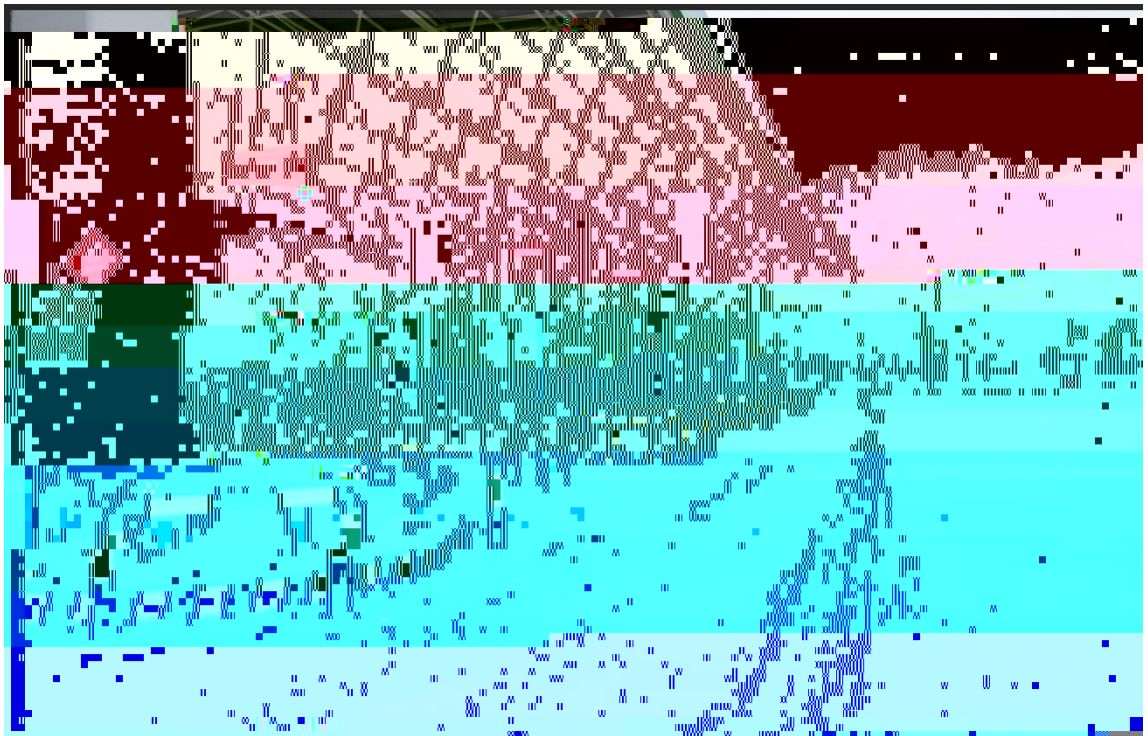
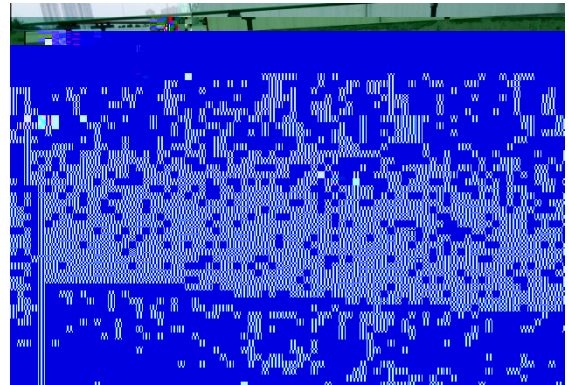
62.00

90%

200.00



100





---

5

5.1

1

—

97 Q7

Q7 37

Q8 402.11m 20 Q1 365.88m

328.33 330.12m

Q8 Q1 132

20

3

30km/h 220m

GB3096-2008 3

(GB12348-2008)3 [

<65dB(A) <55dB(A)]

5.2

2016 11 21 2016 80

3 235

3 m<sup>3</sup> 2 3000m<sup>3</sup> 1 2000m<sup>3</sup> 0.8 m<sup>3</sup> 3

5000m<sup>3</sup> 1.5 m<sup>3</sup> 1 0.5 m<sup>3</sup> 1

0.2 m<sup>3</sup> 20

1064.5 3

---

200

2

450

10850.12

1232

11.35%

---

5

7

2016.11.21

---

## 6

### 6.1

GB12348-2008 3

30m

GB12525-90

7

1

pH  
pH

pH

A      Leq(dB(A))

2

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

| 7-2 |           |        |
|-----|-----------|--------|
|     |           |        |
|     | 1#      1 | 2<br>1 |
|     | 2#      1 |        |
|     | 3#      1 |        |
|     | 4#      1 |        |

7-3

---

## 8

### 8.1

1

2

3

,

4

2

0.5dB

5m/s

GB12348 2008

### 8.2

1

2

3

4

5

6

7

---

**8.3**

**8-1**

## 9

### 9.1

0.2 m<sup>3</sup> 3.0 m<sup>3</sup> 0.8 m<sup>3</sup> 1.5 m<sup>3</sup> 0.5 m<sup>3</sup>  
20 /

75%  
30000m<sup>3</sup> 8 5000m<sup>3</sup> 4 3000m<sup>3</sup>  
2 2000 2  
2019 3 4 5

9-1

9-1

|          |  | /   | /    | %    |
|----------|--|-----|------|------|
| 2019 3 4 |  | 555 | 176  | 32   |
| 2019 3 5 |  | 555 | 82.3 | 14.8 |

### 9.2

2019 3 4 5 5m/s

9-2

dB(A)

|    |   | 2019.3.04 |      | 2019.3.05 |      |
|----|---|-----------|------|-----------|------|
|    |   |           |      |           |      |
| 1# | 1 | 55.7      | 44.4 | 55.9      | 44.7 |
| 2# | 1 | 57.7      | 45.6 | 57.7      | 45.7 |
| 3# | 1 | 54.5      | 44.4 | 55.5      | 44.5 |
| 4# | 1 | 53.1      | 43.6 | 52.4      | 43.5 |

## 9.3

9-3

mg/L

|    | 2019.3.04               |                         |                         |                         | 2019.3.05               |                         |                         |                         |
|----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|    | 3#                      |                         |                         |                         |                         |                         |                         |                         |
|    | JY20190304<br>-03W03(1) | JY20190304<br>-03W03(2) | JY20190304<br>-03W03(3) | JY20190304<br>-03W03(4) | JY20190304<br>-03W03(5) | JY20190304<br>-03W03(6) | JY20190304<br>-03W03(7) | JY20190304<br>-03W03(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<br>-03W04(1) | JY20190304<br>-03W04(2) | JY20190304<br>-03W04(3) | JY20190304<br>-03W04(4) | JY20190304<br>-03W04(5) | JY20190304<br>-03W04(6) | JY20190304<br>-03W04(7) | JY20190304<br>-03W04(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           |                     | 2019.3.04           |                     |
|    | JY20190304-03W01(1) | JY20190304-03W01(2) | JY20190304-03W02(1) | JY20190304-03W02(2) |
| pH | 7.66                | 7.61                | 7.92                | 7.89                |
|    | 26                  | 29                  | 24                  | 26                  |
|    | 0.06                | 0.05                | 0.04                | 0.03                |

GB14848-2017

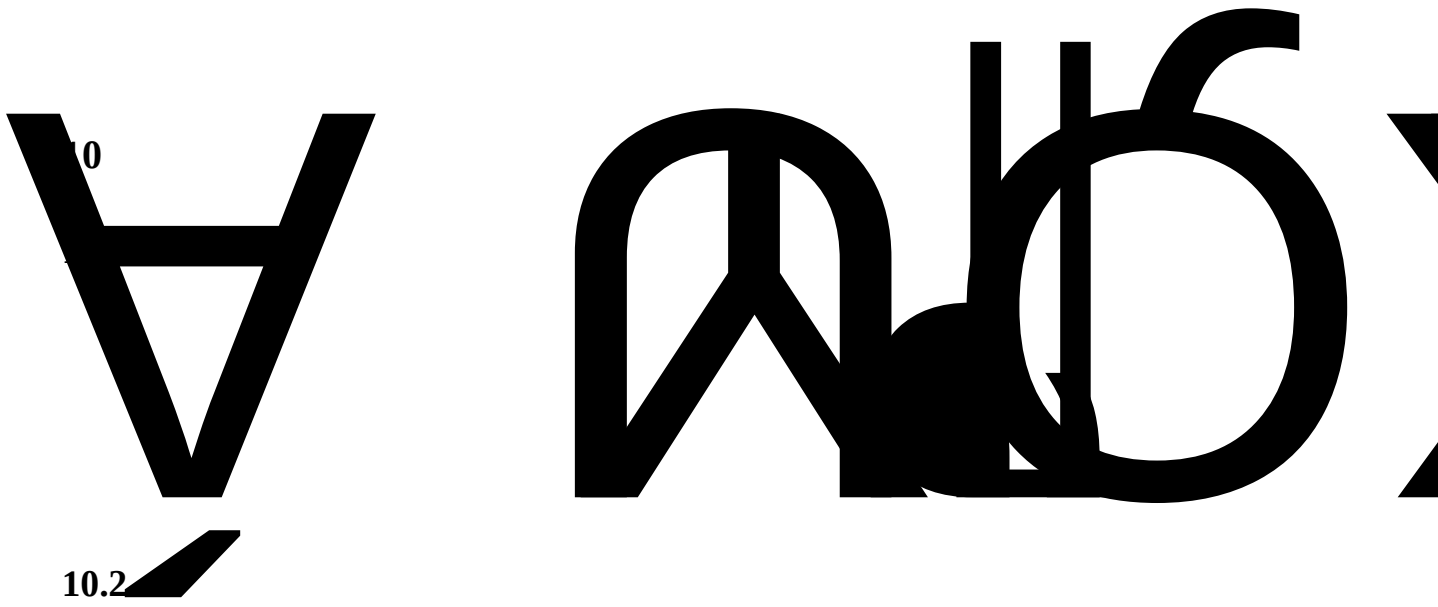
## 9.4

9-5

mg/m<sup>3</sup>

|  | 2019.3.04               |                         |                         |                         | 2019.3.05               |                         |                         |                         |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|  | 1#                      |                         |                         |                         | 5m                      |                         |                         |                         |
|  | JY20190304<br>-03Q01(1) | JY20190304<br>-03Q01(2) | JY20190304<br>-03Q01(3) | JY20190304<br>-03Q01(4) | JY20190304<br>-03Q01(5) | JY20190304<br>-03Q01(6) | JY20190304<br>-03Q01(7) | JY20190304<br>-03Q01(8) |
|  | 0.91                    | 1.04                    | 1.00                    | 1.01                    | 0.93                    | 0.99                    | 1.05                    | 1.06                    |
|  | 2#                      |                         |                         |                         | 5m                      |                         |                         |                         |
|  | JY20190304<br>-03Q02(1) | JY20190304<br>-03Q02(2) | JY20190304<br>-03Q02(3) | JY20190304<br>-03Q02(4) | JY20190304<br>-03Q02(5) | JY20190304<br>-03Q02(6) | JY20190304<br>-03Q02(7) | JY20190304<br>-03Q02(8) |
|  | 0.96                    | 1.02                    | 1.11                    | 0.98                    | 1.06                    | 1.09                    | 1.08                    | 1.10                    |
|  |                         |                         |                         |                         |                         |                         |                         |                         |
|  | 3#                      |                         |                         |                         | 5m                      |                         |                         |                         |
|  | JY20190304<br>-03Q03(1) | JY20190304<br>-03Q03(2) | JY20190304<br>-03Q03(3) | JY20190304<br>-03Q03(4) | JY20190304<br>-03Q03(5) | JY20190304<br>-03Q03(6) | JY20190304<br>-03Q03(7) | JY20190304<br>-03Q03(8) |
|  | 1.04                    | 1.06                    | 1.13                    | 1.03                    | 1.03                    | 1.06                    | 1.04                    | 1.04                    |
|  |                         |                         |                         |                         |                         |                         |                         |                         |

GB16297-1996

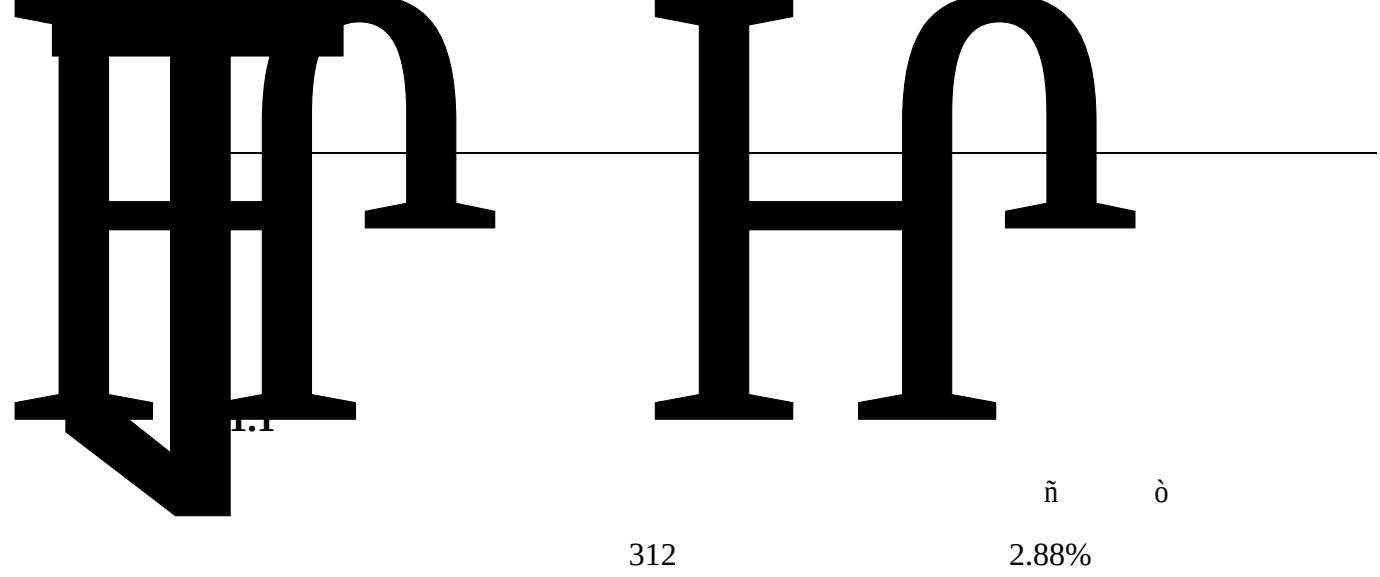


10.3h<sup>0</sup>

10-1

10-1

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



GB12348-2008 3

---

8

9 “ HSE ”

“ ”

/

■ □ □ /  
3.0 m3 0.8 m3  
1.5 m3 0.5 m3 0.2 m3  
20 /

/

/

/

/

/

10850.12