



---

/

4104600

677

4015



---

|     |           |    |
|-----|-----------|----|
| 1   | .....     | 1  |
| 2   | .....     | 2  |
| 2.1 | .....     | 2  |
| 2.2 | .....     | 4  |
| 2.3 | .....     | 4  |
| 2.4 | .....     | 4  |
| 3   | .....     | 5  |
| 3.1 | .....     | 5  |
| 3.2 | .....     | 5  |
| 3.3 | .....     | 8  |
| 3.4 | .....     | 8  |
| 3.5 | .....     | 8  |
| 3.6 | .....     | 9  |
| 3.7 | .....     | 9  |
| 4   | .....     | 11 |
| 4.1 | / .....   | 11 |
| 4.2 | .....     | 12 |
| 4.3 | “ ” ..... | 13 |
| 5   | .....     | 16 |
| 5.1 | .....     | 16 |
| 5.2 | .....     | 16 |

---

|      |       |    |
|------|-------|----|
| 6    | ..... | 19 |
| 7    | ..... | 20 |
| 7.1  | ..... | 20 |
| 7.2  | ..... | 20 |
| 8    | ..... | 22 |
| 8.1  | ..... | 22 |
| 8.2  | ..... | 22 |
| 8.3  | ..... | 22 |
| 9    | ..... | 23 |
| 9.1  | ..... | 23 |
| 9.2  | ..... | 23 |
| 9.3  | ..... | 25 |
| 10   | ..... | 26 |
| 10.1 | ..... | 26 |
| 10.2 | ..... | 26 |
| 10.3 | ..... | 26 |

---

1

2

3

4

5

6

7

1

2

3

---

1

2019 8

2020

2020 3 21

[2020]14

2020 12

“ ”

2020 6

2023 12

2024 1

2024 4

( 1# 2# 3# )

“ ”

2024 7

2024 8

---

22 [2024]114 2 2024  
9

2024  
12 3 [2024]149

2025 2  
2025 3 2025 4 21  
2025 4 28

2025 3 “ ”  
2025 8 11 3  
91430100MA40N6301C001V  
682

[2017]4  
“ ”  
2025 4 25 ~4 26 9 3 ~9 4  
4

**2**

**2.1**

1 2014 4 24  
2015 1 1  
2 2017 6 27

|        |      |         |   |  |      |       |
|--------|------|---------|---|--|------|-------|
|        |      |         |   |  |      | 2018  |
| 1      | 1    |         |   |  |      |       |
|        | 3    |         |   |  | 2018 | 10    |
| 26     |      |         |   |  |      |       |
|        | 4    |         |   |  | 2018 | 12    |
| 29     |      |         |   |  |      |       |
| 2019   | 1    | 1       |   |  |      |       |
|        | 5    |         |   |  | 2020 | 4     |
| 29     |      |         |   |  |      |       |
|        | 2020 | 9       | 1 |  |      |       |
|        | 6    |         |   |  | 2018 | 8 31  |
|        |      |         |   |  |      | 2019  |
| 1      | 1    |         |   |  |      |       |
|        | 7    |         |   |  | 2016 | 7 2   |
|        |      |         |   |  |      |       |
|        | 8    |         |   |  | 2017 | 6 21  |
| 177    |      |         |   |  | 2017 | 10 1  |
|        | 9    |         |   |  |      |       |
|        |      | [2017]4 |   |  | 2017 | 11 20 |
|        | 10   |         |   |  |      |       |
| [2015] | 113  |         |   |  |      |       |
|        | 11   |         |   |  |      |       |
|        | 2020 | 688     |   |  |      |       |
|        | 12   |         |   |  | (    |       |
| [1996] | 470  | )       |   |  |      |       |

## 2.2

|              |      |   |             |   |                |   |
|--------------|------|---|-------------|---|----------------|---|
| 1            | 2018 | 9 | 2018        | 5 | 15             |   |
| 2            |      |   | GB8978-1996 |   |                | “ |
| 1999         | 285  | ” |             |   |                |   |
| 3            |      |   |             |   | GB/T31962-2015 |   |
| 4            |      |   |             |   | GB13271-2014   |   |
| 5            |      |   |             |   | GB12348-2008   |   |
| 6            |      |   |             |   |                |   |
| 2019         |      |   |             |   |                |   |
| 7            |      |   |             |   |                |   |
| GB18599-2020 |      |   |             |   |                |   |

## 2.3

1

2024 7

2

[2024]114

2024

8 22

## 2.4

1

3

3.1

3.1.1

112 48 29.32 28 12 8.5

1

500m

50

500

3.1.2

2 1.4MW

2

3.2

2

1.4MW

3.2-1 3.2-3

3.2-1

|  |         |  |         |
|--|---------|--|---------|
|  |         |  |         |
|  |         |  |         |
|  |         |  |         |
|  |         |  |         |
|  | 2 1.4MW |  | 2 1.4MW |

---

|  |                     |  |     |     |     |
|--|---------------------|--|-----|-----|-----|
|  | 50                  |  | 10  | 20% |     |
|  | 50                  |  | 8.5 | 17% |     |
|  |                     |  | 2   | 8   | 150 |
|  | 2024 9              |  |     |     |     |
|  | 2024 8 22 [2024]114 |  |     |     |     |

3.2-2



---

### 3.3

3.3-1

|   |  | t/a                 | t/a                 |  |
|---|--|---------------------|---------------------|--|
| 1 |  | 60.6                | 60.6                |  |
| 2 |  | 76.8 m <sup>3</sup> | 76.8 m <sup>3</sup> |  |

### 3.4

3.4-1

3.4-1

|  |   |   |                       |  |
|--|---|---|-----------------------|--|
|  |   |   |                       |  |
|  | 2 | 2 | CWNS1.4-85/65-Y.<br>Q |  |

### 3.5

#### 3.5.1

2 1.4MW  
15m<sup>3</sup>

2400h

2%

0.6m<sup>3</sup>/a

60m<sup>3</sup>

60.6m<sup>3</sup>/a

“ ”

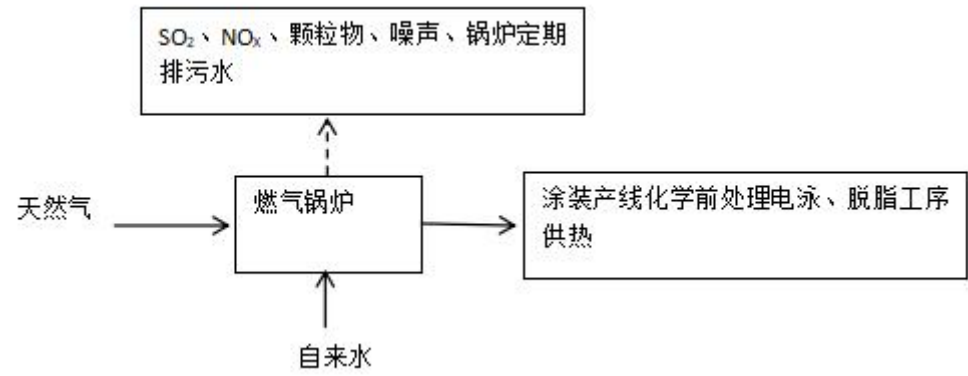
60m<sup>3</sup>/a

3.5.2



3.5-1

3.6



3.6-1

1.4MW

85℃

3.7

3.7-1

3.7-1

|  |           |   |
|--|-----------|---|
|  |           |   |
|  |           | / |
|  |           | / |
|  |           | / |
|  |           | / |
|  | 25m DA012 |   |

3.7-1

3.7-2

3.7-2

|  |       |  |  |
|--|-------|--|--|
|  |       |  |  |
|  | 1     |  |  |
|  | 2 30% |  |  |
|  | 3     |  |  |
|  | 4     |  |  |
|  | 10%   |  |  |
|  | 5     |  |  |

|  |    |     |  |
|--|----|-----|--|
|  | 6  |     |  |
|  | 1  |     |  |
|  | 2  |     |  |
|  | 3  |     |  |
|  | 4  | 10% |  |
|  | 7  | 10% |  |
|  | 8  |     |  |
|  | 6  |     |  |
|  |    | 10% |  |
|  | 9  |     |  |
|  | 10 |     |  |
|  |    | 10% |  |
|  | 11 |     |  |
|  | 12 |     |  |
|  | 13 |     |  |

3.7-2

4

4.1 /

4.1.1

450 t/d

4.1-1

4.1-1

|  |  |         |    |  |         |   |
|--|--|---------|----|--|---------|---|
|  |  |         |    |  |         |   |
|  |  | 0.4m³/d | pH |  | 450m³/d | → |
|  |  |         |    |  |         | → |

4.1.2

4.1-2

4.1-2

|  |  |  |      |  |
|--|--|--|------|--|
|  |  |  | /    |  |
|  |  |  | +25m |  |
|  |  |  | +18m |  |

4.1.3

75~90dB(A)

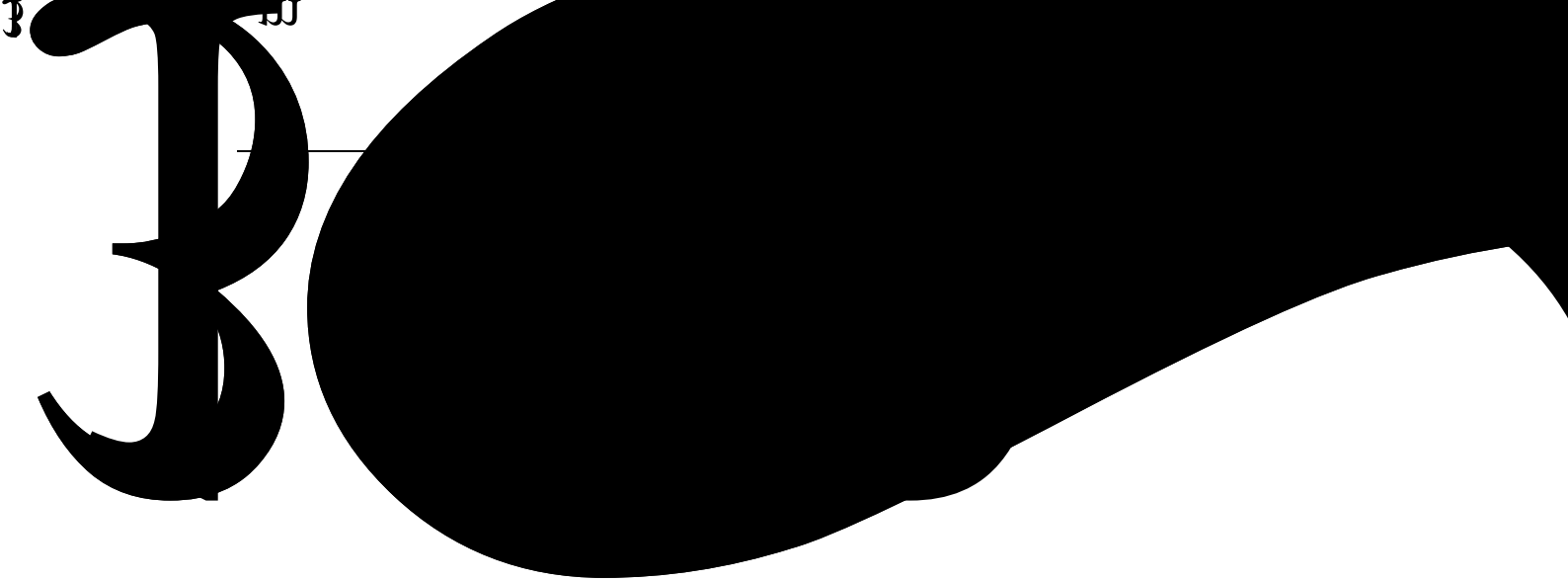
4.1-3

|   |  |   |       |  |  |  |
|---|--|---|-------|--|--|--|
|   |  |   | dB(A) |  |  |  |
| 1 |  | 2 | 85    |  |  |  |
| 2 |  | 2 | 82    |  |  |  |

4.1.4

4.2

4.2.1



3

2 1.4MW

|    |   |       |
|----|---|-------|
| 50 | 2 | 1.4MW |
|----|---|-------|

|    |   |       |
|----|---|-------|
| 50 | 2 | 1.4MW |
|----|---|-------|

( 10 )

50 (

8.5 )

CD8078-1000 4

GB8978-1996) 4

(GB13271-2014)

|                |    |    |
|----------------|----|----|
| (GB13271-2014) | 3  | 3  |
|                | NO | NO |

|                |                 |                 |   |
|----------------|-----------------|-----------------|---|
| (GB13271-2014) | 3               | 3               |   |
|                | NO <sub>x</sub> | SO <sub>2</sub> | ( |

|                |                 |                 |   |
|----------------|-----------------|-----------------|---|
| (GB13271-2014) | 3               | 3               |   |
|                | NO <sub>x</sub> | SO <sub>2</sub> | ( |

( ) ( ) (

$$\left( \begin{array}{c} \text{NO}_x \text{ SO}_2 \end{array} \right) \quad \left( \text{NO}_x \right)$$

30mg/Nm    10mg/Nm )                      30mg/Nm )

(GB12348-2008) 3 (GB12348-2008) 3

(GB12348-2008) 3

---

|   |  |  |  |
|---|--|--|--|
| 6 |  |  |  |
|---|--|--|--|

2017 11 20

4.3-3

4.3-3

|   |  |   |  |
|---|--|---|--|
|   |  |   |  |
| 1 |  |   |  |
| 2 |  |   |  |
| 3 |  |   |  |
| 4 |  |   |  |
| 5 |  | 4 |  |
| 6 |  |   |  |
| 7 |  |   |  |
| 8 |  |   |  |
| 9 |  |   |  |

---

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

5

5.1

5.1.1

“ ”

5.2

2024 8 22

[2024]114

( 677 4015

|                |    |                |         |    |
|----------------|----|----------------|---------|----|
|                | 2  | 1.4MW          |         |    |
|                |    |                | 50      |    |
| (              | 10 | )              |         |    |
|                |    |                |         |    |
| (              | )  |                |         |    |
|                |    | GB8978-1996)   | 4       |    |
| (              | )  |                |         |    |
| (GB13271-2014) | 3  |                | NOx     | SO |
|                | (  | )              | (       | )  |
| (NOx           | SO | 30mg/Nm        | 10mg/Nm | )  |
| (              | )  |                |         |    |
|                |    | (GB12348-2008) | 3       |    |
| (              | )  |                |         |    |



---

## 6

2018 9

1

(GB 8978-1996) 4

(GB/T31962-2015)B

2

GB13271-2014 3

NO<sub>x</sub>  
2019

3

(GB12348-2008) 3 4

4

GB18599-2020

## 7

2018 9

COD SS

HJ 836-2017

1mg

1m<sup>3</sup>

40-50

1mg

1m<sup>3</sup>

### 7.1

#### 7.1-1

|       |  |       |
|-------|--|-------|
|       |  |       |
| DA012 |  | 3 / 2 |
| DA019 |  |       |

### 7.2

#### 7.1-4

|       |  |       |
|-------|--|-------|
|       |  |       |
| N1 1m |  | 2 / 2 |
| N2 1m |  |       |
| N3 1m |  |       |

---

|    |    |  |  |
|----|----|--|--|
| N4 | 1m |  |  |
|----|----|--|--|

---

## 8

### 8.1

8.1-1

3-2

|  |  |               |          |           |                                          |
|--|--|---------------|----------|-----------|------------------------------------------|
|  |  |               |          |           |                                          |
|  |  | HJ 57-2017    | /ZR-3260 | ZH-CY-139 | 3mg/m <sup>3</sup>                       |
|  |  | HJ 693-2014   | /ZR-3260 | ZH-CY-139 | 3mg/m <sup>3</sup><br>3mg/m <sup>3</sup> |
|  |  | GB 12348-2008 | AWA5688  | ZH-CY-03  | —                                        |

### 8.2

### 8.3

1

2

3

HJ 630-2011

4

5

---

## 9

### 9.1

2025    4    25    ~4    26    9    3    ~9    4

9.1-1

#### 9.1-1

|      |    |    |  | m <sup>3</sup> /h |  | m <sup>3</sup> /h | %     |
|------|----|----|--|-------------------|--|-------------------|-------|
| 2025 | 4  | 1# |  | 0.016             |  | 0.013             | 81.25 |
|      | 25 | 2# |  | 0.016             |  | 0.014             | 87.5  |
| 2025 | 4  |    |  |                   |  |                   |       |

|                                 |     |                   |       |       |       |       |       |       |    |
|---------------------------------|-----|-------------------|-------|-------|-------|-------|-------|-------|----|
| 2#<br><br><br><br><br><br>DA019 |     | mg                |       |       |       |       |       |       |    |
|                                 |     | kg                | 0.041 | 0.043 | 0.044 | 0.040 | 0.040 | 0.040 | \  |
|                                 | N·m |                   | 2083  | 2096  | 2099  | 1848  | 1859  | 1872  | \  |
|                                 |     |                   | 4.9   | 4.9   | 4.9   | 4.2   | 4.2   | 4.2   | \  |
|                                 |     | mg/m <sup>3</sup> | 3L    | 3L    | 3L    | 3L    | 3L    | 3L    | \  |
|                                 |     | mg/m <sup>3</sup> | 3L    | 3L    | 3L    | 3L    | 3L    | 3L    | 50 |
|                                 |     | kg/h              | \     | \     | \     | \     | \     | \     | \  |
|                                 |     | mg/m <sup>3</sup> | 19    | 20    | 20    | 22    | 22    | 23    | \  |
|                                 |     | mg/m <sup>3</sup> | 21    | 22    | 22    | 23    | 23    | 24    | 30 |
|                                 |     | kg/h              | 0.040 | 0.042 | 0.042 | 0.041 | 0.041 | 0.043 | \  |

### 9.2.3

### 9.2.4

9.2-3

9.2-3

|        | kg/h   | kg/h  |
|--------|--------|-------|
| 1#     | 0.0055 | 0.041 |
| 2#     | 0.0063 | 0.042 |
|        | 0.028  | 0.199 |
| 1<br>2 | 2400h  |       |

9.2-4

t/a

|     |                     | 0.003   | 0.003             |
|-----|---------------------|---------|-------------------|
|     |                     | 0.028   | 0.15              |
|     |                     | 0.199   | 0.23              |
| (1) | 60m <sup>3</sup> /a |         |                   |
| (2) |                     | 50mg/L× | ×10 <sup>-6</sup> |

9.2-8

COD

0.003t/a

0.028t/a

0.199t/a

### 9.2.6

## 9.3

---

**10**

**10.1**

**10.1.1**

COD SS

**10.1.2**

**10.2**

**10.3**

“ ”

( )

( )

( )

|  |     |         |     |     |       |       |       |           |         |                    |           |                               |        |        |  |
|--|-----|---------|-----|-----|-------|-------|-------|-----------|---------|--------------------|-----------|-------------------------------|--------|--------|--|
|  |     |         |     |     |       |       |       |           |         |                    |           |                               |        |        |  |
|  |     | C3514   |     |     |       |       |       | □         |         |                    | /         | 112.805711619<br>28.202139178 |        |        |  |
|  |     | 2 1.4MW |     |     |       |       |       | 2 1.4MW   |         |                    |           |                               |        |        |  |
|  |     |         |     |     |       |       |       | [2024]114 |         |                    |           |                               |        |        |  |
|  |     | 2025 2  |     |     |       |       |       | 2025 3    |         |                    |           | 2025 8                        |        |        |  |
|  |     |         |     |     |       |       |       |           |         |                    |           | 91430100MA40N6301C001V        |        |        |  |
|  |     |         |     |     |       |       |       |           |         |                    |           | 81.25 87.5%                   |        |        |  |
|  |     | 50      |     |     |       |       |       | 10        |         | %                  |           | 20                            |        |        |  |
|  |     | 50      |     |     |       |       |       | 8.5       |         | %                  |           | 17                            |        |        |  |
|  |     | 0       |     | 8   |       | 0.5   |       | 0         |         |                    |           |                               | 0      |        |  |
|  |     |         |     |     |       |       |       |           |         |                    |           | 3000                          |        |        |  |
|  |     |         |     |     |       |       |       |           |         | 91430100MACK6JB1X8 |           |                               |        | 2025.8 |  |
|  |     | (1)     | (2) | (3) | (4)   | (5)   | (6)   | (7)       | (8) “ ” | (9)                | (10)      | (11)                          | (12)   |        |  |
|  |     | 11043   | /   | /   | 0.006 | 0     | 0.006 | 0.006     | 0       | 11043.006          | 11043.006 | 0                             | +0.006 |        |  |
|  |     | 5.2     | /   | /   | 0.012 | 0.009 | 0.003 | 0.003     | 0       | 5.203              | 5.203     | 0                             | +0.003 |        |  |
|  |     | 0.87    | /   | /   | 0     | 0     | 0     | 0         | 0       | 0                  | 0         | 0                             | 0      |        |  |
|  |     | /       | /   | /   | /     | /     | /     | /         | /       | /                  | /         | /                             | /      |        |  |
|  |     | /       | /   | /   | /     | /     | /     | /         | /       | /                  | /         | /                             | /      |        |  |
|  |     | 0.56    | /   | /   | 0.028 | 0     | 0.028 | 0.028     | 0       | 0.588              | 0.588     | 0                             | +0.028 |        |  |
|  |     | /       | /   | /   | /     | /     | /     | /         | /       | /                  | /         | /                             | /      |        |  |
|  |     | /       | /   | /   | /     | /     | /     | /         | /       | /                  | /         | /                             | /      |        |  |
|  |     | 0.85    | /   | /   | 0.199 | 0     | 0.199 | 0.199     | 0       | 1.049              | 1.049     | 0                             | +0.199 |        |  |
|  | 742 | /       | /   | /   | /     | 0     | /     | 0         | 742     | 742                | 0         | 0                             |        |        |  |

---

|   |  |   |      |   |   |                   |   |                      |   |   |   |   |   |   |   |
|---|--|---|------|---|---|-------------------|---|----------------------|---|---|---|---|---|---|---|
|   |  |   | 8.09 | / | / | 0                 | 0 | 0                    | 0 | 0 |   | 0 | 0 | 0 | 0 |
| 1 |  | + |      | - | 2 | (12)=(6)-(8)-(11) | 9 | = (4)-(5)-(8)- (11)+ | 1 | 3 | — | / | — | / |   |
|   |  | — | /    |   | — | /                 |   |                      |   |   |   |   |   |   |   |

---