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\_\_\_\_\_ 2020 6 2 \_\_\_\_\_

: \_\_\_\_\_ 2020 6 2 \_\_\_\_\_

2020 6

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|          |       |           |
|----------|-------|-----------|
|          | ..... | <b>1</b>  |
| <b>1</b> | ..... | <b>3</b>  |
| 1.1      | ..... | 3         |
| 1.2      | ..... | 3         |
| 1.3      | ..... | 4         |
| 1.4      | ..... | 4         |
| 1.5      | ..... | 6         |
| 1.6      | ..... | 7         |
| <b>2</b> | ..... | <b>8</b>  |
| 2.1      | ..... | 8         |
| 2.2      | ..... | 13        |
| 2.3      | ..... | 16        |
| 2.4      | ..... | 17        |
| <b>3</b> | ..... | <b>23</b> |
| 3.1      | ..... | 23        |
| 3.2      | ..... | 24        |
| 3.3      | ..... | 34        |
| 3.4      | ..... | 35        |
| 3.5      | ..... | 56        |
| <b>4</b> | ..... | <b>60</b> |
| 4.1      | ..... | 60        |

|          |       |           |
|----------|-------|-----------|
| 4.2      | ..... | 60        |
| 4.3      | ..... | 61        |
| 4.4      | ..... | 63        |
| <b>5</b> | ..... | <b>63</b> |
| 5.1      | ..... | 63        |
| 5.2      | ..... | 65        |
| 5.3      | ..... | 67        |
| 5.4      | ..... | 68        |
| 5.5      | ..... | 68        |
| <b>6</b> | ..... | <b>70</b> |
| 6.1      | ..... | 70        |
| 6.2      | ..... | 70        |
| 6.3      | ..... | 71        |
| 6.4      | ..... | 72        |
| 6.5      | ..... | 73        |
| <b>7</b> | ..... | <b>77</b> |
| 7.1      | ..... | 77        |
| 7.2      | ..... | 77        |
| 7.3      | ..... |           |

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|           |       |           |
|-----------|-------|-----------|
| 8.1       | ..... | 86        |
| 8.2       | ..... | 86        |
| 8.3       | ..... | 86        |
| 8.4       | ..... | 88        |
| 8.5       | ..... | 90        |
| <b>9</b>  | ..... | <b>91</b> |
| 9.1       | ..... | 91        |
| 9.2       | ..... | 91        |
| 9.3       | ..... | 91        |
| <b>10</b> | ..... | <b>92</b> |
| 10.1      | ..... | 92        |
| 10.2      | ..... | 93        |
| <b>11</b> | ..... | <b>95</b> |
| 11.1      | ..... | 95        |
| 11.2      | ..... | 95        |
| 11.3      | ..... | 95        |
| 11.4      | ..... | 96        |
| 11.5      | ..... | 96        |
| <b>12</b> | ..... | <b>97</b> |
| 12.1      | ..... | 97        |
| 12.2      | ..... | 97        |
| 12.3      | ..... | 97        |
| 12.4      | ..... | 97        |

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|           |       |            |
|-----------|-------|------------|
| 12.5      | ..... | 98         |
| 12.6      | ..... | 98         |
| 12.7      | ..... | 98         |
| <b>13</b> | ..... | <b>100</b> |
| 13.1      | ..... | 100        |
| 13.2      | ..... | 100        |
| 13.3      |       |            |

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|           |       |            |
|-----------|-------|------------|
| <b>18</b> | ..... | <b>150</b> |
| 18.1      | ..... | 150        |
| 18.2      | ..... | 150        |
| 18.3      | ..... | 151        |

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1

1.1

1.2

|    |   |            |        |      |
|----|---|------------|--------|------|
| 1  |   | [2014]     | 9      |      |
| 2  |   | 2014       | 12     | 1    |
| 3  |   | 2014       | 12     | 29   |
| 4  |   | 2018       | 1      | 1    |
| 5  |   |            | 2010   | 1 28 |
| 6  |   |            |        | <    |
|    | > | 2019       | 11     | 1    |
| 7  |   |            | 2014   | 12 1 |
| 8  |   |            | [2011] | 35   |
| 9  |   | [2013]     | 101    |      |
| 10 |   |            | 591    |      |
| 11 |   | HJ941-2018 |        |      |
| 12 |   |            |        | 17   |
| 13 |   |            |        | 34   |

[2015]4

[2017]62

2017 5

[2012]13

[2013]81

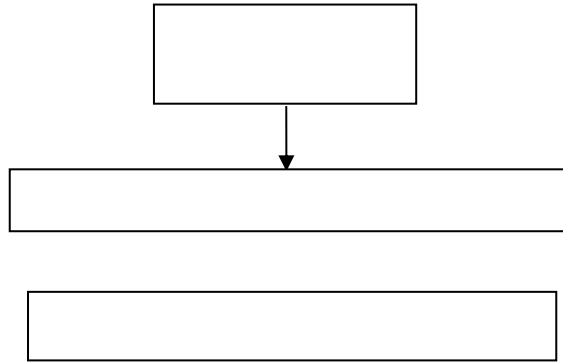
[2015]19

### 1.3

1

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1.4-1



**1.4-1**

2

3

1.4-1

**1.4-1**

|  |  |
|--|--|
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|  |  |
|  |  |

**1.5**

**1.5.1**

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**1.5.2**

**1.5.3**

**1.5.4**

**1.5.5**

**1.6**



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2017 7006

|   |                        |                                  |                        |                        |
|---|------------------------|----------------------------------|------------------------|------------------------|
|   | 273298.5m <sup>2</sup> | 127412.5                         | 60                     | 350d 8400h             |
| 5 | 25                     | 7510 <sup>4</sup> m <sup>3</sup> |                        | 2 100000m <sup>3</sup> |
|   | 2 50000m <sup>3</sup>  |                                  | 1 100000m <sup>3</sup> |                        |
|   | 4 5000m <sup>3</sup>   |                                  | 6 20000m <sup>3</sup>  |                        |
| 2 | 5000m <sup>3</sup>     |                                  | 6 30000m <sup>3</sup>  |                        |
| 1 | 10000m <sup>3</sup>    | 1 10000m <sup>3</sup>            |                        |                        |

2.1-2

2.1-3

**2.1-1**

|   |  |  |           |           |  |  |  |
|---|--|--|-----------|-----------|--|--|--|
|   |  |  |           |           |  |  |  |
| 1 |  |  | 2017 7006 | 2017.5.19 |  |  |  |

**0.1-2**

|  |  |  |   |
|--|--|--|---|
|  |  |  |   |
|  |  |  |   |
|  |  |  | / |

|  |                    |  |                        |
|--|--------------------|--|------------------------|
|  |                    |  |                        |
|  | 0546-8286889       |  | 257000                 |
|  | 91370500MA3CAJKN5L |  | 76                     |
|  |                    |  | 273298.5m <sup>2</sup> |
|  |                    |  | G5941                  |
|  |                    |  | 2016                   |
|  | 118.919            |  | 37.105                 |

### 0.1-3

|  |  |                       |                                            |                     |
|--|--|-----------------------|--------------------------------------------|---------------------|
|  |  |                       |                                            |                     |
|  |  |                       | 2 ǁ ů80000ǁ21800      100000m <sup>3</sup> | 62952m <sup>2</sup> |
|  |  |                       | 2 ǁ ů60000ǁ19350      50000m <sup>3</sup>  |                     |
|  |  |                       | 1 ǁ ů80000ǁ21800      100000m <sup>3</sup> |                     |
|  |  |                       | 4 ǁ ů21000ǁ16500      5000m <sup>3</sup>   | 26656m <sup>2</sup> |
|  |  |                       | 6 ǁ ů42000ǁ17500      20000m <sup>3</sup>  |                     |
|  |  |                       | 6 ǁ ů40000ǁ22000      30000m <sup>3</sup>  | 25152m <sup>2</sup> |
|  |  |                       | 1 ǁ ů30000ǁ16500      10000m <sup>3</sup>  | 4700m <sup>2</sup>  |
|  |  |                       | 1 ǁ ů30000ǁ16500      10000m <sup>3</sup>  |                     |
|  |  |                       | 2 ǁ ů21000ǁ16500      5000m <sup>3</sup>   | 2380m <sup>2</sup>  |
|  |  |                       |                                            |                     |
|  |  | 26.3m <sup>3</sup> /d |                                            |                     |
|  |  |                       |                                            |                     |



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1

5km

**2.1-4**

|    |  |    | m    |     |
|----|--|----|------|-----|
| 1  |  | SW | 4310 | 350 |
| 2  |  | SW | 4570 | 460 |
| 3  |  | SW | 4860 | 320 |
| 4  |  | SW | 3860 | 360 |
| 5  |  | SW | 4280 | 420 |
| 6  |  | SW | 4030 | 160 |
| 7  |  | SW | 3890 | 110 |
| 8  |  | S  | 3520 | 450 |
| 9  |  | SE | 3680 | 650 |
| 10 |  | S  | 4000 | 120 |
| 11 |  | NW | 3300 | --  |
| 12 |  | NW | 350  | 70  |
| 13 |  | SE | 300  | 80  |
| 14 |  | SE | 986  | 60  |
| 15 |  | S  | 1000 | 68  |
| 16 |  | SW | 1530 | 50  |

2

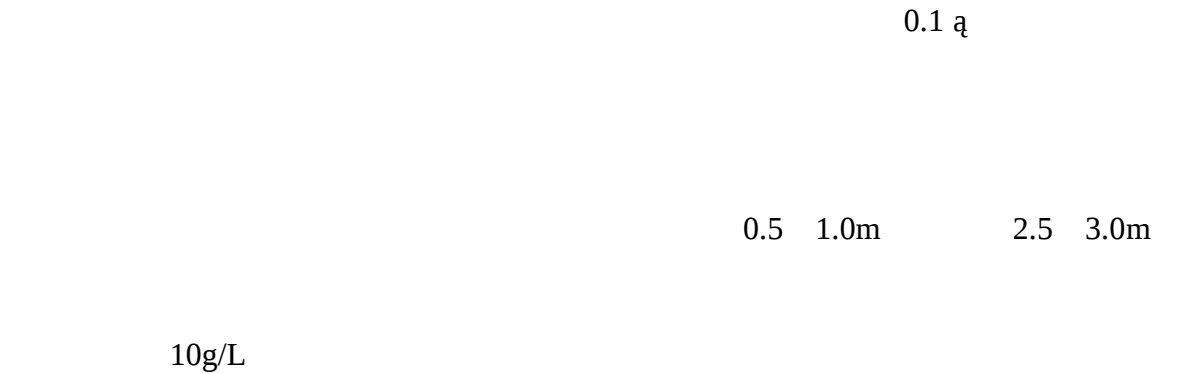
3

2-1.5

2-1.5

|   |  | m    |   |             |
|---|--|------|---|-------------|
| 1 |  | 5100 | S | GB3838-2002 |

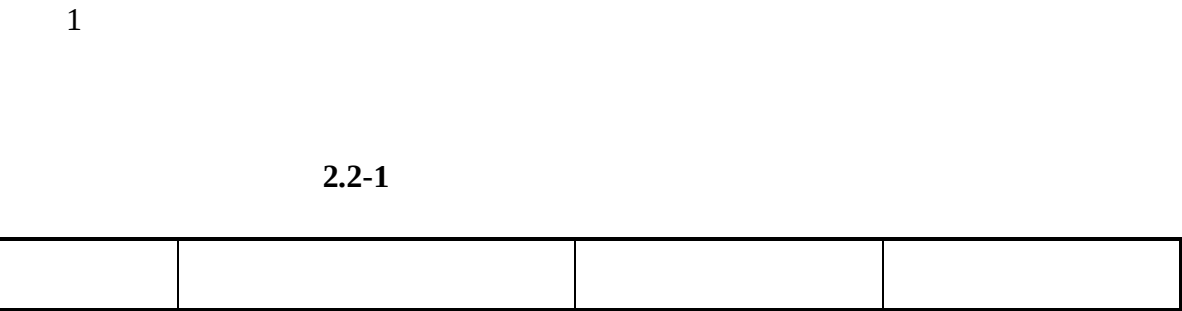
2.2.2



2.2.3



2.2.4



|  |     |     |     |
|--|-----|-----|-----|
|  |     |     | ò ò |
|  | ó ó | V   |     |
|  | ó ó | III | ò ò |
|  | 3   | 3   | ò ò |

2

1

2019 1 11

2018

2.2-2

2018

|                 |                         |                       |  |
|-----------------|-------------------------|-----------------------|--|
|                 | $\text{m}^3/\text{m}^3$ | $\text{g}/\text{m}^3$ |  |
| SO <sub>2</sub> | 18                      | 60                    |  |

3

GB/T14848-2017

4

GB3096-2008

3

5

GB 33600-2018 1

**2.3**

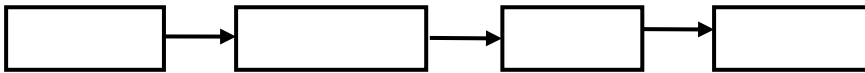
HJ941-2018

1

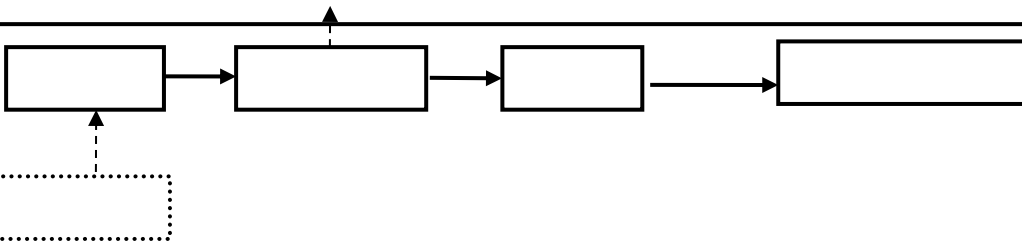


2

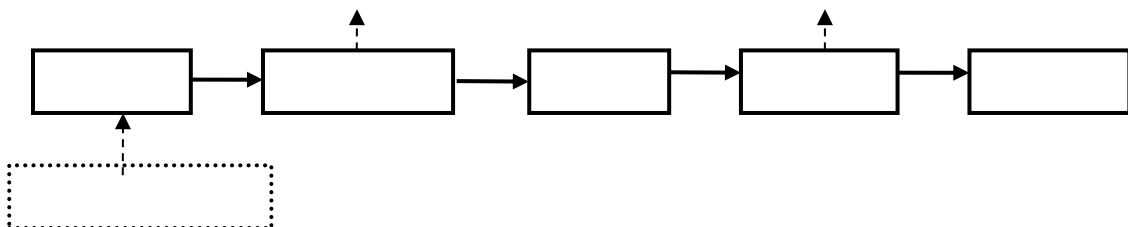
0-2



2.4-1

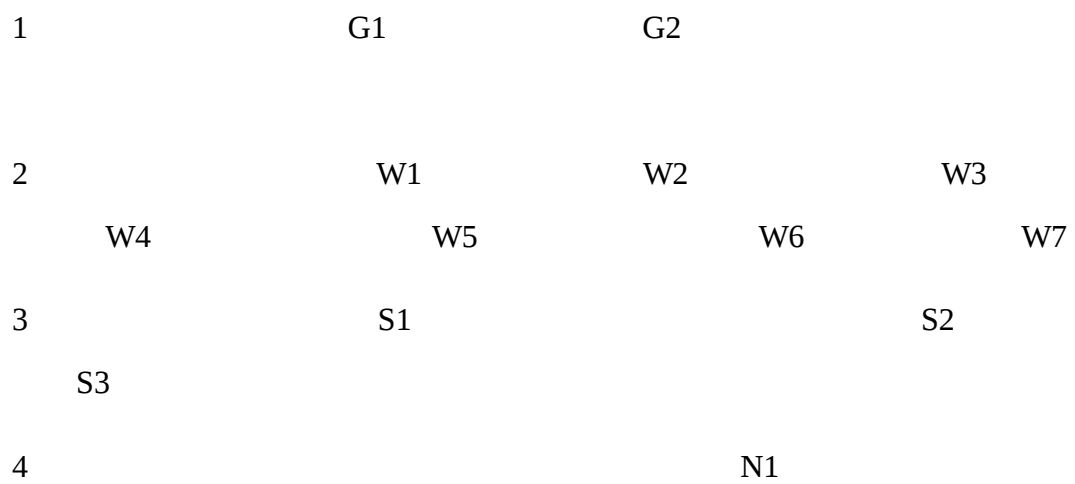


04-1



0-2

## 2.4.2



2.4-1

0-1

|  | G1 |  |  |        | + |  |
|--|----|--|--|--------|---|--|
|  | G2 |  |  |        | + |  |
|  | W1 |  |  | COD SS |   |  |
|  | W2 |  |  | COD SS |   |  |
|  | W3 |  |  | COD SS |   |  |

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|  |    |  |  |  |  |  |
|--|----|--|--|--|--|--|
|  | W4 |  |  |  |  |  |
|  | W5 |  |  |  |  |  |

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|    |  |    |    |   |    |
|----|--|----|----|---|----|
|    |  |    |    |   |    |
| 23 |  | -- | -- | 1 | -- |
| 24 |  | -- | -- | 3 | -- |

## 2.4.5

### 2.4-3 ” ”

|  |                              |          |        |          |   |
|--|------------------------------|----------|--------|----------|---|
|  |                              |          |        |          |   |
|  | m <sup>3</sup> /a            | 22932.95 | 0      | 22932.95 |   |
|  | COD t/a                      | 13.17    | 12.02  | 1.15     |   |
|  | t/a                          | 0.70     | 0.59   | 0.11     |   |
|  | t/a                          | 6.67     | 6.66   | 0.01     |   |
|  |                              | 753      | 682    | 71       |   |
|  |                              | 10.34    | 9.93   | 0.41     | + |
|  |                              | 25.4     | 24.38  | 1.02     |   |
|  |                              | 40.5     | 38.88  | 1.62     | + |
|  | VOCs                         | 829.24   | 755.19 | 74.05    |   |
|  | t/a                          | 10.5     | 10.5   | 0        |   |
|  | t/5a                         | 104.4    | 104.4  | 0        |   |
|  | 80 100dB A<br>GB12348-2008 3 |          |        |          |   |

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**3**

**3.1**

**3.1.1**

**3.1-1**

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

1

### 3.1.2

HJ941-2018

Q

3.1-2

Q

|   |  |                             |  | q t    | q t  | q/Q    |
|---|--|-----------------------------|--|--------|------|--------|
| 1 |  |                             |  | 166500 | 2500 | 66.6   |
| 2 |  |                             |  | 166500 | 2500 | 66.6   |
| 3 |  |                             |  | 94500  | 2500 | 37.8   |
| 4 |  |                             |  | 132840 | 2500 | 53.136 |
| 5 |  |                             |  | 7920   | 10   | 792    |
| 6 |  |                             |  | 7785   | 10   | 778.5  |
| 7 |  |                             |  | 7830   | 10   | 783    |
| 8 |  | $\hat{U}(q_i/Q_i)=2577.636$ |  |        |      |        |

### 3.1.3

## 3.2

### 3.2.1

### 3.2.1.1

1

1

5.1

2

2

1 /

2 /

3

6.0m

$1.0 \times 10^{-7} \text{ cm/s}$

1.5m

$1.0 \times 10^{-7} \text{ cm/s}$

/

/

/

/

2

1

10min 30min

30min

2

(HJ169-2018)

10min

30min

3

10min

10%

10min

30min

3

3.2-1

DNV

Crossthwaiteetal      COVO Study

Canvey

0.9

3.2-1

3.2-1

|                      |       |                         |                         |
|----------------------|-------|-------------------------|-------------------------|
|                      |       |                         |                         |
| 5000m <sup>3</sup>   | 160mm | 6.5×10 <sup>-5</sup> /a | 8.7×10 <sup>-5</sup> /a |
| 100000m <sup>3</sup> | 160mm | 6.5×10 <sup>-5</sup> /a | 8.7×10 <sup>-5</sup> /a |

4

1

1

|                    |                    |                      |                                         |                    |
|--------------------|--------------------|----------------------|-----------------------------------------|--------------------|
|                    |                    |                      | 1                                       | 160mm              |
|                    |                    |                      | 30min                                   |                    |
|                    |                    |                      |                                         | HJ 169-2018        |
| F                  |                    |                      |                                         |                    |
|                    |                    |                      | $C A \sqrt{\frac{(P - P_0)}{\rho g h}}$ |                    |
|                    | ò ò                |                      | kg/s                                    |                    |
|                    | ò ò                |                      | 0.6-0.64                                | 0.62               |
| A ò ò              | m <sup>2</sup>     | 0.02                 | 160mm                                   |                    |
| £ ò ò              | kg/m <sup>3</sup>  | 870                  |                                         |                    |
| P ò ò              | Pa                 | 101000               |                                         |                    |
| P <sub>0</sub> ò ò | Pa                 | 101000               |                                         |                    |
| g ò ò              |                    | 9.81m/s <sup>2</sup> |                                         |                    |
| h ò ò              | m                  |                      | 11                                      |                    |
|                    |                    | 160mm                |                                         | 158.4kg/s          |
|                    |                    |                      |                                         | 5290m <sup>2</sup> |
| 2769m <sup>2</sup> | 2521m <sup>2</sup> |                      |                                         |                    |
| 30min              |                    |                      |                                         |                    |
| 2                  |                    |                      |                                         |                    |

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$Q$        $\dot{m}$       kg/s

$n$     $\dot{m}$     $\dot{Q}$

$P$     $\dot{m}$     $\dot{Q}$       Pa

$M$     $\dot{m}$     $\dot{Q}$       kg/mol

$R$     $\dot{m}$     $\dot{Q}$       J/ molK

$T_0$     $\dot{m}$     $\dot{Q}$       K

$u$     $\dot{m}$     $\dot{Q}$       3.4m/s

$r$     $\dot{m}$     $\dot{Q}$       m

29m

### 3.2-2

|   |     |                        |
|---|-----|------------------------|
|   | $n$ | $\dot{U}$              |
| F | 0.3 | $5.285 \times 10^{-3}$ |

### 3.2-3

### 3.2-3

m/s

kg/s

|                                         |           |           |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------|-----------|-----------|--------|-----------|-----|-----------|--|-------|----|--|--|--|--|--|--|--|--|--|--|
| CO                                      |           |           |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| Gco=2.33IqICIQ                          |           |           |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| Gco ò                                   |           | CO        |        | kg/s      |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| q ò                                     |           | %         |        | 5%        | 20% |           |  | q     | 5% |  |  |  |  |  |  |  |  |  |  |
| C ò                                     |           | %         |        |           | C   |           |  | 92.3% |    |  |  |  |  |  |  |  |  |  |  |
| Q ò                                     |           | kg/s      |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
|                                         |           | 158.4kg/s |        | 703.2kg/s |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
|                                         | 158.4kg/s |           |        | 158.4kg/s |     | 98.5m     |  |       |    |  |  |  |  |  |  |  |  |  |  |
| 55.4min                                 |           |           |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
|                                         |           |           |        | CO        |     | 17.03kg/s |  |       |    |  |  |  |  |  |  |  |  |  |  |
| 2                                       |           |           |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| 1                                       |           |           |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| $C A \sqrt{\frac{(P - P_0)}{\rho g h}}$ |           |           |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| ò ò                                     |           | kg/s      |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| ò ò                                     |           | 0.6-0.64  |        | 0.62      |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| A ò ò                                   | m²        | 0.02      | 160mm  |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| £ ò ò                                   | kg/m³     |           | 873    |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| P ò ò                                   | Pa        |           | 101000 |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| P₀ ò ò                                  | Pa        |           | 101000 |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| g ò ò                                   |           | 9.81m/s²  |        |           |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |
| h ò ò                                   |           | m         |        | 19        |     |           |  |       |    |  |  |  |  |  |  |  |  |  |  |

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|   |       |           |
|---|-------|-----------|
|   |       | 221.7kg/s |
|   | 30min | 399t      |
| 2 |       |           |
|   | HJ    |           |

|  |     |   |      |     |
|--|-----|---|------|-----|
|  | m/s |   | kg/s | m   |
|  | 1.5 | F | 3.88 | 2.5 |

SO<sub>2</sub> NO<sub>2</sub>

CO

3

CO SO<sub>2</sub> NO<sub>2</sub>

$$m_f = \frac{0.001H_c}{C_p T_b T_a H_v}$$

mf ò ò kg (m<sup>2</sup>Łs)

Hc ò ò 49.5Ł10<sup>6</sup>J/kg

Cp ò ò 2072J (kgŁK)

Tb ò ò 473K

Ta ò ò 288.8K

HV ò ò 474Ł10<sup>3</sup>J kg

2 SO<sub>2</sub>

$$G_{SO_2}=2BS$$

G<sub>SO2</sub> ò ò SO<sub>2</sub> kg/s

B ò ò kg/s

S ò ò S 1.08%

3 NO<sub>2</sub>

$$G_{NO_2}=1.63ŁBŁ NŁ ' _2+0.000938$$

G<sub>NO2</sub> ò ò NO<sub>2</sub> kg/s

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3.2.3

“ + ”  
+  
60m<sup>3</sup>/h 1 ó +  
+A/O+HOT + + ô  
VOCs

3.2.4

3.2.5

3.2.6

3.2.7

UPS UPS 220V

3.3

3.3-1

|  |  |                                                                                                                      |                                                                              |
|--|--|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
|  |  |                                                                                                                      |                                                                              |
|  |  | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> | <div>1</div> <div>2</div> <div>/</div> <div>[2009]80</div> <div>pH COD</div> |

|  |  |    |  |
|--|--|----|--|
|  |  | 10 |  |
|  |  | 11 |  |

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2

**3.4-1**

## AFTOX

### 3.4.2.2

1 5km

2

1

2 500m 50m 500m  
100m

### 3.4-2

|  |  |      |       | m     |  |     |    | m    |
|--|--|------|-------|-------|--|-----|----|------|
|  |  | X m  | Y m   |       |  |     |    |      |
|  |  | -950 | -4390 | -0.57 |  | 350 | SW | 4310 |
|  |  | -960 | -4410 | 0.22  |  | 460 | SW | 4570 |
|  |  | -965 | -4490 | 0.04  |  | 320 | SW | 4860 |
|  |  | -545 | -3680 | -4.99 |  | 360 | SW | 3860 |
|  |  | -430 | -4105 | -1.89 |  | 420 | SW | 4280 |

-320

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5

/

/

|        |      |      |                      |      |                        |
|--------|------|------|----------------------|------|------------------------|
|        |      |      |                      |      |                        |
|        |      | /    | 25                   | /MPa | /                      |
|        |      | /kg  | 5670                 | /mm  | /                      |
| (kg/s) | 3.15 | /min | 30                   | /kg  | 5670                   |
| /m     | 1.0  | /kg  | /                    |      | $6.5 \times 10^{-5}/a$ |
|        |      |      |                      |      |                        |
|        |      |      |                      |      |                        |
|        |      |      | (mg/m <sup>3</sup> ) | /m   | /min                   |

---

R<sub>1</sub>

|  |  |   |      |      |                      |
|--|--|---|------|------|----------------------|
|  |  |   | /min | /min | (mg/m <sup>3</sup> ) |
|  |  | / | /    | /    | /                    |

-1 9162mg/m<sup>3</sup> 350m

-2

CO CO

-2 180mg/m<sup>3</sup> 1510m -1

### 3.4.2.5

3.4-8

3.4-8

|        |      |      |                      |      |                         |
|--------|------|------|----------------------|------|-------------------------|
|        |      |      |                      |      |                         |
|        |      |      |                      |      |                         |
|        |      |      |                      |      |                         |
|        |      | /    | 25                   | /MPa | /                       |
|        |      | /kg  | 6984                 | /mm  | /                       |
| (kg/s) | 3.88 | /min | 30                   | /kg  | 6984                    |
| /m     | 2.5  | /kg  | 6984                 |      | 6.5[10 <sup>-5</sup> /a |
|        |      |      |                      |      |                         |
|        |      |      |                      |      |                         |
|        |      |      | (mg/m <sup>3</sup> ) | /m   | /min                    |
|        |      | -1   | /                    |      | /                       |
|        |      | -2   | /                    |      | /                       |
|        |      |      | /min                 | /min | (mg/m <sup>3</sup> )    |

|  |  |   |   |   |   |
|--|--|---|---|---|---|
|  |  | / | / | / | / |
|--|--|---|---|---|---|

CO SO<sub>2</sub> NO<sub>2</sub>

3.4-9~3.4-11

**3.4-9a 1.5m/s F**

**CO**

| m    | 1.5m/s F CO mg/m <sup>3</sup> |          |          |          |          |          |
|------|-------------------------------|----------|----------|----------|----------|----------|
|      | 5min                          | 10min    | 15min    | 20min    | 25 min   | 30 min   |
| 0    | 0.00                          | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |
| 100  | 828.1843                      | 828.1843 | 828.1843 | 828.1843 | 828.1843 | 828.1843 |
| 200  | 711.0174                      | 711.0174 | 711.0174 | 711.0174 | 711.0174 | 711.0174 |
| 300  | 622.6875                      | 622.6875 | 622.6875 | 622.6875 | 622.6875 | 622.6875 |
| 400  | 550.6308                      | 550.6316 | 550.6316 | 550.6316 | 550.6316 | 550.6316 |
| 600  | 249.218                       | 439.2839 | 439.2839 | 439.2839 | 439.2839 | 439.2839 |
| 800  | 5.2943                        | 358.156  | 358.1563 | 358.1563 | 358.1563 | 358.1563 |
| 1000 | 0.0403                        | 290.5093 | 297.4336 | 297.4336 | 297.4336 | 297.4336 |
| 1500 | 0                             | 6.0813   | 198.5554 | 202.6263 | 202.6263 | 202.6263 |
| 2000 | 0                             | 0.0049   | 25.416   | 144.6108 | 147.2267 | 147.2267 |
| 2500 | 0                             | 0        | 0.2457   | 40.9659  | 111.4054 | 113.2131 |
| 3000 | 0                             | 0        | 0.0012   | 1.7429   | 47.1974  | 88.9685  |
| 3500 | 0                             | 0        | 0        | 0.0304   | 5.023    | 47.4582  |
| 4000 | 0                             | 0        | 0        | 0.0004   | 0.2184   | 9.1326   |
| 4500 | 0                             | 0        | 0        | 0        | 0.0002   | 0.0432   |
| 5000 | 0                             | 0        | 0        | 0        | 0.0002   | 0.0432   |

**3.4-9b**

**CO**

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|--|----|-----|-------|------|---|
|  |    | /   | 25    | /MPa | / |
|  | CO | /kg | 45864 | /mm  | / |

|  |        |   |                 |                   |
|--|--------|---|-----------------|-------------------|
|  | 1.5m/s | F | SO <sub>2</sub> | mg/m <sup>3</sup> |
|--|--------|---|-----------------|-------------------|

|   |      |       |       |       |        |        |
|---|------|-------|-------|-------|--------|--------|
| m | 5min | 10min | 15min | 20min | 25 min | 30 min |
|---|------|-------|-------|-------|--------|--------|

|  |        |   |                 |                   |
|--|--------|---|-----------------|-------------------|
|  | 1.5m/s | F | NO <sub>2</sub> | mg/m <sup>3</sup> |
|--|--------|---|-----------------|-------------------|

|   |      |       |       |  |
|---|------|-------|-------|--|
| m | 5min | 10min | 15min |  |
|---|------|-------|-------|--|

|  | NO <sub>2</sub> |    | (mg/m <sup>3</sup> ) | /m   | /min                 |
|--|-----------------|----|----------------------|------|----------------------|
|  |                 | -1 | 38                   | 240  | 4.50                 |
|  |                 | -2 | 23                   | 620  | 9.50                 |
|  |                 |    | /min                 | /min | (mg/m <sup>3</sup> ) |
|  |                 | /  | /                    | /    | /                    |

-1

-2

CO

CO

-1

828mg/m<sup>3</sup>

680m

-2

2800m

SO<sub>2</sub>

SO<sub>2</sub>

-1

90mg/m<sup>3</sup>

160m

-2

2700m

NO<sub>2</sub>

NO<sub>2</sub>

-1

45mg/m<sup>3</sup>

240m

-2

620m

### 3.4.2.6

1

-1

9162mg/m<sup>3</sup>

350m

-2

CO

CO

-2

180mg/m<sup>3</sup>

1510m

-1



|           |  |         |  |  |                             |
|-----------|--|---------|--|--|-----------------------------|
| 1994.9.7  |  | 1-1.1t  |  |  |                             |
| 1994.7.30 |  |         |  |  | 20                          |
| 1994.7.27 |  |         |  |  | 14                          |
| 1994.3.30 |  | 1.5t    |  |  | 5                           |
| 1993.7.28 |  | 4t      |  |  |                             |
| 1993.4.30 |  |         |  |  |                             |
| 1993.3    |  |         |  |  | 800                         |
| 1992.1.16 |  | 60-70kg |  |  | 2d                          |
| 1991.5.2  |  |         |  |  | 160km <sup>2</sup><br>50 kg |
| 1991.2.6  |  |         |  |  |                             |
| 1988.1.4  |  | 800t    |  |  | 800m                        |
| 1987.8.14 |  |         |  |  | 11.6                        |
| 1989.4.12 |  |         |  |  | 5                           |

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### 3.4.3.2

1

2

### 3.4.3.3

Q/SY 1303-2010

$10^{-10}$ cm/s

$10^{-7}$ cm/s

GB18599-2001

GB50483-2009

|    | $V$             | $(V_1 + V_2 + V)_{\max}$ | $V_3$ | $V_4$          |
|----|-----------------|--------------------------|-------|----------------|
|    | $V_1 + V_2 + V$ | $\max$                   |       | $m^3$          |
| V1 |                 |                          |       | $m^3$          |
| V2 |                 |                          |       |                |
|    |                 |                          | 3     | $m^3$          |
| V  |                 |                          |       |                |
| V3 |                 |                          |       | $m^3$          |
| V4 |                 | $m^3$                    |       |                |
| V1 |                 | $100000m^3$              |       | $V_1=90000m^3$ |
| V2 |                 |                          |       |                |
| 1  |                 |                          |       |                |

80m

GB50160-2008

[2010]118

|        |      |              |              |     |    |
|--------|------|--------------|--------------|-----|----|
|        |      | 2.0L/ min    | $\text{m}^2$ | 20m |    |
| 20m    |      |              | 6h           |     | 6h |
|        | 3943 | $\text{m}^3$ |              |     |    |
| 2      |      |              |              |     |    |
| 100000 | ml   |              |              |     |    |

---


$$= 90000 + 3943 + 199 + 1728 + 19933.5 - 103936.9 - 0 = 11866.6 \text{ m}^3$$

$$12500 \text{ m}^3$$



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### 3.4-1

GB 50316-2000

SH3054-2005

1.

2.

3.

4.

5.

### 3.4.4

12500m<sup>3</sup>

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### 3.4.5

“ + ”  
+  
60m<sup>3</sup>/h 1 ó +  
+A/O+HOT + + ô  
VOCs

### 3.4.6

### 3.4.7

### 3.4.8

### 3.4.9

UPS DCS 30min

## 3.5

### 3.5.1

|       |    |                       |                 |    |
|-------|----|-----------------------|-----------------|----|
| <hr/> |    |                       |                 |    |
| 1     |    |                       |                 |    |
|       | -1 | 9162mg/m <sup>3</sup> | 350m            |    |
| -2    |    |                       |                 |    |
|       |    | CO                    | CO              |    |
|       | -2 | 180mg/m <sup>3</sup>  | 1510m           | -1 |
| 2     |    |                       |                 |    |
|       | -1 |                       | -2              |    |
|       |    | CO                    | CO              |    |
|       | -1 | 828mg/m <sup>3</sup>  | 680m            | -2 |
| 2800m |    |                       |                 |    |
|       |    | SO <sub>2</sub>       | SO <sub>2</sub> |    |
|       | -1 | 90mg/m <sup>3</sup>   | 160m            | -2 |
| 2700m |    |                       |                 |    |
|       |    | NO <sub>2</sub>       | NO <sub>2</sub> |    |
|       | -1 | 45mg/m <sup>3</sup>   | 240m            | -2 |
| 620m  |    |                       |                 |    |

### 3.5.2

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È È IJ Õ 3

**3.5.3**

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|  |  |                     |
|--|--|---------------------|
|  |  | 12500m <sup>3</sup> |
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|  |  |                     |

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**4**

**4.1**

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**4.**

WE

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**4.3**

13789831081

18954008137

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18354678797

13220507223

18366952335

13455460817

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## 4.4

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1

2

3

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5

6

### 5.1.2

1

2

### 5.1.3

1

24

2

3

4

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## 5.2

### 5.2.1

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2

3 /

4

**III**

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3

4

5

6

### 5.3

#### 5.3.1

24

0546-8286889

#### 5.3.2

1

2

5.4



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|  |                            |
|--|----------------------------|
|  | 0546-8330190/12350/8330361 |
|  | 0546-8019288               |
|  | 0546-8019190               |
|  | 0546-8879110               |
|  | 0546-6096119               |
|  | 0546-8019001/8019002       |

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## 6

### 6.1

1

2

3

### 6.2

1

2

3

1

2

3

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## 6.3

1

2

3

4

5

6



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## 6.5.2

1

2

## 6.5.3

## 6.5.4

**6.5-1**

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## 7

### 7.1

1

2

3

### 7.2

1

2

3

### 7.3

1

2

3

3

0 500

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500 1000

1000

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2

3

**7.4-1**

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|---|--|
|   |  |
| 1 |  |
| 2 |  |

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7.4.2

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7.4-2

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| 1 |  |
| 2 |  |
| 3 |  |

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|   |  |
| 4 |  |
| 5 |  |

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## 7.5.2

1

2



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#### **7.6.4**

1

2

3

#### **7.6.5**

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### 7.6.6

1

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**8**

**8.1**

**8.2**

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### 8.3.2

1

2

3

4

5

### 8.3.3

1

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2

**8.4**

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8-1

|   |       |                                            |  |       |  |
|---|-------|--------------------------------------------|--|-------|--|
|   |       |                                            |  |       |  |
|   |       |                                            |  |       |  |
| 1 |       | CO SO <sub>2</sub> NO <sub>2</sub><br>VOCs |  | 30min |  |
| 2 | 100m  |                                            |  |       |  |
| 3 | 500m  |                                            |  |       |  |
| 4 | 1000m |                                            |  |       |  |
|   |       |                                            |  |       |  |

1

pH   COD<sub>Cr</sub>  
BOD<sub>5</sub>

30min

VOCs

HJ589-2010

8.5

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## 8-2

|   |     |   |      |
|---|-----|---|------|
|   |     |   |      |
| 1 | VOC | 1 | VOCs |
| 2 | pH  | 1 |      |
| 3 | COD | 1 | COD  |
| 4 |     |   |      |

## 9

### 9.1

1

2

3

4

5

### 9.2

1

2

3

### 9.3

1

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164  
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92  
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## 10.2

1

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4

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## 11

### 11.1

15

### 11.2

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2

## 11.4

1

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3

4

## 11.5

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## 12

### 12.1

4.3

### 12.2

### 12.3

### 12.4



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| 10 |  |  |  |
| 11 |  |  |  |
| 12 |  |  |  |
| 13 |  |  |  |

13.2.2

- 1
- 2
- 3
- 4

13.2.3

- 1
- 2
- 2

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1

3

#### 13.2.4

1

2

3

4

5

6

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## 13.3

1

2

3

4

1

2

3

4

5

6

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7

## **13.4**

1

2

30

## **14**

### **14.1**

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**14.2**

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**14.3**

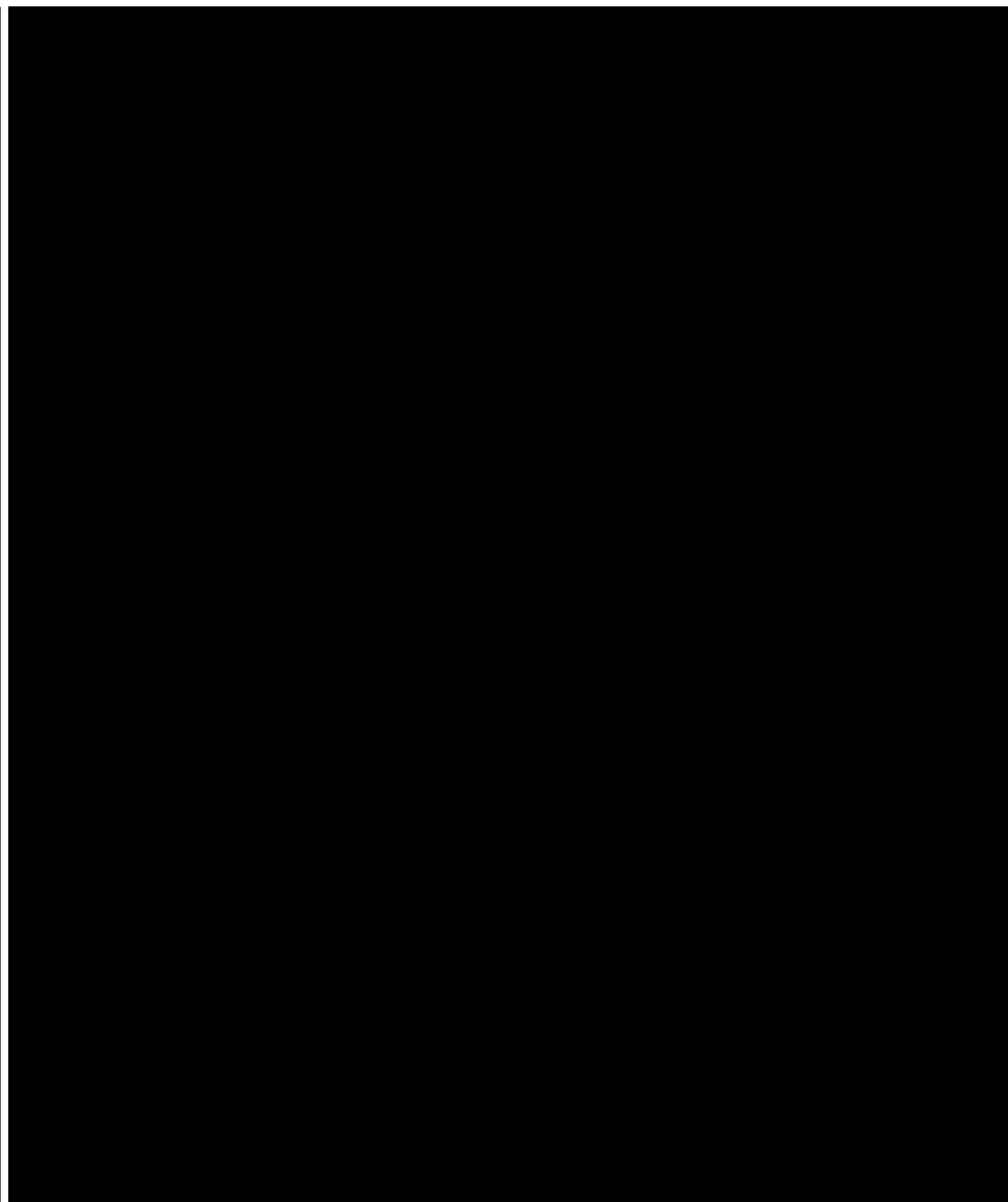
**14.4**

15

1

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|             |  |             |  |
|             |  | 13054647938 |  |
|             |  | 13455707588 |  |
| 13884600198 |  |             |  |

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| 17176099990 |  |  |  |             |  |



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| 2 |  | 010-67119686 010-66151780  |
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| 1 |  | 110 119                    |
| 2 |  | 122                        |
| 3 |  | 120                        |
| 4 |  | 8875119                    |
| 5 |  | 6375119                    |
| 6 |  | 13181974365                |
|   |  |                            |
| 1 |  | 0546-8331789/12369         |
| 2 |  | 0546-8019288               |
| 3 |  | 0546-8330190/12350/8330361 |
| 4 |  | 0546-6096119               |

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|---|------------------------------|
| / | 0546-8312345                 |
|   | 0546-8019001                 |
|   | 0546-8019120                 |
|   | 0546-8331208/8221954         |
|   | 0546-3661070/3662070         |
|   | 0546-8305735/8305827/8305239 |
|   | 0546-8331789/12369           |
|   | 0546-8330190/12350/8330361   |
|   | 0546-8019288                 |

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|  | 0546-8879110         |
|  | 0546-6096119         |
|  | 0546-8019001/8019002 |

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|  |  | 200 |  |  |

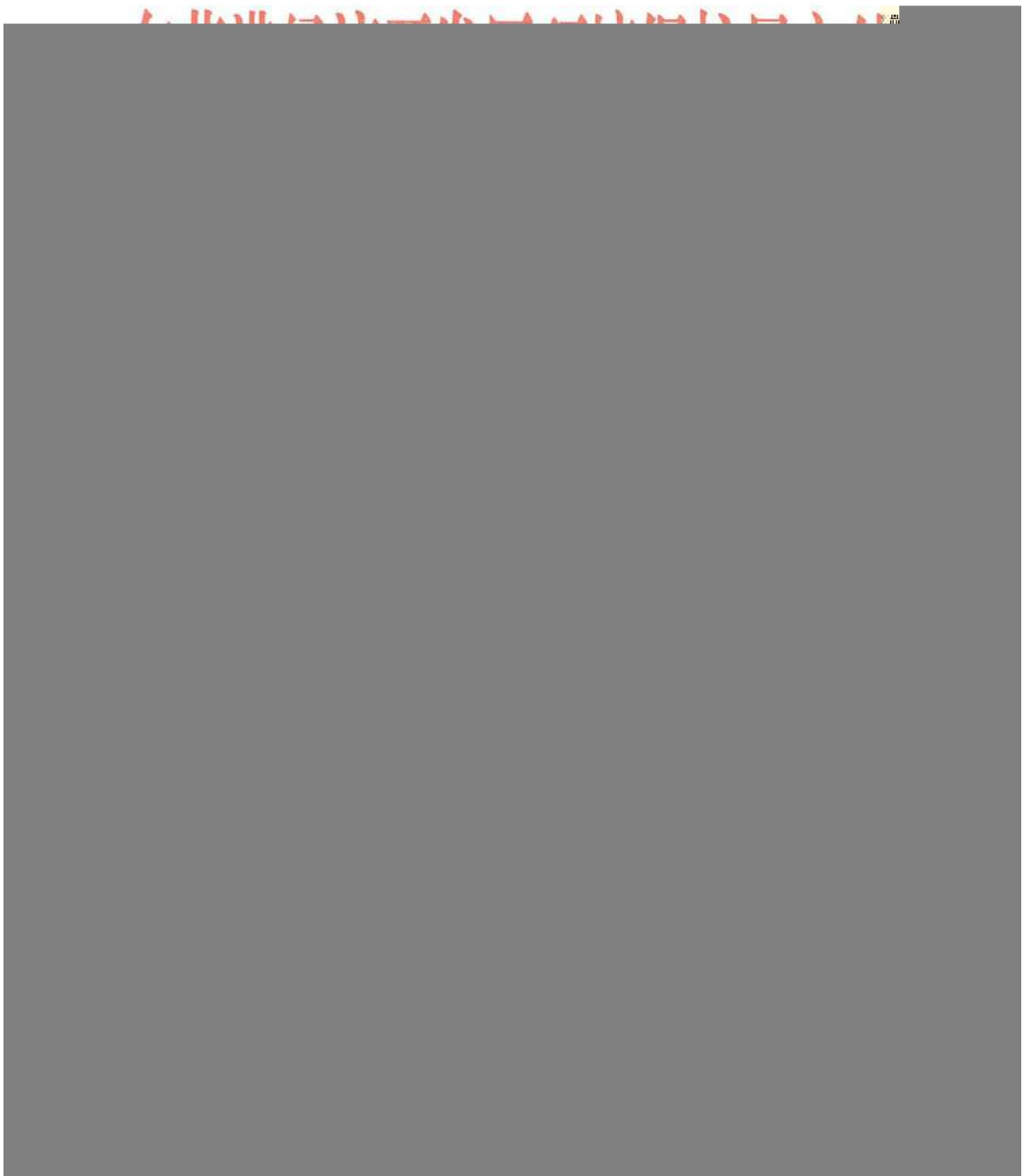
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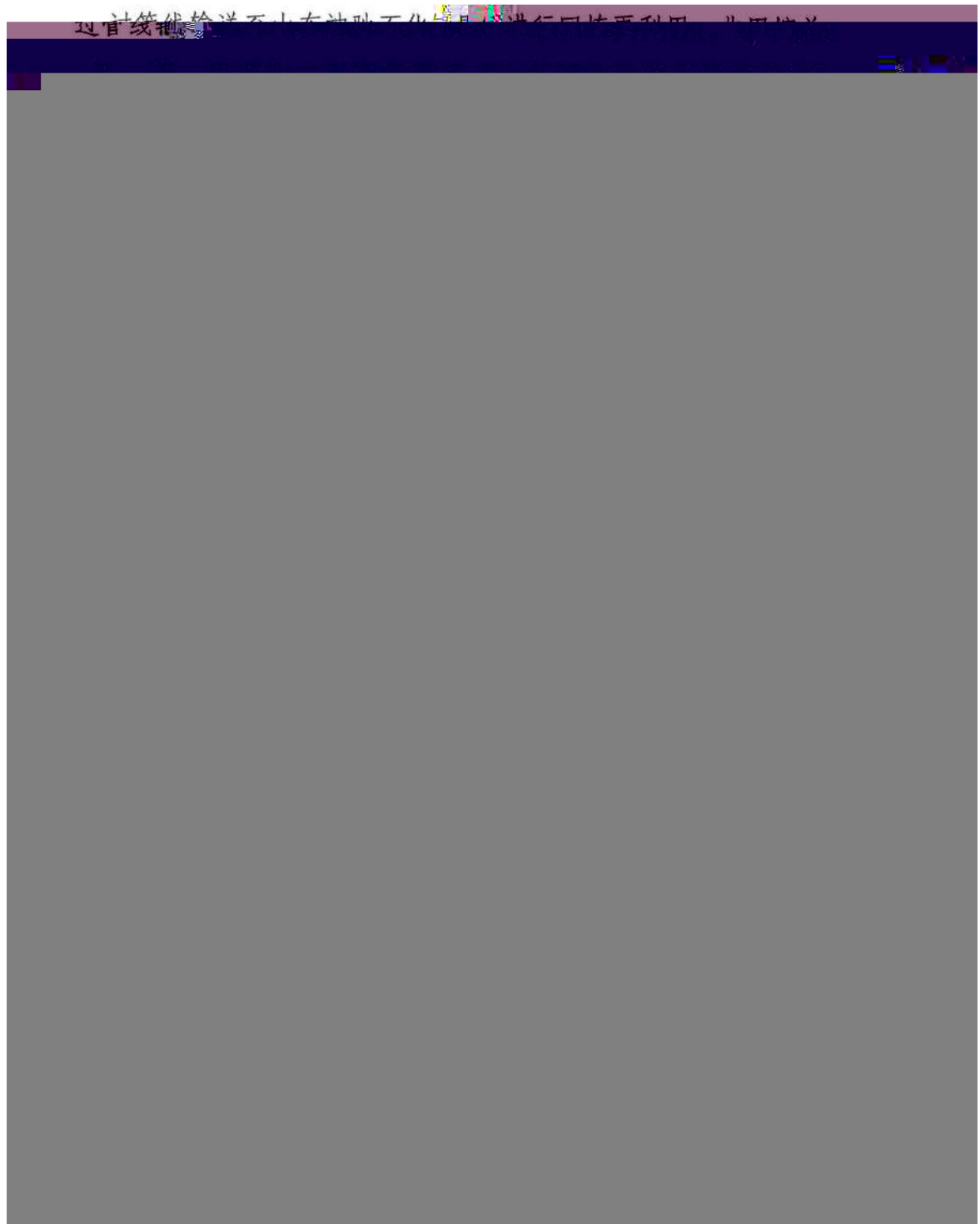
甲方：东营神智包装有限公司

乙五: 五枝生枝 沙成 柳成

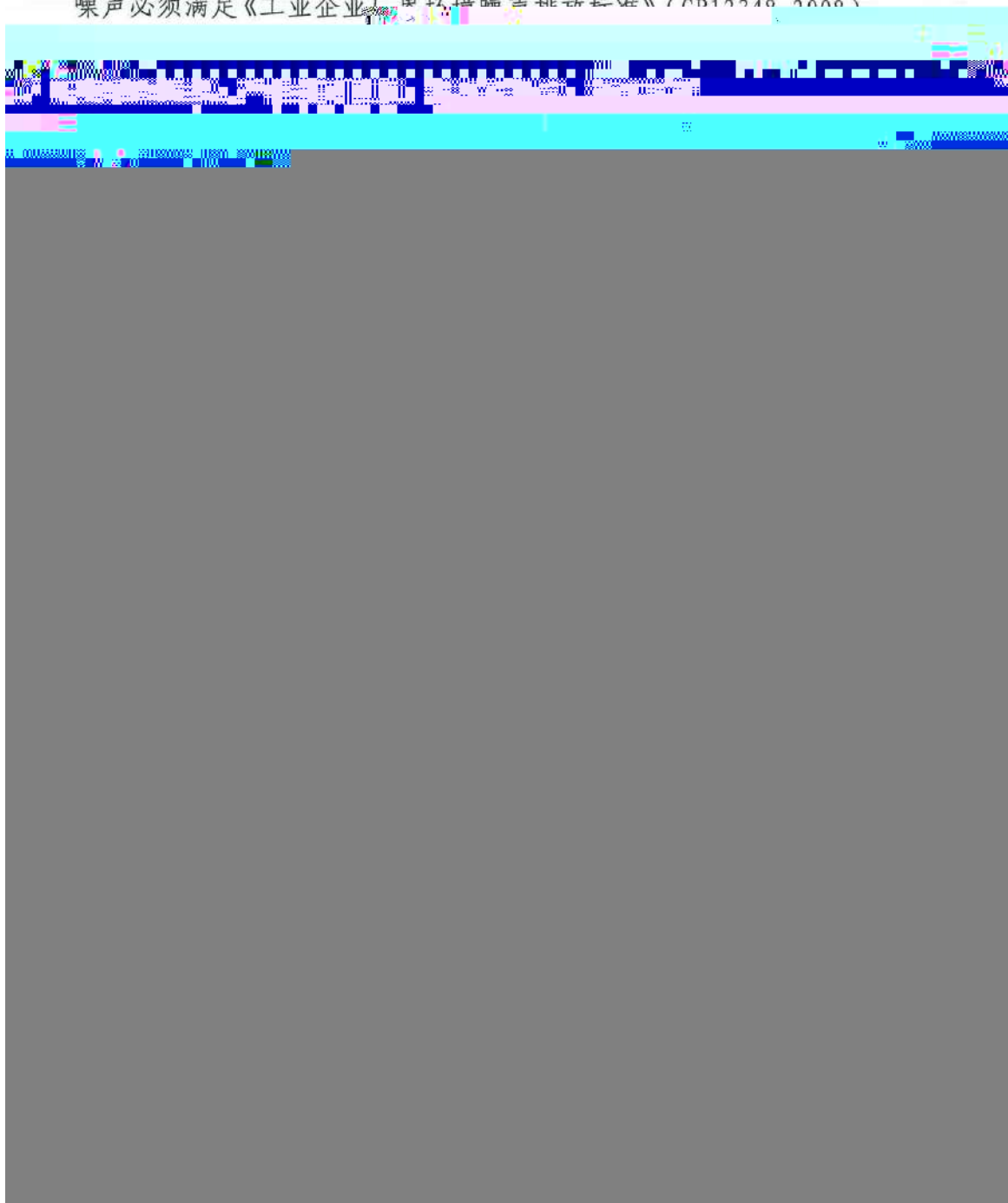
为贯彻落实《中华人民共和国安全生产法》以及其他相关法律法规，切实保障企业安全生产，保护企业及周边单位人员的生命财产安全，建立应急救援联动机制，经甲乙双方充分协商，达成如下应急救援



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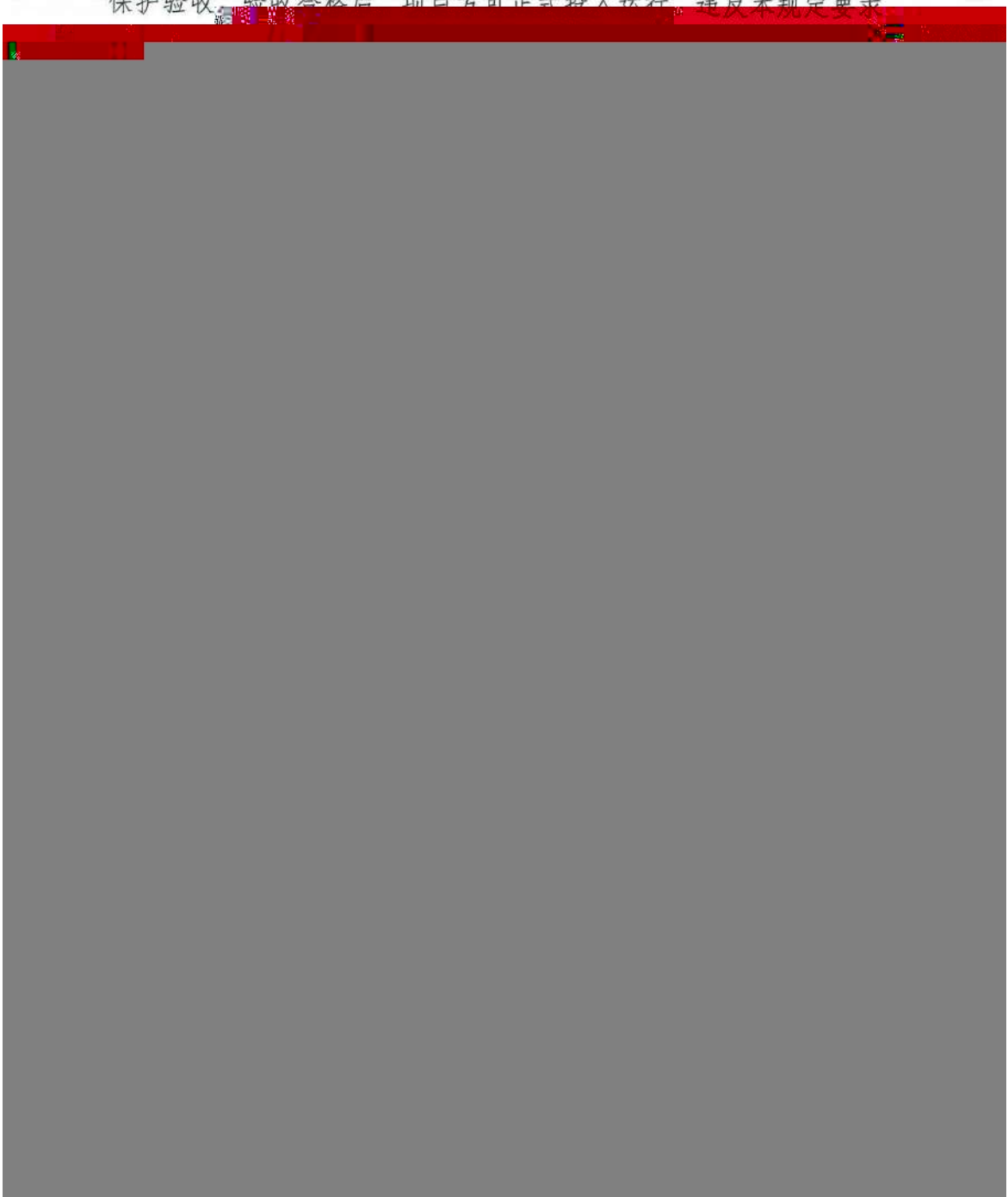


(四) 噪声污染防治。选用低噪声设备，合理布局，确保厂界噪声必须满足《工业企业厂界环境噪声排放标准》(GB12348-2008)。



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项目竣工后，你单位必须按照规定的程序向我局申请工程竣工环境保护验收。验收合格后，项目方可正式投入运行。违反本规定要求



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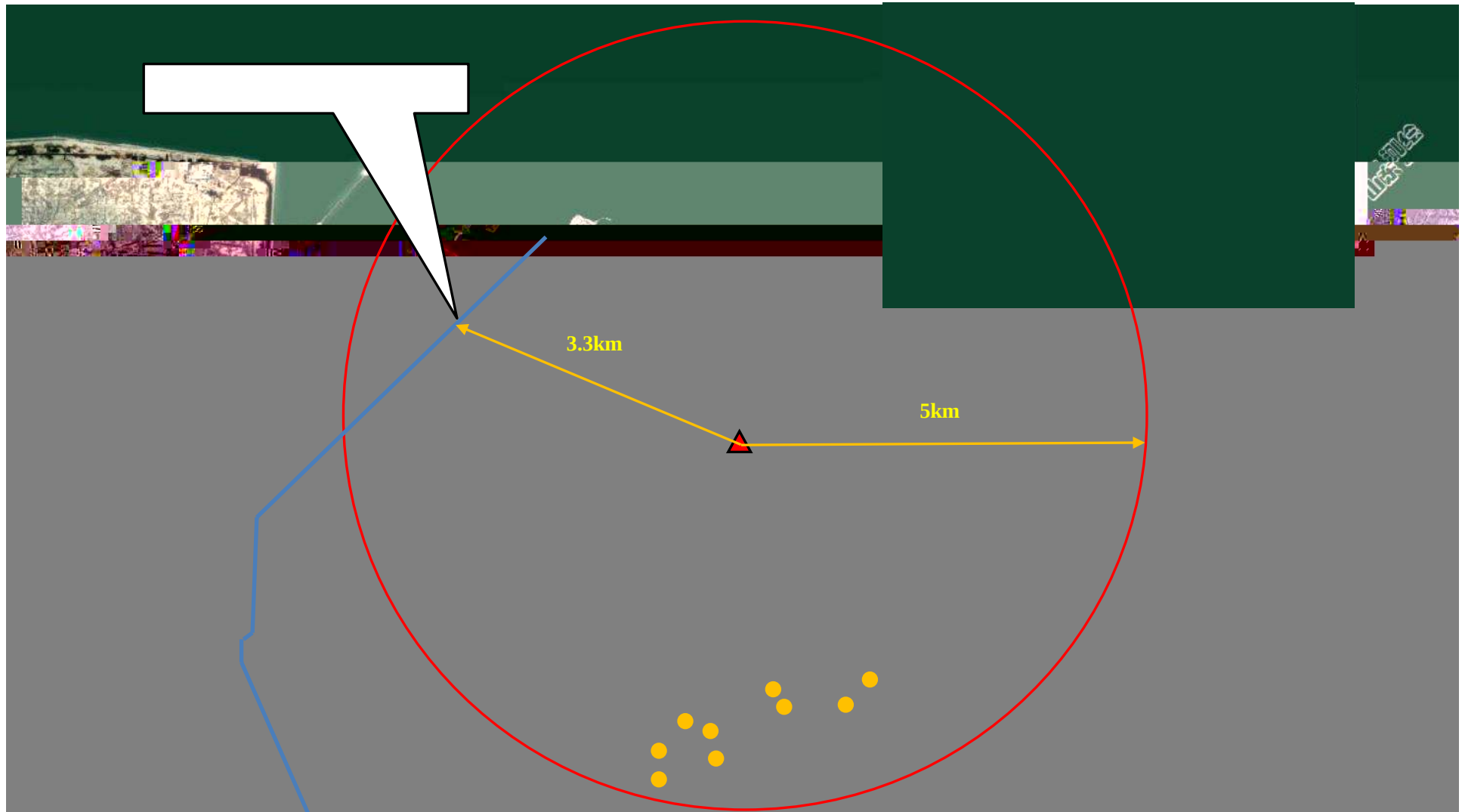
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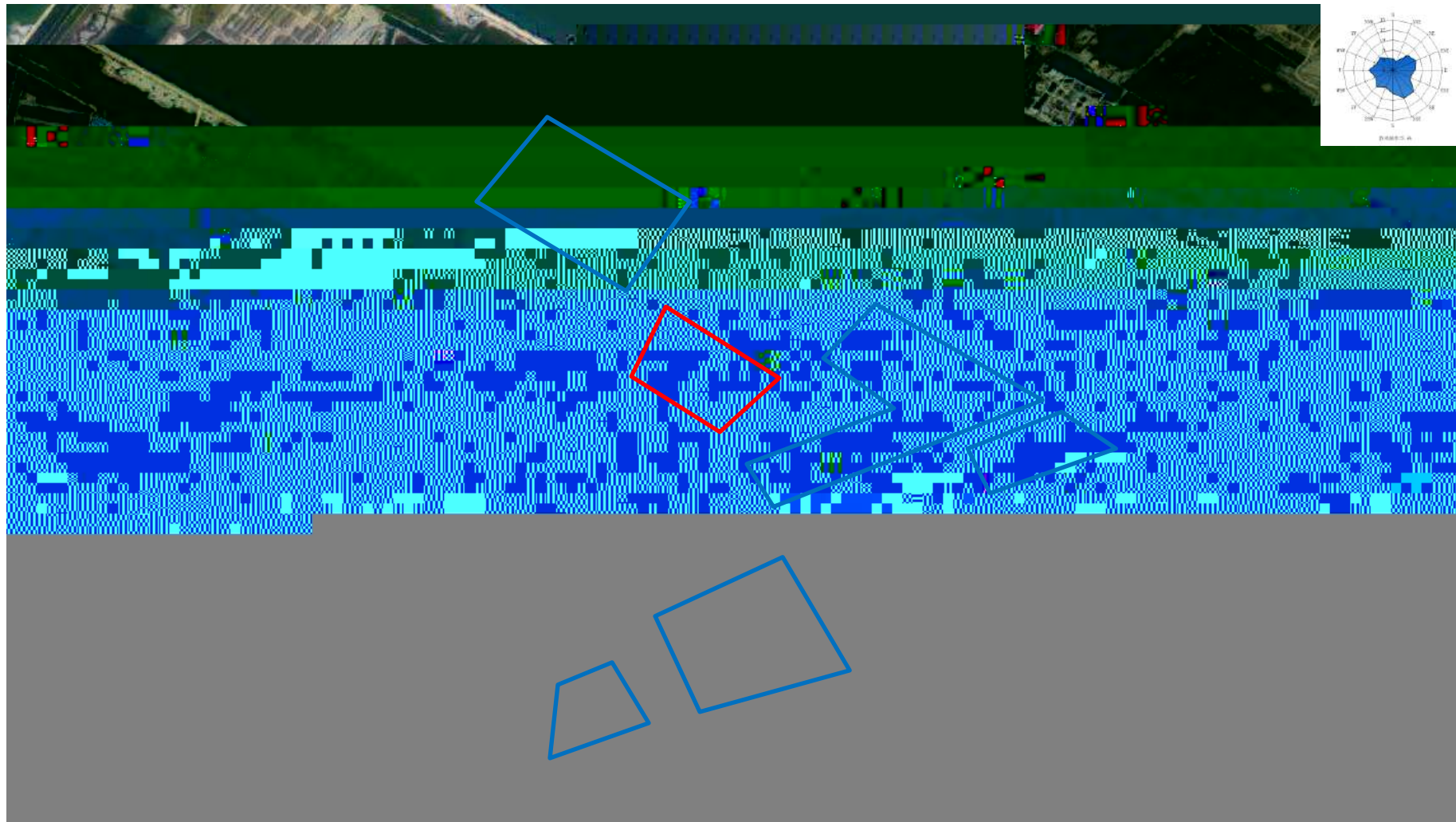
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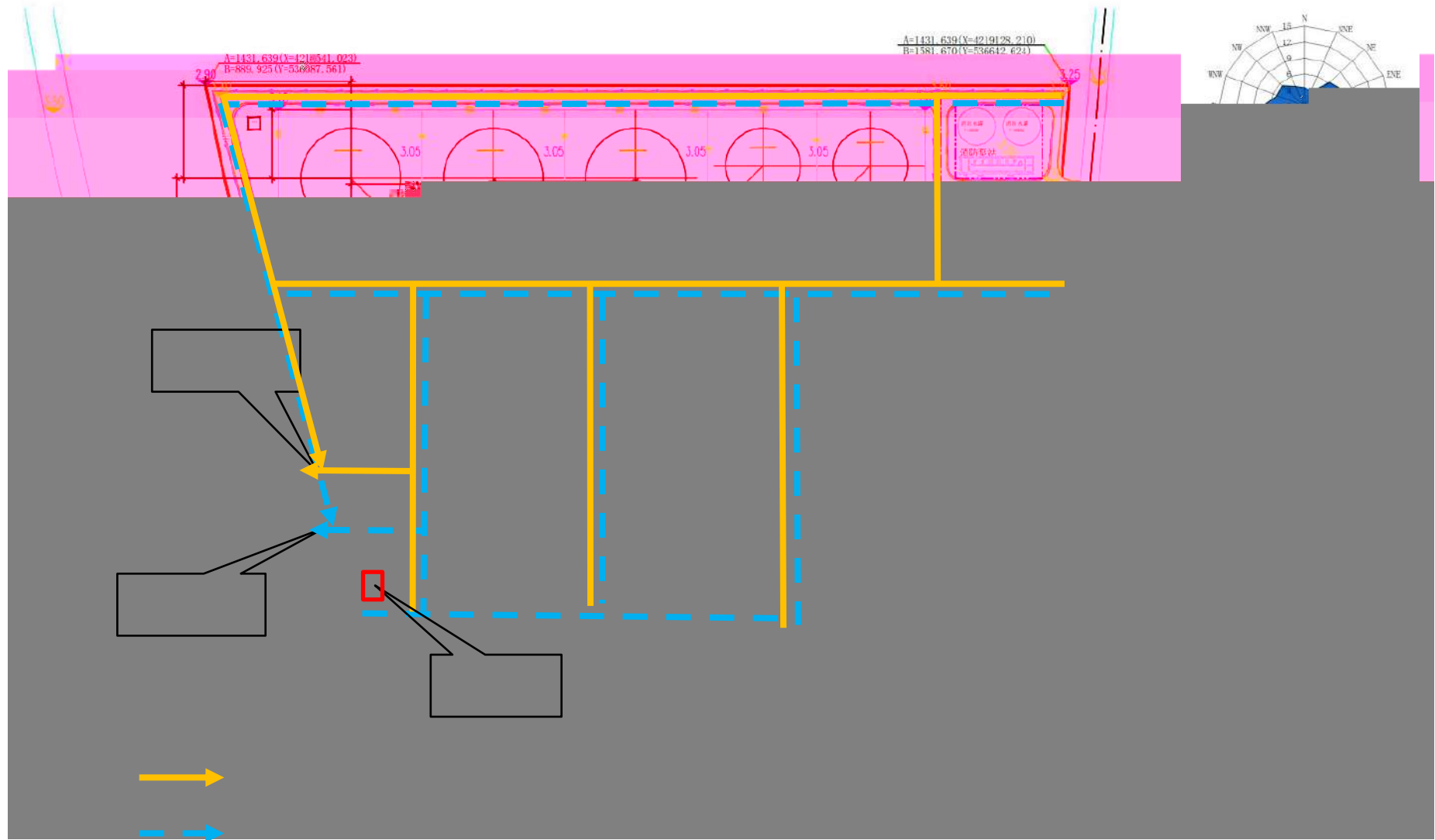


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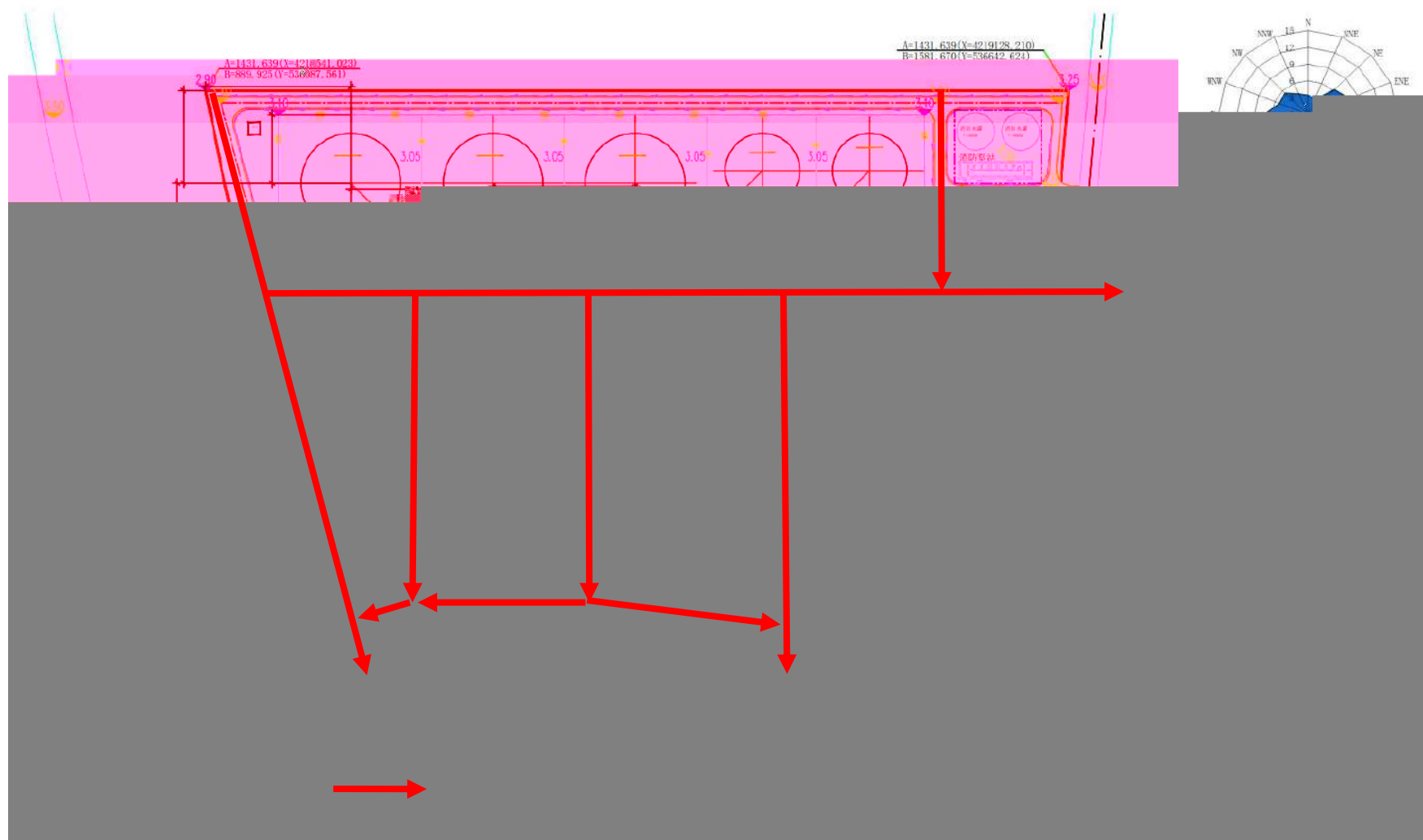




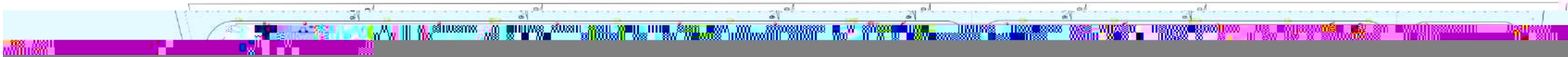
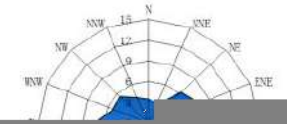
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# 应急物资布局图



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**16.1.2**

**16.2.3**

**16.2.4**

**16.3**

**16.3.1**

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### 16.3.3

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## **17**

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## **18**

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## **19**

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## **19.3**

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