JYFLHJYA-2024

2024 4

2024 2024

1

1.1

1.2

1.2.1

1 2007 11 1

2 2015 1 1

3 2017 6 27

4

2018 10 26

5 2019 1 1

6 (

2020 9 1)

7 2021

8 2021

9 2018.12.29

1.2.2

1 2005 1 26 79

2006 1 8

2 2014 119

3 2022

4 2021 15 2020 11 5

2021 1 1

5 2013 12 4 32

2013 12 7

6 2002 4 30

57 2002 5 12

7 2024 5

8 2009 130

9 2011 17

10

2015 4

11

2016 74

12 2021

16 2020 11 5 2021 1 1

13 HJ 941-2018

14

15 HJ 589-2021

16 DB 37/T 3599-2019

17

18 (2014 15)

19 2021 14

20

21

2016 141

22 2020 37

23 2023 42

24

2020 1 1

25 (2016

37)

26 2024 5

27 <

> 2017 21

28

2018 8

29 2022 6

1.2.3

1 GB18218-2018

2 GBZ 2.1-2007

3 GBZ 2.2-2007

4 GB12268-2012

5 GB/T29639-2013

6 GB30077-2013

7 GB18597-2023

8 GB18599-2020

9 Seveso III Directive III

10 GB30077-2013

11 GB50974-2014

12 GB50140-2005

13 HJ169-2018

14 HJ2025-2012

15 GB6222-2005

16

2011 142

17 HJ/T166-2004 2004 12 9

2004 12 9

18 HJ164-2020

19 < >

2021 1 2021.01.05

20 2020.05.21

21 GB 6222-2005

22 GB50406-2017

23 DB37/ 990-2019

24 DB 37/990-2013

25 DB 37/2376-2019

26 2019 35

27 GB 13456-2012

28 (

2022 231)

29 GB50406-2017

30 2 HG/T4335.2-2012

1.2.4

1

2016 12

2

2019 9

3

2020 12

4 2021

371212-2021-078-M

5

1.3

1

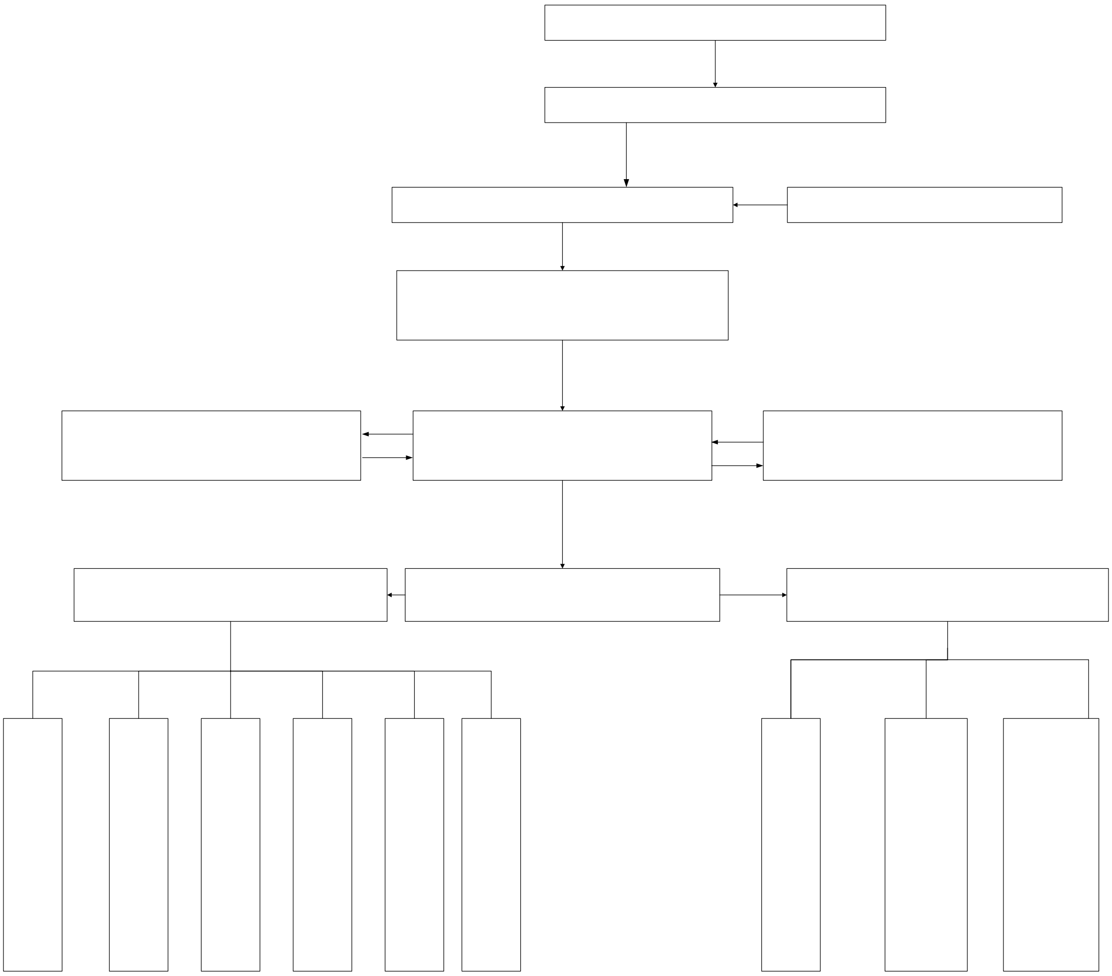
1.4

1 1

2

3

4



1-2

1

2

3

1.6

1

2

3

4

2

2.1

2.1.1

2 $105m^2$ 2 $320m^2$

2 $420m^3$ 1 $1250m^3$ 2 $1650m^3$

SO_2 NO_X

SO_2 NO_X

2 $420m^3$ 1 $1250m^3$ 2 $105m^2$ 2

$320m^2$ 2 $1650m^3$

2016 130

2.1-1

			913712001695745282
			13561713679
			qingjin1999@163.com
	1964		C3110
	1155		
	36°18'19.00"N 117°32'32.00"E		
	1155 365 24		

2.1.2

1#-5#

TRT

1#-4#

2

2.2

1

36 40 117 00

117 19 04 117 58 05 36 01 54

36 33 10

1739.61

205

2

3000 900

7 600

59.89% 20.34% 19.77%

7 14 148.13

994

3

1

-

Q

2.4m 1m

46m

K2-Eg

10 °

P1-

- C2P1t C2b

150m

50m

O2-3M

25 °

4O1s 3-4g 3z

4O1s

3z

jZ

cM

Art

>10000m

2

I II III

IV V IV V

3

4

GB18306-2015 A

7

0.10g

4

1

5~15m

1000~3000m^3/d

500m^3/d

1000m^3/d

1~5m 1~3m

0.11 0.73g/l HCO$_3$-Ca

100m^3/d

500m^3/d 500~1000m^3/d

1000~5000m^3/d

HCO_3-Ca·Mg 0.5~0.8g/l

20~30m

100m^3/d

4~6m

2

1

6~9

2

3

4

1

2~7m 3~5m

2

7-9

5-6

5

18

395 98% 2%

395 5km 70 59km

$50km^2$ $100km^2$ 8 $100km^2$ $1000km^2$

4 1000km^2 1

5 20 80

613 2.08 m^3

65.5km 1214km^2 100 500m

3

22.5km 82.2km^2 40 150m

6

2016 25

3

7

2019 238

3

6

7

13.5 -5.3

26 -15.6

39.9 60% 72%

62% 752.1mm 936.2mm

178mm 258mm

180

40 93

30

284

17.40

13.27

76.3% 3 17.27% 1.12

6.42% 4.84 0.0704

2.3

2.3.1

2.3-1

2.3-1 1

		1 1000m^3 1#-3# 4# 5# 1 1000m^3 4# 5#

2.3-1 2

		2×420m^3 1280m^3 2×1650m^3
		TRT 4
		4×75m 4×50m
		1# 2#3# 4# 5# 4

2.3.2

2.3-2

2.3-2

				t/a
	1		PB	5010916

			FB P +	
	2			627166.5
	3		3~0mm	615576
	4		25~0mm	313058
	5		40mm	33013.6
	6		/	818251.6
	7		/	236099.5
	8		20%	1155
	1		10^4kWh/a	30208
	2		10^4m^3/t	111.6
	3		10^4m^3/a	3948
	4		10^4GJ/a	26.28
	5		10^4Nm^3/a	1216.8
				t/a
	1		5~150mm	6441373
				t/a
	1			5786326
	2		6~18mm	424876
	3		5~30mm	1050221
	4		/	1773042
	5		/	516525
	1		10^4kWh/a	10160.92
	2		10^4m^3/t	224.63
	3		10^4m^3/a	273876.48
	4		10^4m^3/a	1172
	5		10^4t/a	259.56
	6		10^4Nm^3/a	9142
	7	2%	10^4Nm^3/a	22177
	8		10^4Nm^3/a	14094
	1	+	t/a	4258890
	2		m^3	763016
	3		10^4kWh/a	1917

2.3-3

2.3-3

		1m×2.5m×0.72m	2
		140m^2	2
		G4-73.NO18D	4
		LK-22.5m	2
		LDA-10	1
		TDSS2690	2
			1
		315×4157×3147mm	2
		130m^2	2
		113m^2	2
		75m^2	1
		320m^3	2
		320m^2	2
		Y3790/48K	14
		LK-22.5m	4
	16T	GD16/32-13.5A5	2
		LHBJ-V150×600	4
			2
			2
		130m^3	2
		113m^3	2
		75m^3	1
		220m^3	2
		1200x1000	4
		B650	8
		B800	24
		B1200	34
		PDx 32SDF1	32
		1000x7180x10	32
		400x2000mm	4
		400	4
		3800x14000mm	2
		4400x18000mm	2
		1282x4046mm	2
		3100x7800mm	2
		XB1640x2460	2
		XB1640x3100	2
		XB1640x2200	2
		900x700	2
		B650	15
		B1000	12
		B1200	2
		1000x5000x10	15

		J360	2
		3000x12000mm	1
		3000x12000mm	1
		1500x2740mm	2
		XBSFJ-1 185x500	1
		XBSFJ-1 185x520	1
		HYC-5500	1
		420m^3×2	2
		1250m^3	1
		1650m^3	2
		KJ-IA(DLYA)	2
		YYG250C2-13	2
		KJ4000F	4
		KD300	2
		KD100	2
		YP3080	4
		Y4-2×73-23F	1
		[redacted]	1

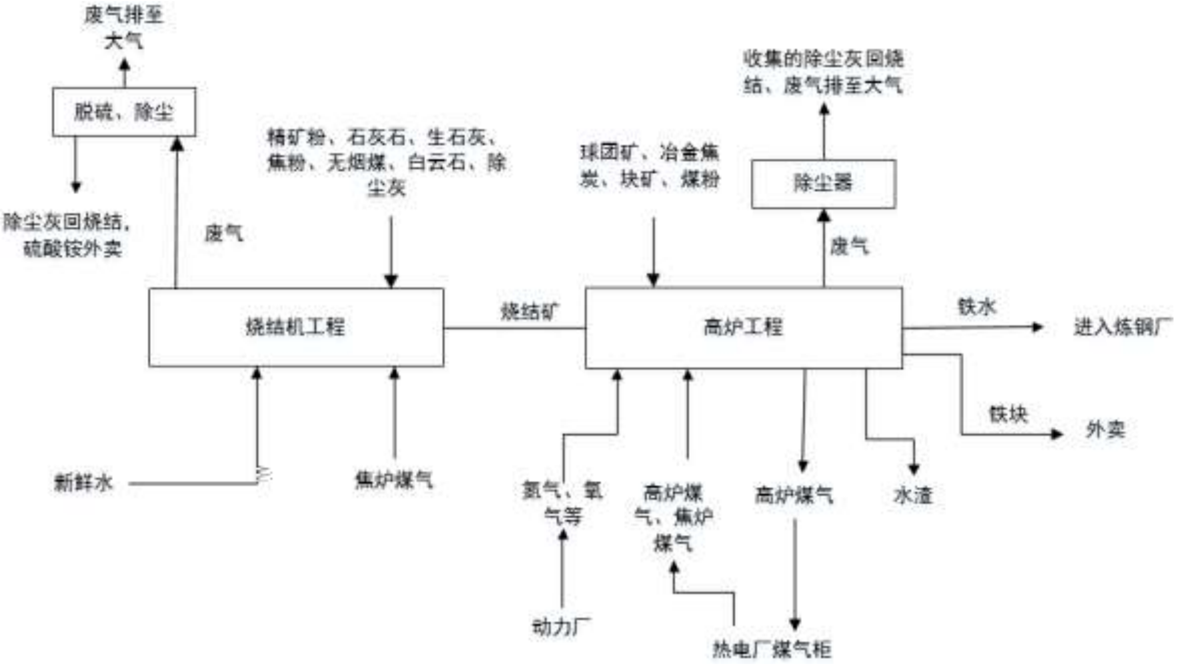
		14mx8mx4m	1
		9mx16mx6m	3
		1m^3	3
		11m^3	2
		100m^3	1
		2.87m^3	1
		20m^3	2
		1.38m^3	13
		3m^3	4
		13m^3	1
		1.5m^3	2
		0.5m^3	1
		10m^3	3
		5.09m^3	2
		6m^3	1
		3.4m^3	2
		50m^3	1
		18m^3	1
		KQSN600-M9/751	8
		XBC5.9/410-400N9/486	4
		KQSN350-M6/654	8
		XBC6.0/210-300M9/445	4
		KQSN150/460-75/4	12
		XBC8.0/55-W150*25*4	4
		KQSN300 N9/445	8
		KQSN150-M9/206 T	12
		KQSN300-M9/387 T	12
		KQSN250-M9/327	8
		KQSN300-M13/313	12
		LF-47(B) :7.35 ×104m^3/h	8
		DN300	5# 2
		DN450	5# 2
		JHGXY-3600	5# 2
		ZP9x3	5# 12
		LF50S	5# 2
		3600	4# 2
		STDN450	4# 2
		STDN300	4# 1
		GSL-3.0	1# 1
		ZTGL-3000	1# 1
		ZZL-300-1	2#3# 1
		ZZL600-1-6/200	2#3# 1
		JLD-BZ600-L6/0.2	2#3# 2
		ZJVI600	2#3# 1
		YLF2001-4-V$_1$	2#3# 1

		LF-47	2#3#　　1
		ZP9x3	1#　　27
		ZP9x3	4#　　12
		Q=750m^3/h	4#　　2

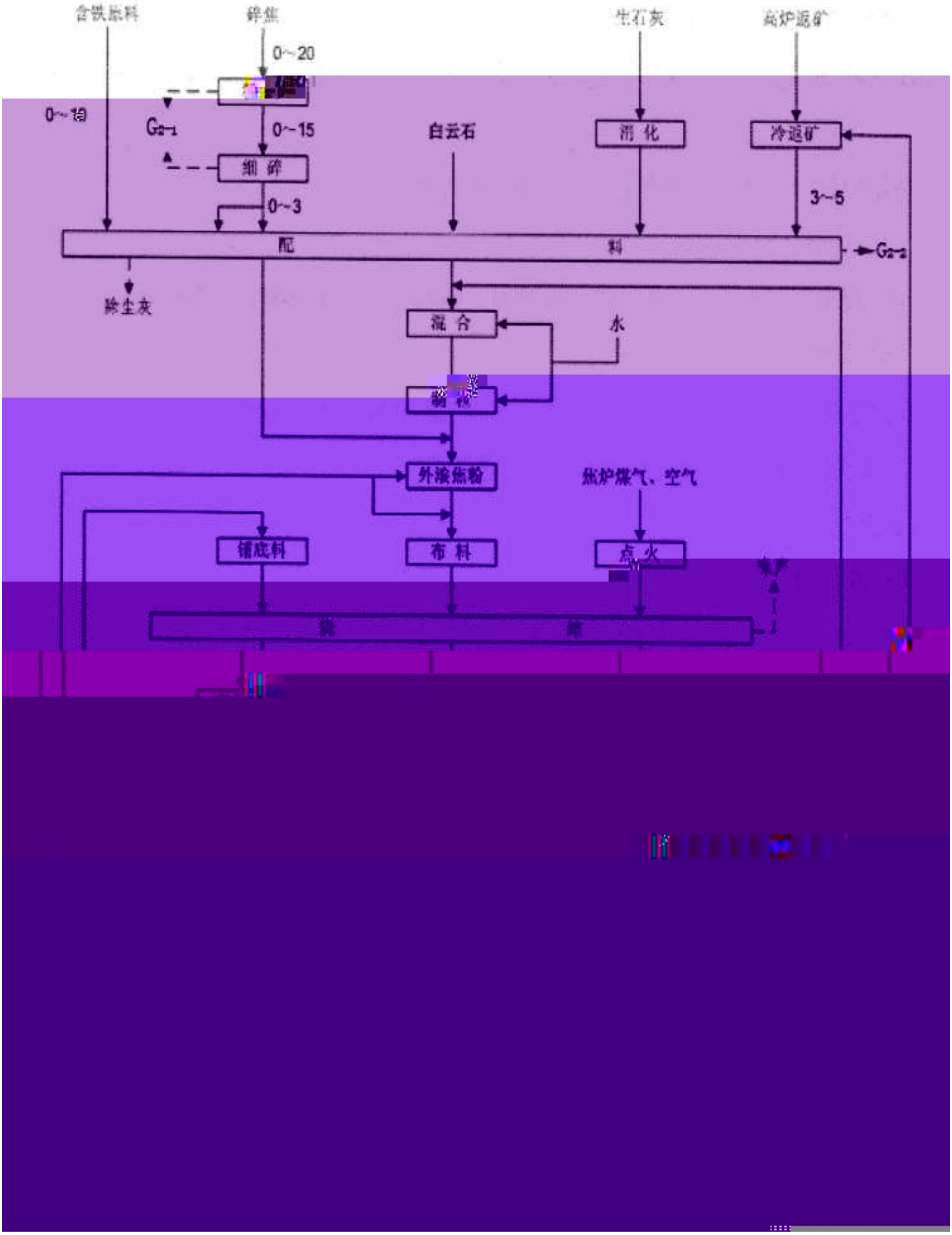
2.3.3

A.

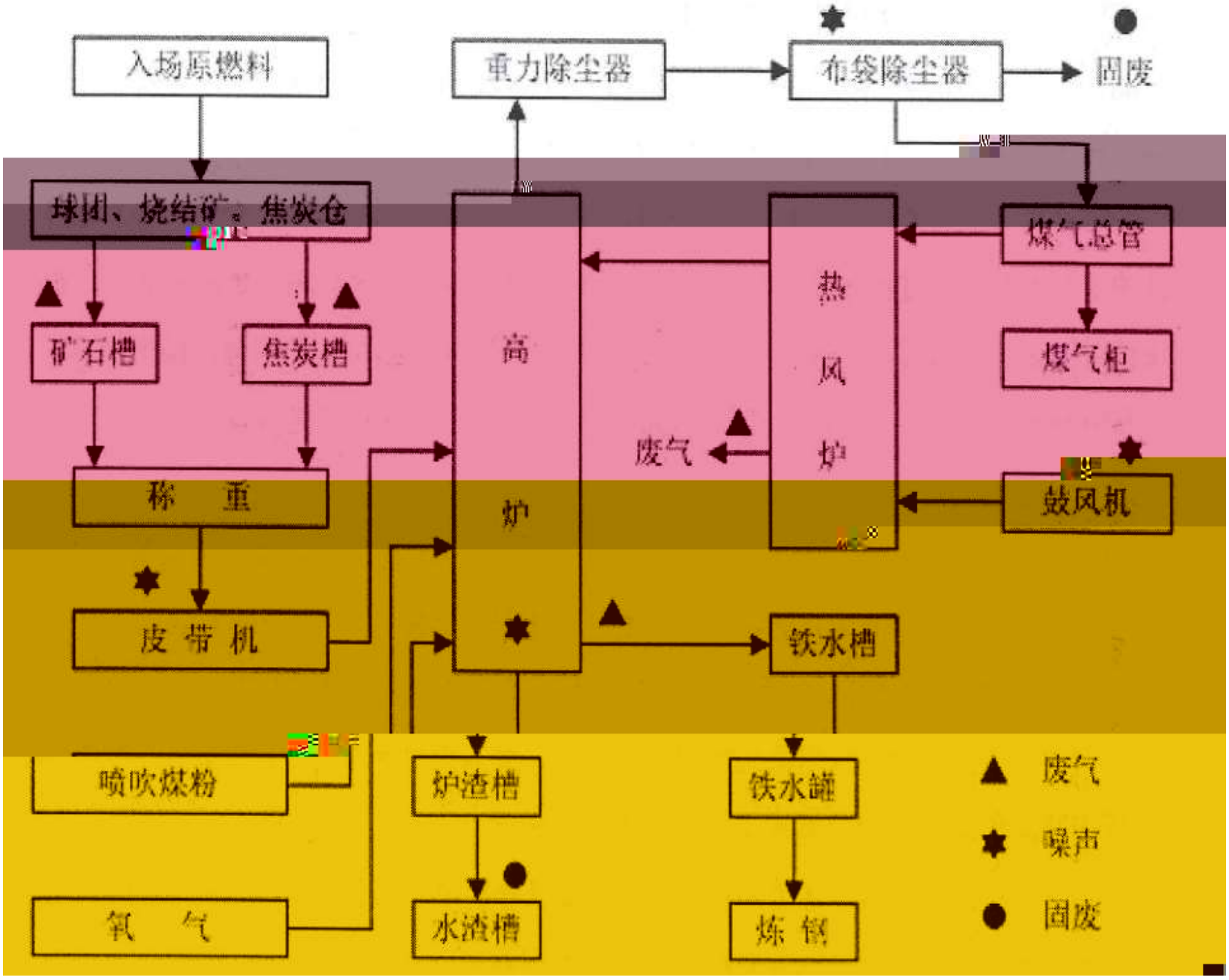
2.3-1　　　　　　　　　　2.3-2~2.3-3



2.3-1


含铁原料
碎焦
生石灰
高炉返矿
0~20
0~10
G2-1
0~15
白云石
消化
冷返矿
细碎
0~3
3~5
配料
G2-2
除尘灰
混合
水
制粒
外滚焦粉
焦炉煤气、空气
铺底料
布料
点火
烧结

2.3-2


入场原燃料
重力除尘器
布袋除尘器
固废
球团、烧结矿、焦炭仓
煤气总管
矿石槽
焦炭槽
高炉
热风炉
煤气柜
废气
称重
鼓风机
皮带机
铁水槽
喷吹煤粉
炉渣槽
铁水罐
氧气
水渣槽
炼钢
▲ 废气
✸ 噪声
● 固废

2.3-3

1

1

(<3mm)

2

2

16

3

1

4

1 00×18000mm

5

10 20mm 30 50mm

150mm

150

6

3

2

>5mm

2

1

2

/

2

30min 10min

20min

20min

140t

3

3

180

19 1250

3 2 1 1

) 1

4

5

1.2-4.0mm

1

7m

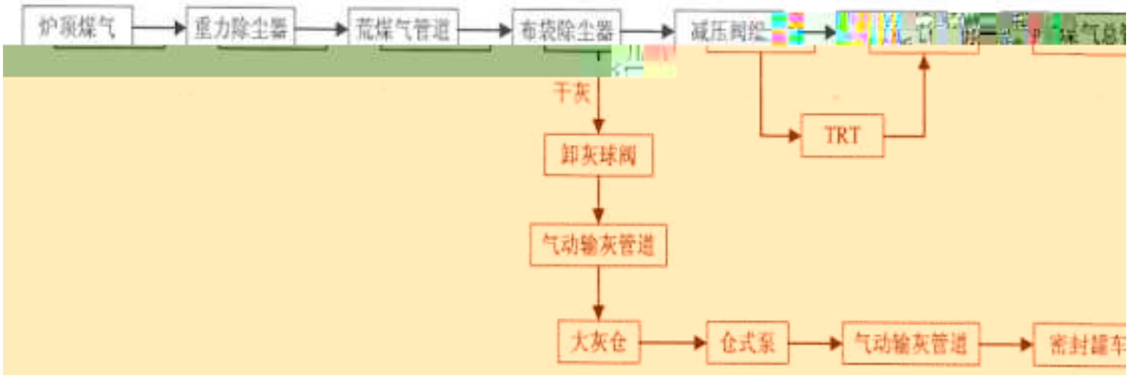
6

4 1 1

6 10g/m^3

7

2.3-8



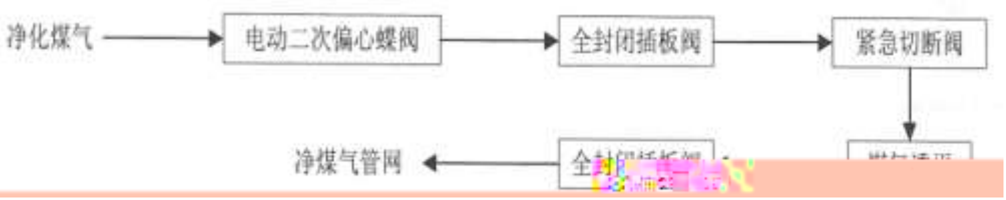
2.3-4

90 260 ℃ 260 ℃

90 ℃

TRT

TRT)



2.3-5 TRT

8

TRT

TRT TRT

2.3-6

B.

2.3-5

	DA031	5#			+30m
	DA001				+30m
	DA002	YZ-6			+30m
	DA087	$3^{\#}4^{\#}$			+15m
	DA074	$22^{\#}$			+27m
	DA085	$23^{\#}$			+21m
	DA084	$20^{\#}$			+21m
	DA004	$15^{\#}$			+20m
	DA005	$25^{\#}$			+19m
	DA006	$26^{\#}$			+19m
	DA072	$9^{\#}$			+30m
	DA073	$18^{\#}$			+24m
	DA096				+25m
	DA094	C			+25m
	DA024	$2^{\#}$			+28m
	DA069	$3^{\#}$			+28m
	DA070	$4^{\#}$			+28m
	DA025				+24m
	DA095	E			+25m
	DA017				+30m
	DA059	4#			+35m
	DA043	4#			+32m
	DA088	4#			+30m
	DA060	5#			+32.8m
	DA046	5#			+31.7m
	DA056	5#			+30m
	DA029	1#			

	DA008	1#2#			SO_2 NOx	+ +125m
	DA009	1#				+21m
	DA011	2#				+39m
	DA090	1#				+15m
	DA007	1#				+25m
	DA022	1#				+30m
	DA021	1#				+30m
	DA028	2#			SO_2 NOx	+55m
	DA027	2#3#				+24m
	DA026	2#				+26m
	DA065	3#			SO_2 NOx	+55m
	DA039	3#				+27m
	W1				SS	
	W2				COD BOD_5 SS	
					2023 **t**	
					298551.67	
					1305116.68	
					4727.56	
					5.2	
					39294.76	

					5.304	
					/	
	N				(dB)A	

DB37/990-2019

1 /

2.4

3

2.4.1

HJ 941-2018

5

7		1509	N	2293		0531-76522446
8		1527	SE	607		0531-76550196
9		1619	S	1937		0531-76523498
10		1719	SE	1138		0531-76550154
11		1720	S	1055		0531-76523147
12		1959	NE	1022		0531-76522545
13		2042	E	875		0531-76521479
14		2056	SE	1068		0531-78550117
15		2110	E	291		0531-76656029
16		2168	S	1439		0531-76236879
17		2284	W	792		0531-76518328
18		2439	NE	2307		0531-76522992
19		2480	NW	1907		0531-76522927
20		2580	E	100		0531-76656211
21		2631	N	1068		0531-76521478
22		2652	NW	967		0531-76620422
23		2707				

49		3876	NE	2751		0531-76628140
50		3948	E	2468		0531-76655037
51		3976	SE	1761		0531-78615188
52		3997	S	933		0531-76520913
53		4117	NW	903		0531-76526182
54		4144	N	805		0531-76524217
55		4160	SE	367		0531-78615261
56		4162	W	682		0531-76511283
57		4189	S	611		0531-76520040

GB36600-2018 1

3

3.1

2018 14

Q

M E

[- Q2-M3-E1 + - Q2-M2-E3]

3.2

4.3

3.2-1

	/		CO H_2 CH_4		
			NH_3		
			C_3H_8		
			C_2H_2		

			/		
			CO		
		/	/	/	
		/	/	/	/
		/	/	/	/

3.3

DCS

/

1

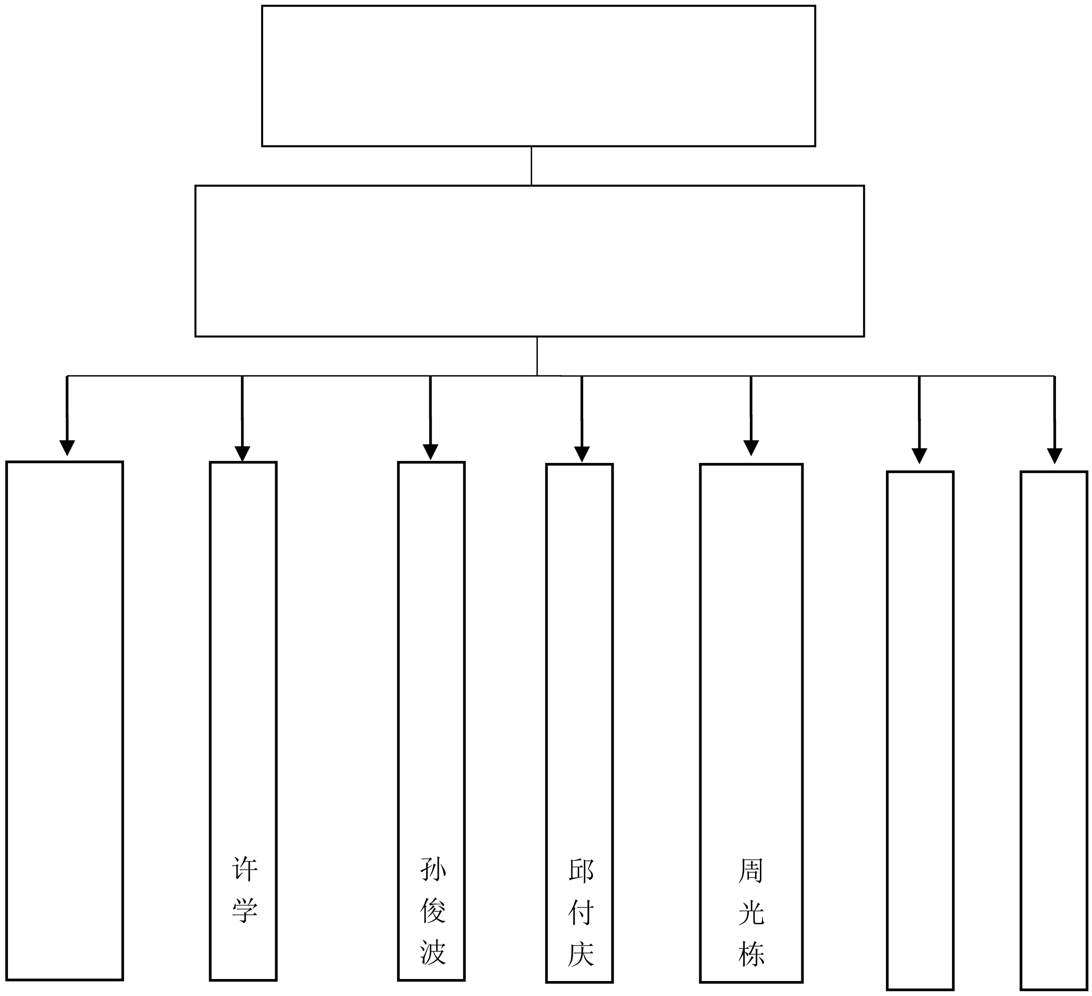
2

(   )

(   )

4

4.1



4.1-1

4.2

4.2.1

4.2.2

1

2

4.2.3

1

2

1

2

3

4.2.4

1

2

3

1

2

4.2.5

1

2

3

1

2

4.2.6

1

2

3

4

1

2

3

4.2.7

1

1

2

3

4

1

2

4.2.8

1

2

3

4

4.2.9

1

2

3

4

1

2

3

4

5

6

7

4.3

12

4.4

4.4-1 4.4-2

4.4-1

	24		0531-75819518	
				13561708577
				18263463698
				15515060692
				18062945667
				13837218278
				13641857785
				13506343316
				18763451749
				13561702997
				13863447397
				15866340126
				13863406584
				13806342099
				13963401829
				15863400882
				14763413462
				14706341518
				18763439192
				15166341778
				15763465978
				13863429498
				15163424203
				13863437319
				13561741267
				13963425440
				13455893444
				13563480462

				18763479623
				15163429192
				13646347826
				13863419772
				15263408528
				13963473928
				18763420899
				13963463628
				15133641539
				13561705829
				13666345744
				13563408068
				13563447156
				13963421552
				13863428388
				13906347140
				13561738442
				13969373438
				13963419172
				13863488087
				13455493893
				13563487058
				13506343316
				13963477486
				18363450128
				13561729024
				18266345458
				15106341925
				13516346644
				13561703537
				13506341874
				15263460590
				15763462615
				13468251106
				15863406951
				13863463644
				13563412349
				13963447912
				15020880403
				15166348309
				18766342202

			/	15064186667
			/	18663425138

4.4-2

			/	
1				119
2				120
3				122
4				110
5				0531-76213264
6				0531-76279088
6				0531-51707053
7				0531-51708400
8				0531-51708600
9				0531-76114187
10				0531-77996969 0531-77996966
11				0531-76210783
12				0531-76521651
10				13863449121
11				0531-75819931
12				19863482030
13				0531-76260279
	0533-2827073 0531-76556800 76556877 0532-83889090 010-63131122 12369			

4.5

a 24

b

c

e

f

g

h

5

5.1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

5.1-1

			/	/		

1		2				
2		2				
1		2				
1		2				
1						
2						
1						
1						

5.2

5.2.1

SCR

SO_2 NOx

5.2.2

3# 4#

14.5m×9m×1.35m 27m

13m×1.5m+6m×6m×1.5m

10^{-7}cm/s

3# 4# $0.64m^3$ $4.6m^3$

$27m^3$

1 $48m^3$ 1 $1000m^3$

1#-3# 4# 5# 1

1000m^3 4# 5#

5.2.3

1

2

3

4

5

6

7

8

9 1 48m^3 1

1000m^3 1#-3# 4# 5#

1 1000m^3 4# 5#

10

11 DCS

12 20

5

13 CO DCS

5.2.6

1

2

3

4

5

6

7

5.2.7

1

2

3

4

5

5.2.8

5.2.9

5.3

5.3.1

1

2

3

5.3.2

1

2

3

5.3.3

1

2

3

4

5

6

7

8

5.3-1

5.4

5.4.1

1

2

1

2

3

4

3

4

5.4.2

5.5

III

III

5.6

1

2

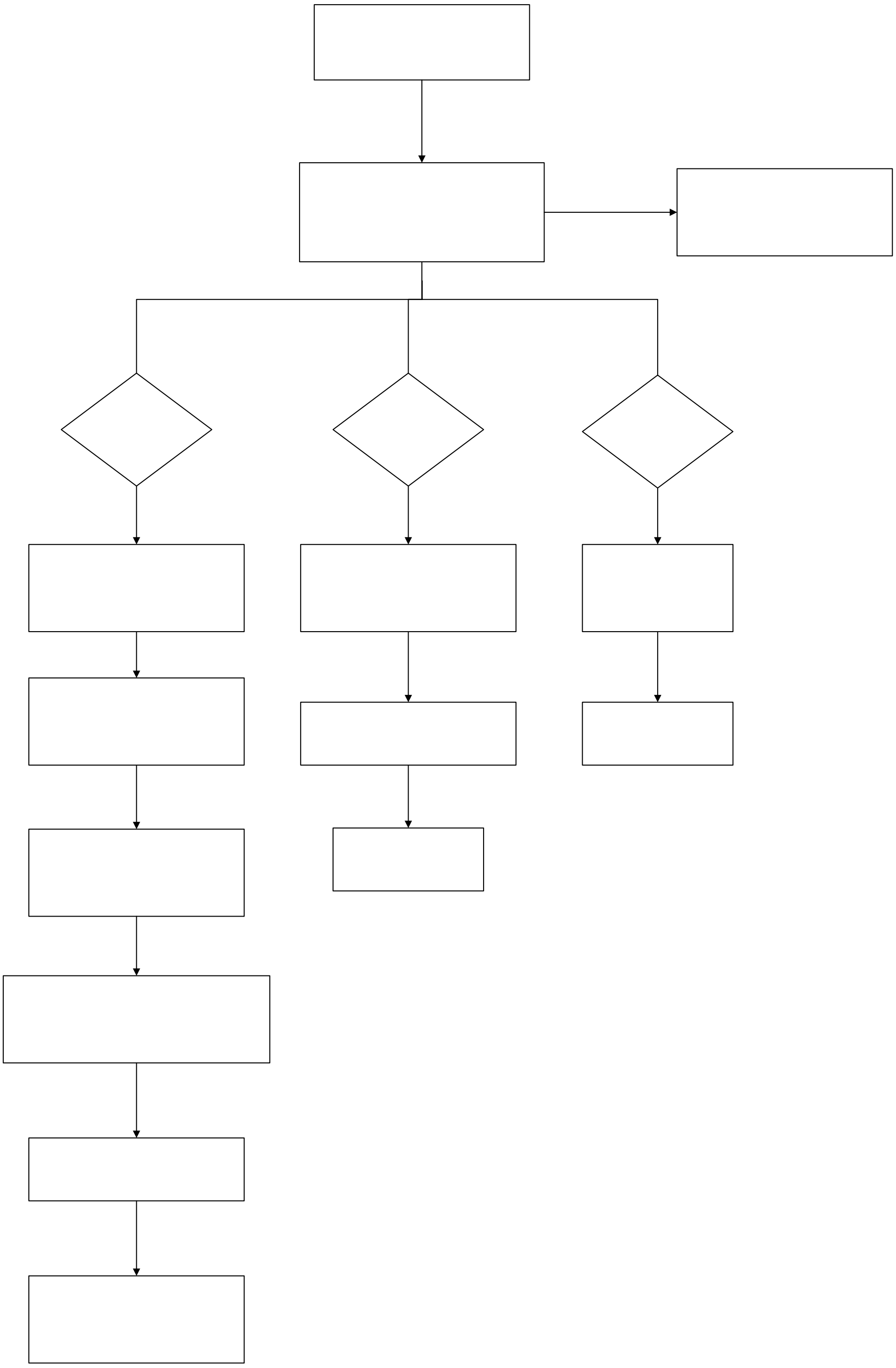
5.7

1

2

3

5.8



5.8-1

5.9

1

2

3

4

5

6

7

6

6.1

1

2

3

4

6.2

6.2.1

1

2

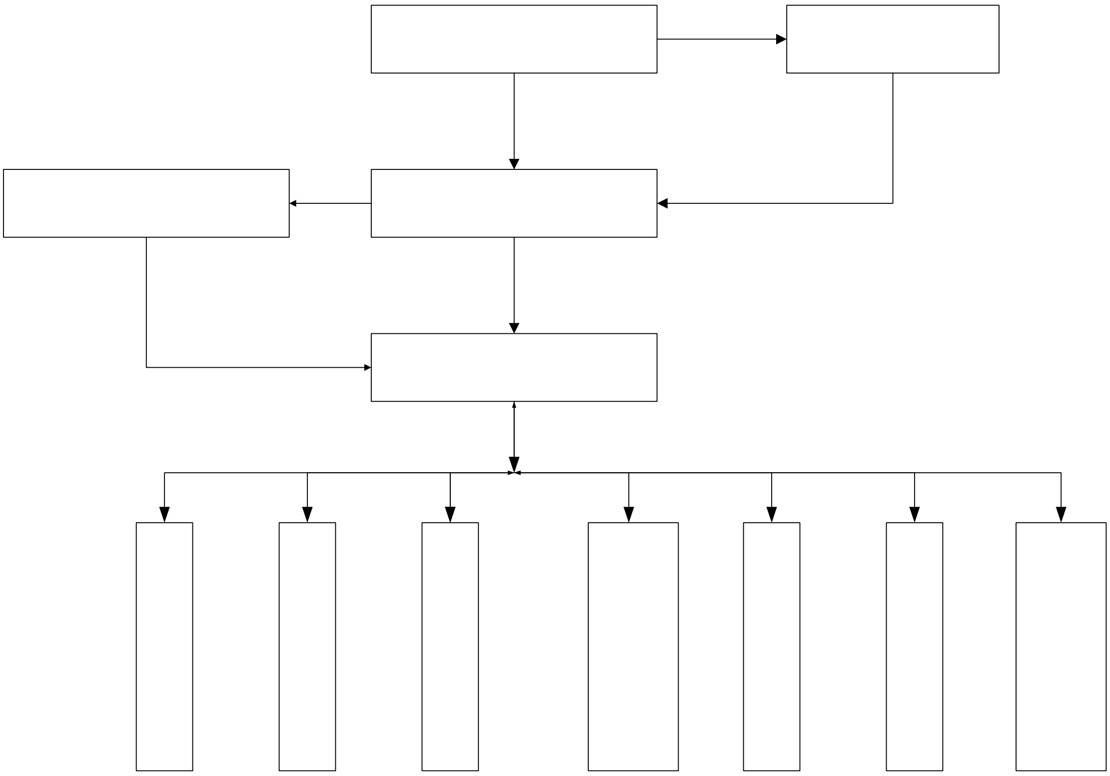
3

4

5

6

6.2.2



6.2-1

6.3

6.3.1

1

1

2

3

4

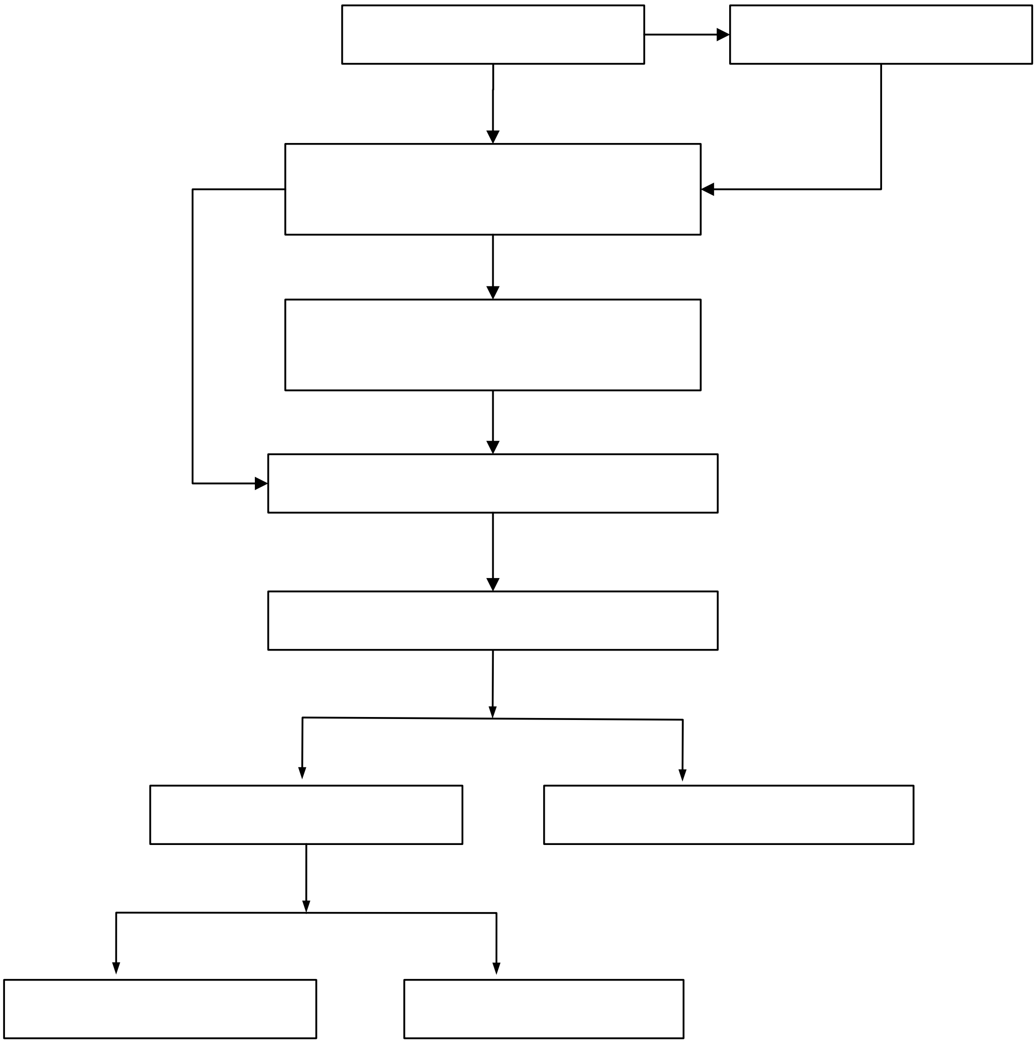
5

6

2

3

6.3.2



6.3-1

6.3.3

7

7.1

7.1.1

1

2

7.1.2

1

2

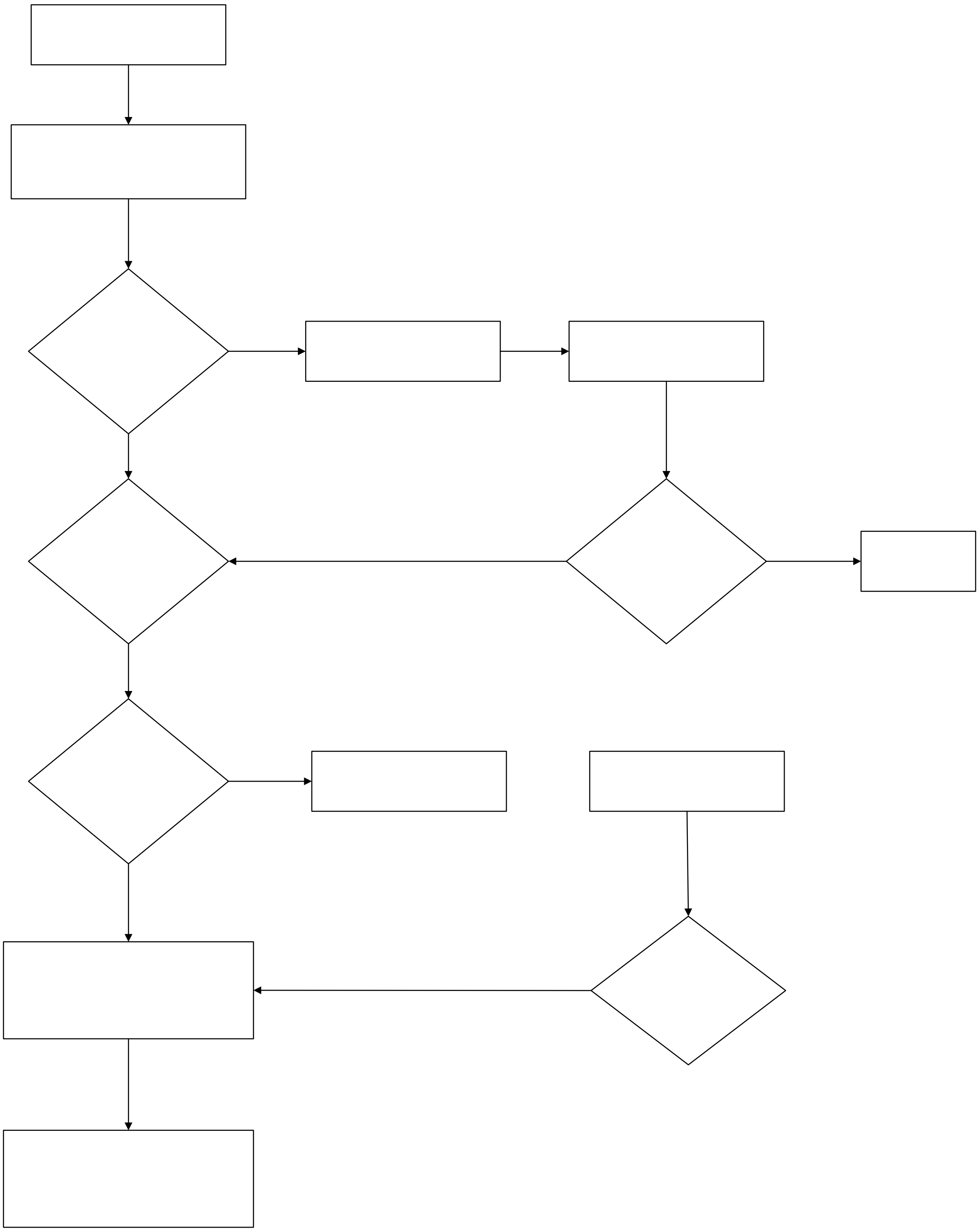
3

7.1.3

1

2

3



6.1-1

7.2

7.2.1

A.

1 CO

CO

2 /

3

4

5

6

7.2-1

		( )
		( )
	/	
	/	

B.

1

2

3

1

7

8

(

)

9

10

7.2.3

200

1

2

3

4

5

6

7.2.4

1

2

3

4

5

6

7

1

5

2

3

4

5

14--16

14--16

7.3.2

1

SO_2 NOx

2

7.3.3

1

a.

b.

500

7.3-1

2

7.3-2

7.3-2

3

7.3.4

1

2

3

4

7.3.5

1

2

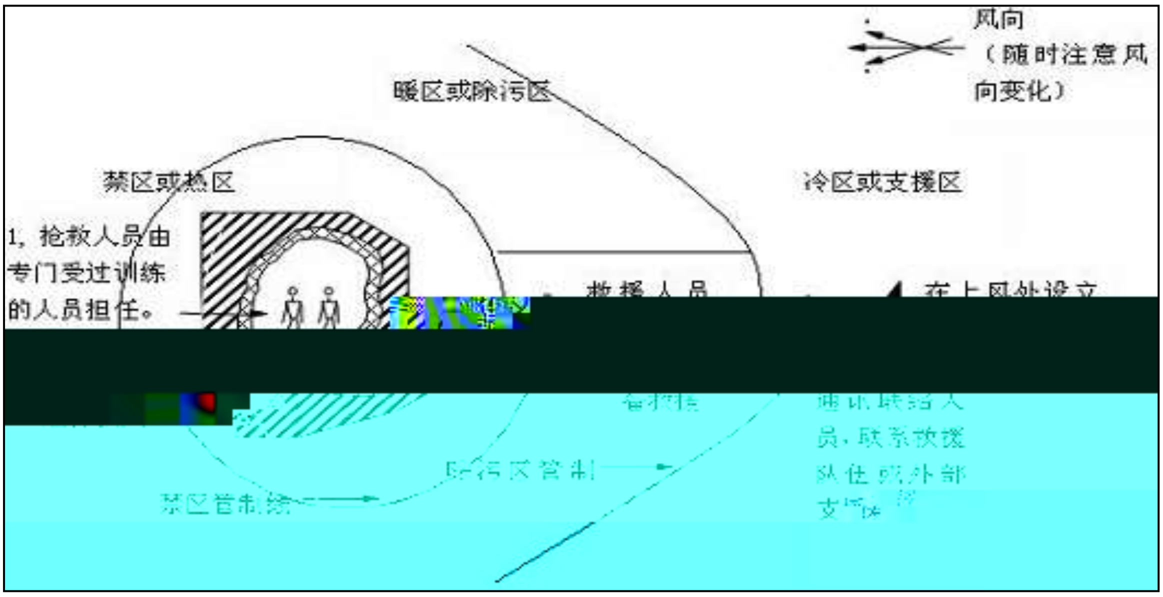
7.3-2

7.3-2

		( )
		( )
		( )
		( )
		( )

3

7.3-1


风向
（随时注意风向变化）
暖区或除污区
禁区或热区
冷区或支援区
1，抢救人员由专门受过训练的人员担任。
救援人员
在上风处设立
通讯联络人员，联系救援队伍或外部支援
除污区管制
禁区管制线

7.3-1

4

7.4

7.4.1

7.4.1.1

1

4-6

2

7.4.1.2

DB37/T3599-2019

1

2

3

1

2

a.

( )

b. (

)

( )

3

a.

b.

c.

d.

e.

f.

7.4.1.6

1

2

7.4.2

1

7.4-1

	CO　H_2　CH_4	/	/	/
	SO_2　NOx	/	/	/
		pH　COD	/	/
	/	/	pH	pH
	/	/	pH　Na^+　Cl^-	pH
	/	pH BOD_5 a	pH a	pH a
	CO　H_2S　CH_4 TSP	pH　COD SS	/	/
	VOCs	COD　SS	COD　SS	
	CO　VOCs	COD　SS	COD　SS	

2

7.4-2

	1	1 8
	0m　1#　100m	

	2# 200m 3# 400m 4#	
		2 4
		2 1
		1

3

7.4.3

3 3

7.5

1

2

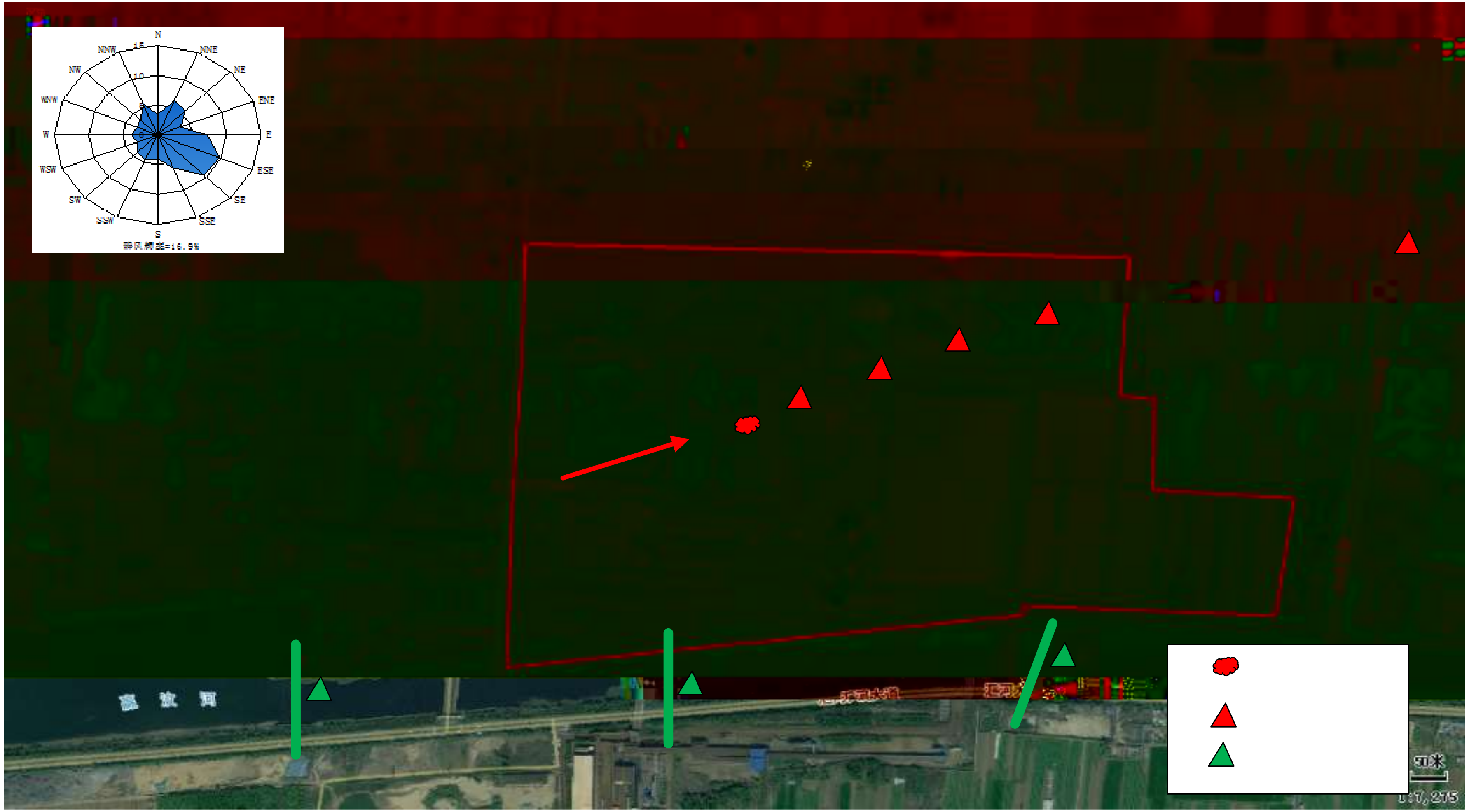
3

7.6

1

2

3


N
NNW
NNE
NW
NE
WNW
ENE
W
E
WSW
ESE
SW
SE
SSW
SSE
S
15
10
5
静风频率=16.9%
50米
1:7,275

7.4-1

8

8.1

8.1.1

1

2

3

4

5

6

8.1.2

/

/

8.2

1

2

3

9

9.1

9.2

1

2 24

3

9.3

9.4

9.4.1

2022 136

9.4.2

9.4.3

110

9.4.4

9.4.5

9.4.6

1

2

3

4

5

6

7

8

9.4.7

10

10.1

1

2

10.2

1

  1

  2

  3

  4

  5

  6

  7

2

1

2

3

4

5

10.4

10.4.1

1

[redacted]

11

11.1

1

1

2

3

2

3

4

HJ/T 298

5

8

9

10

11

11.2

11.3

1

1.1.

1.2

1.3

1.3.1

1.3.2

1

2

3

4 ( )

5

6

5

6

1.4

2

4.2

3

3.1

1 CO

2

3

4

3.2

1

-- ( )

--

--

-- M2/M3 1/10

--

3

4

4.1

1 24

24 0531-75819518

1 2

3 4 5

6 7

8

9 10 11

4.3

1

2

3

4 ( )

5

6

7

5

5.1

1

2

3

5.2

5.2.1

1

2

3

4

5

6

( )

7

8

9

CO 30mg/m3(24PPm)

CO 50mg/m^3(40PPm 1

CO 100mg/m^3(80PPm 0.5

CO 200mg/m^3(100PPm) 15-20

2

10

1

2

(

)

3

4

5

6 10m

7

8

9

10

11

CO

1

2

3

4

5

6

5.2.2

1

2

3

4

5

4

5

6

5.2.4

1

119

2

3

4

5

5.2.5

5.3

1

2

3

6

1

2 1000m^3

2

7

1

1.1.

1.2

1.3

1.3.1

4

1.3.2

1

2 ( )

3

4

1.3.3

1.3.4

1

2

3

4

5

6

7

1.4

2

4.2

3

3.1

1

2

3

3.2

1

-- ( )

--

--

--

2

3

4

5

6 1-2

7

24

3.3

1 ( )

2 ( )

3

4

4.1

1 24

24 0531-75819518

2

4.2

1

2

3 ( )

4

1 2

3 4 5

6 7

8 9

10 11

4.3

1

2

3

4 ( )

5

6

7

5

5.1

1

2

3

5.2

5.2.1

1

2

3

4

5

6

7

1

2

(

)

3

4

5

5.2.2

1

2

3

4

5

5.2.3

6

1

2 1000m^3

2

7

1

1.1.

1.2

1.3

1.3.1

1

				t	

2

3

IOS14001

1.3.4

1

GB18597-2023

200mm 150mm

1 $^{-7}$ /

$^{-10}$ /

2

a.

b.

c.

1.3.5

1.3.6

2

4.2

3

3.1

1

2

3

4

5

6

7

8

9

3.2

1

2

3

4

5

2

4

4.1

4.2

1

1 2

3 4 5

2

3

4

1 2

3 4 5

6 7

8

9 10 11

5

5.1

1

1

2

2

1

2

3

3

5.2

1

2

6

1

2

3

4

1

2

3

1.
2.
3.

4

5

1

2

6

1

2

3

4

5

1

2

20

891kPa 17.03

-77.7 -33.5

3 100 100

4

5

6

7

8

5

1

2 2%

3 15

6

1

2

3

4

5

6

6.

5

15

6

1

2

3

4

5

1

2

3

1.
2.
3.
4.
5.

4

1.

2.

3.
4.

4.

6

1

2

3

4

5

6

1

2

3

4

1

2

2.1

SO_2 NOx

2.2

3

3.1

3.2

a

b

3.3

a

b

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3 5km

4

5

6

7 10km

8

9

10

11