2021

“ ”

2021 10

1.1 ..... 1
1.2 ..... 1
1.3 ..... 3
1.4 ..... 3
1.5 ..... 5
1.6 ..... 5

2.1 ..... 7
2.2 ..... 9

3.1 ..... 14
3.2 ..... 16
3.3 ..... 16
3.4 ..... 18
3.5 ..... 19

4.1 ..... 21
4.2 ..... 21
4.3 ..... 22
4.4 ..... 22
4.5 ..... 22

5.1 ..... 23
5.2 ..... 23
5.3 ..... 23
5.4 ..... 24

11.1 ..... - 46 -
11.2 ..... - 47 -

..... 48
..... 55
..... 62

..... 69
..... 75
..... 82
..... 90

1

2

3 500m

4: 5000m

5

6

7

1

2

3

4

5

6

7

8

1 2007 11 1

2 (2015 1 1 )

3 2018 10 26

4 2018 1 1

5 2020 4 29

2020 9 1

6 2021 9 1

7 2021 4 29

8 2018 12 29

9 [2015]4 2015 1 8

10 [2015]34 2015 6 5

11 2014 34

12

2010 141

13

[2018]8 2018 1 31

14 [2014]34

15

2016 74 2016 12 12

16

17 2016 14

18 2014 119 2014 12 29

19

20

21 40

22 27 2005 10 1

23 [2013]101

24 591

25 2006 24

26 2011 35

27 17

28 “ ” 2013 20

29 2005 27

30 2010 113

31

32 352

33

1 GB 18218-2018

1 10

7

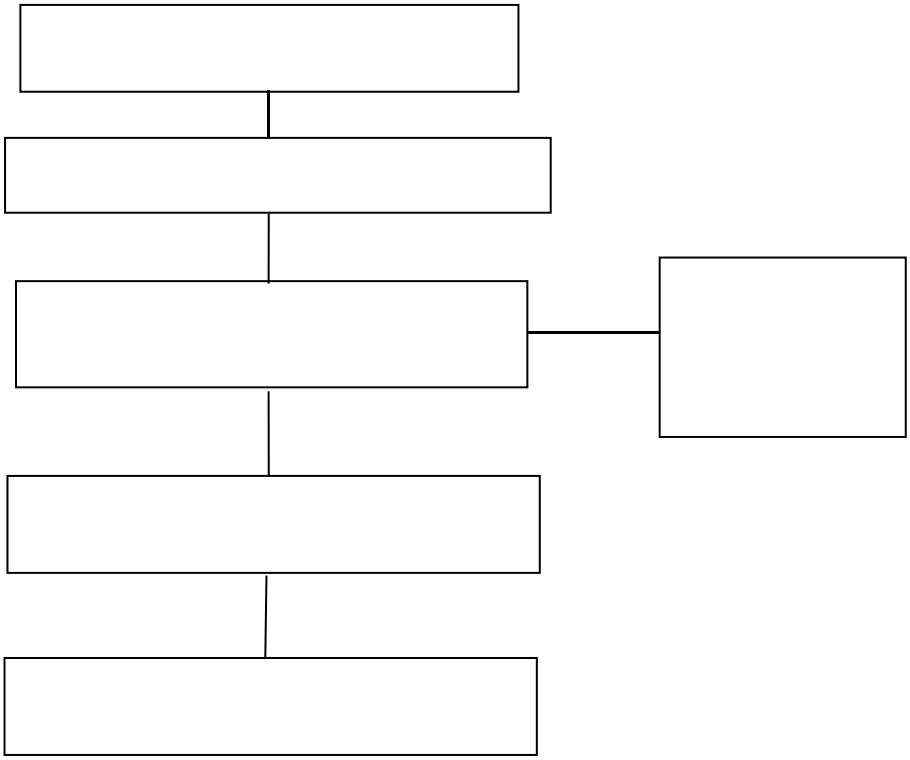
4.

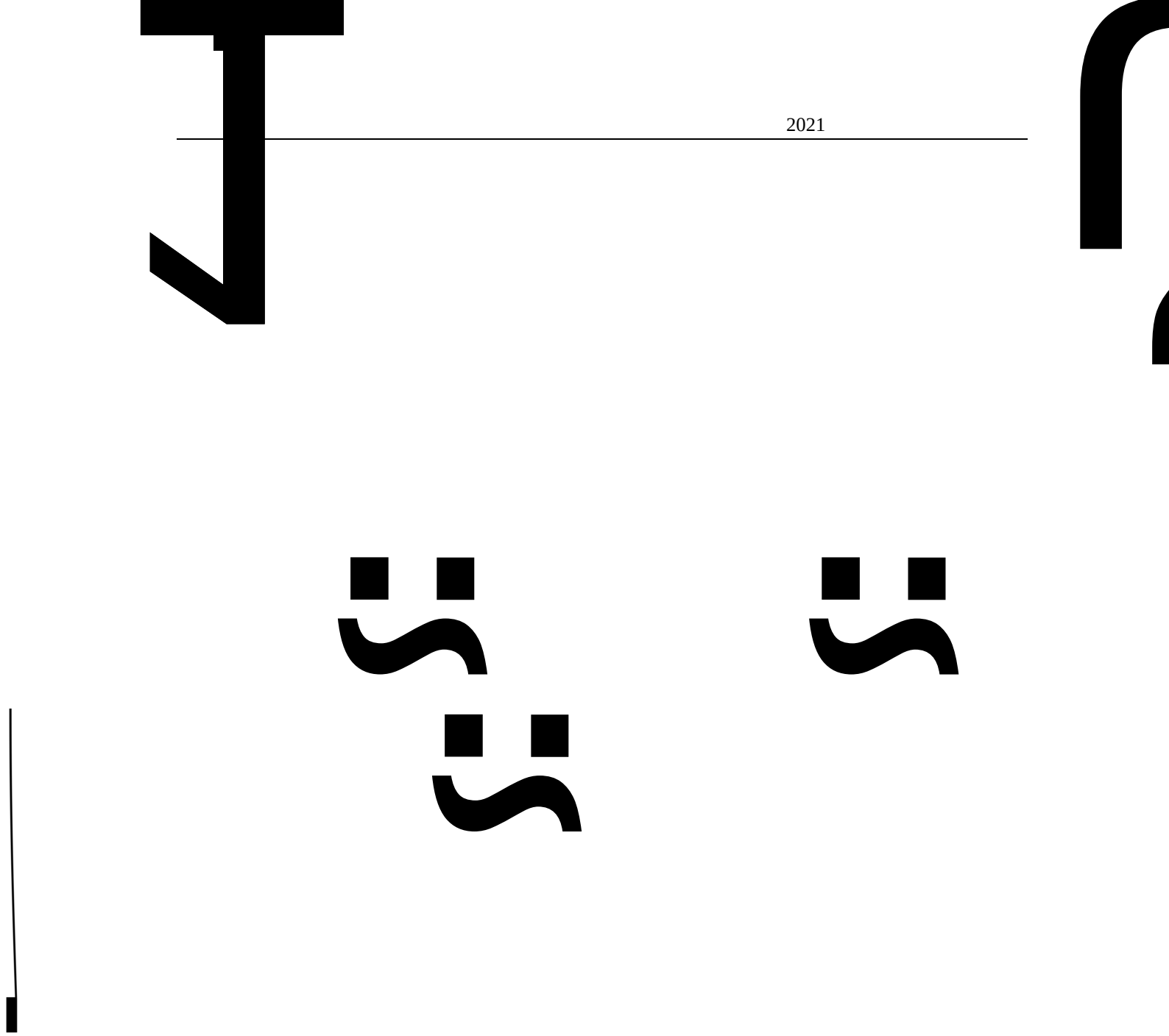
I

1 I

2

3





| | | |
|---|---|---|
| | | 18851398655 |
| | | 18679332301 |
| | | 13593560781 |

| | | |
|---|---|---|
| | | |
| | | 15156622922 |
| | | 15279308891 |
| | | 15270548858 |

| | | |
|---|---|---|
| | | |
| | | 18370055321 |
| | | 18006701901 |
| | | 15279389552 |

| | | |
|---|---|---|
| | | |
| | | 15271866976 |
| | | 15015885094 |

| | | |
|---|---|---|
| | | |
| | | 15270548858 |
| | | 15727524272 |

“ ”

- 
- 
- 
- 
- 
- 
- 
- 
- 

1

2

“ ”

3

3

1

2

3

4

1

2

3

4

5

4

1

2

3

1

2

3

4

5

6

7 “

”

8

9

10

11

1

2

3

4

5

6

7

8

9

10

11

12

13 $1800m^3$ $1000m^3$

14

$1800m^3$

1

2

3

24

0793-6627688

2.1.2-1 2.1.2-2

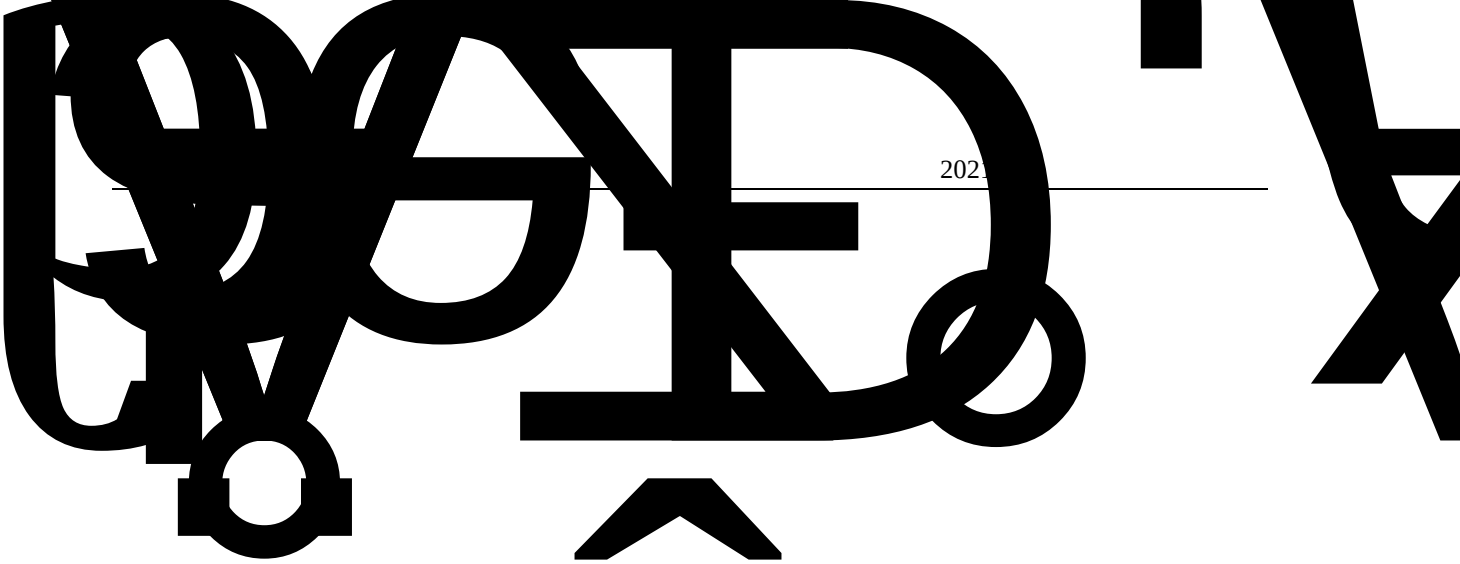
1

2 ˝H ḏ v в

24

1

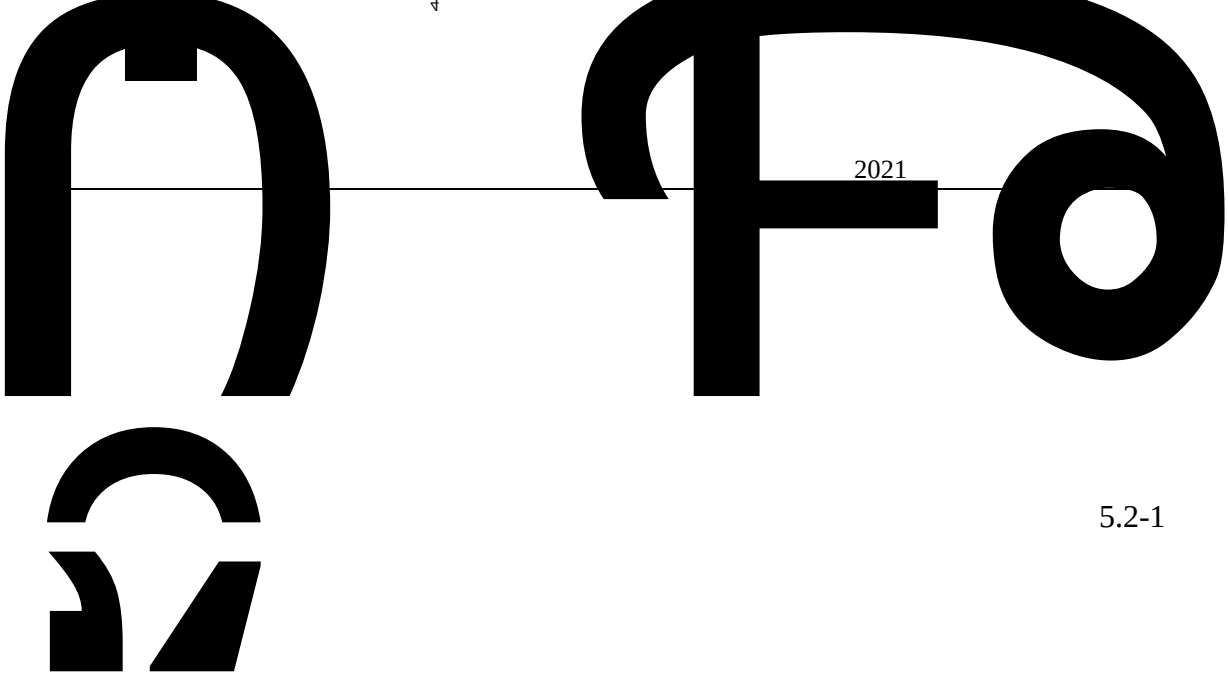
2



1

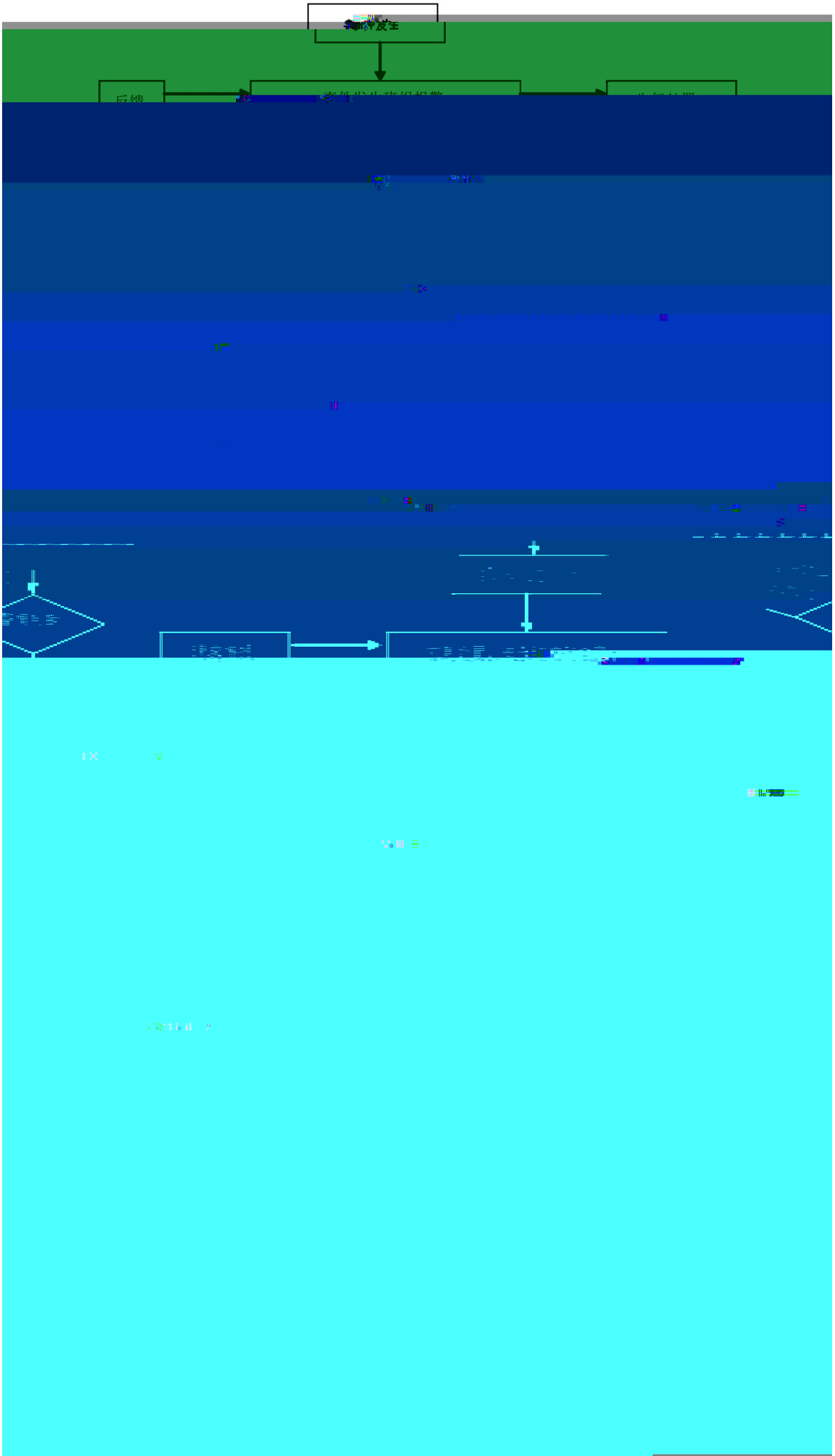
1

30



5.2-1

3.



1

2

1

2

3

1

2 3

3

4 2 "

1

- 
- 
- 
- 

1)

2)

3)

4)

5)

1

1 $SO_2$ NOx HCl $PM_{10}$ $PM_{2.5}$ Hg Pb Cd VOCs CO

2

2

1 pH CODc

4 “ ”

5

1 “ ”

2

3

4

1

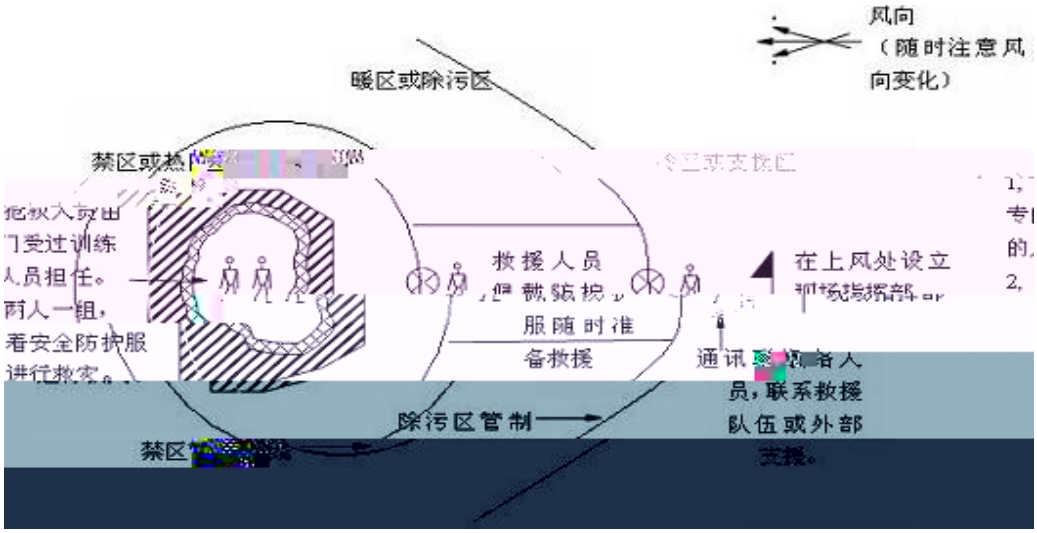
2

3

1

| | | |
|---|---|---|
| | | |
| | | |
| | | |
| | | ( ) |
| | | ( ) |
| | | |
| | | |

2



1

2

3

4

5

1

2

3

4

1

2

3

4

1

2

3

4

5

6 ἕα

7

8

9

10

1

2

3

2021

1

2

2

1

20

1

2018

HJ/T298

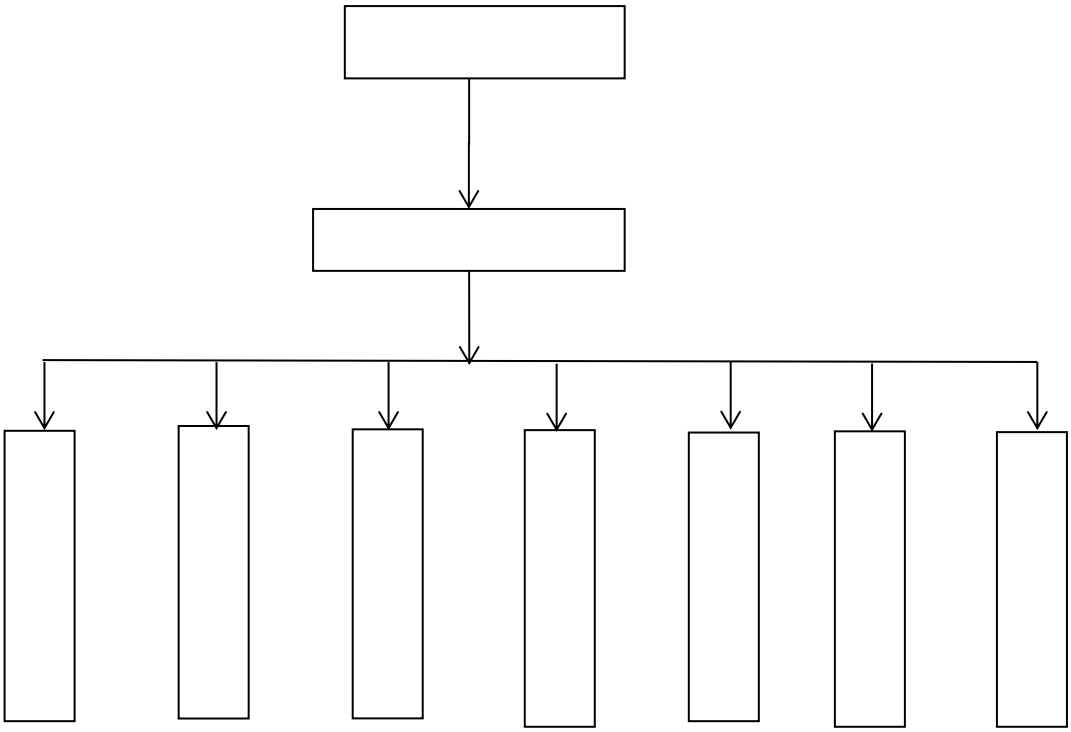
m "

11.2-1

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

“ ”

7



- 
- 
- 
- 
- 
- 
- 
- 

2021

4

5

1

2

3

6.1.4.3

17.4%

—

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

1 I

2

3

4

5

$SO_2$ TSP HCI Pb Hg Cd

4 6 8

6

7

1

2

3

4

5

“ ”

7

2021

2

ธ๊ Ī ธ๊ซ๋ ก 4

5

1

2

1

2

3

—

Ė

1

2

3

4

4

6

3

4

5

- 2

1

2

“ ”

3

سي

3

1

2

سي

2

ธ๊ Ī ธ๊ช๋ ก 4

5

1

2

1

2

3

—

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

“ ”

1

2

3

4

5

6

صد

7

1

2

3

4

5

# 目

- 
- 
- 
- 
- 
- 
- 
- 
- 

2021

5

1

2

3

1

2

3

4

1

2

3

4

1

2

3

—

2

1

2

3

4

5

“ ”

7

- 
- 

●

1

2

“ ”

3

3

1

2

3

4

1

2

3

4

5

1 فج ٢

4

1

2

3

“ + MBR + RO ”

“ + + +

”

GB12523-2005

1800m$^3$

CODcr BODs SS $NH_3$-N

1

2

3

4

5

6

| | | |
|---|---|---|
| | | |
| 1 | | 1800m$^3$ |
| 2 | | |
| 3 | | |

1

2

3

4

5

“ ”

7

- 

- 

2

3

4

5

1

2

3

1

2

3

4

1

2

3

2

3

1

“

”

1

—

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

I

1

2

1

2

3

4

5

1

1

2

3

4

5

6

pH

$COD_{Cr}$

1

1

2

3

4

1

2

3

| | |
|---|---|
| | 1<br><br><br><br>2 119 120 |
| | |
| | 13879016115<br>15271866976 |
| | I |
| | 1<br><br><br>2<br><br><br><br>3<br><br><br><br>4<br><br><br> |
| | 1 $SO_2$ NOx HCl $PM_{10}$ $PM_{2.5}$ Hg Pb Cd CO<br>2 /<br>3 30m<br>4<br>4 30min<br><br><br><br>1 pH CODcr<br>2 / |

3

4 30min

7.

1 pH CODcr

2 /

3

4 30min

7.6

1

m " سم كا مح

فقد

2

3

4

5

| | | |
|---|---|---|
| 1 | pH | CODcr |
| 2 | / | |
| 3 | | |
| 4 | | 30min |