2020 09

.....1
1. 2
1.1 2
1.1.1 2
1.1.2 2
1.2 2
1.3 2
1.3.1 2
1.3.2 3
1.4 4
2. 5
2.1 5
2.2 5
2.3 5
2.4 5
2.5 6
2.6 6
3. 7
3.1 7
3.2 7
3.3 9
3.4 20
4. 22
4.1 22
4.2 23
4.2.1 23
4.2.2 24

4.2.3 26
4.2.4 28
4.3 33
4.4 34
4.5 36

2016 31

2017 2017 11

2018 3

2019 6

2020

2020

HJ

25.1-2019 HJ 25.2-2019

HJ 25.3-2019

HJ 25.4-2019

HJ 682-2019

1.

1.1

1.1.1

1.1.2

1

2

3

1.2

$0.15km^2$

1.3

1.3.1

1 2014 4

2 2018 12

3 2017 6 27 ,2018 1

4 2000 3

5 2015 8

6 2016 11

7 2019 1 1

8 2004 8

9 682 2017 10 1

10

[2009]61

11

[2012]40

12 42

13

[2013]7

14

15 2014

2014 75 2014 11

16 < 2011-2020 >

[2011]128

17 2012 7

18 ([2010]99)

19

[2014]22

1.3.2

1 GB

36600-2018

2 HJ/T 166 -2004

3 HJ 610-2016

6 HJ/T 169-2004

7 HJ/T 164-2004

8 GB/T 14848-2017

9 GB 5749-2006

10 HJ 25.1-2019

11 HJ 25.2-2019

12 HJ 25.3-2019

13 HJ 25.4-2019

14 HJ 682-2019

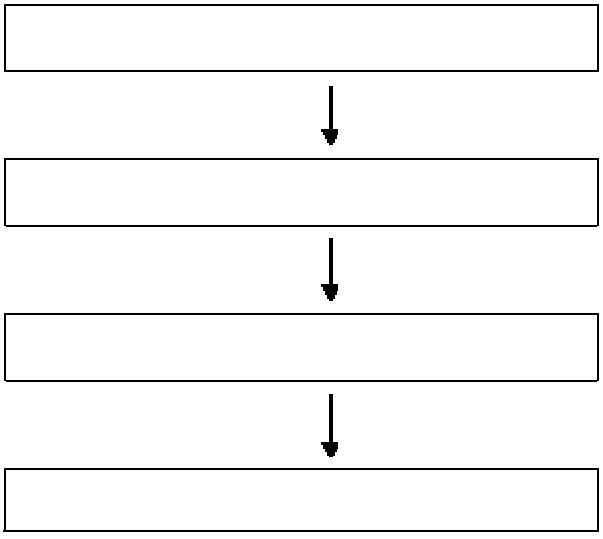
15 2014 11

16 2017

72

1.4

1-1



1-1

2.

2.1

0.15km^2

28 4 205

10 15

2008 11

28 4 205

10 15

205

205

205

110 4

3

2.1-1

2.2

2.3

2.4

1.58 196.268

0.62

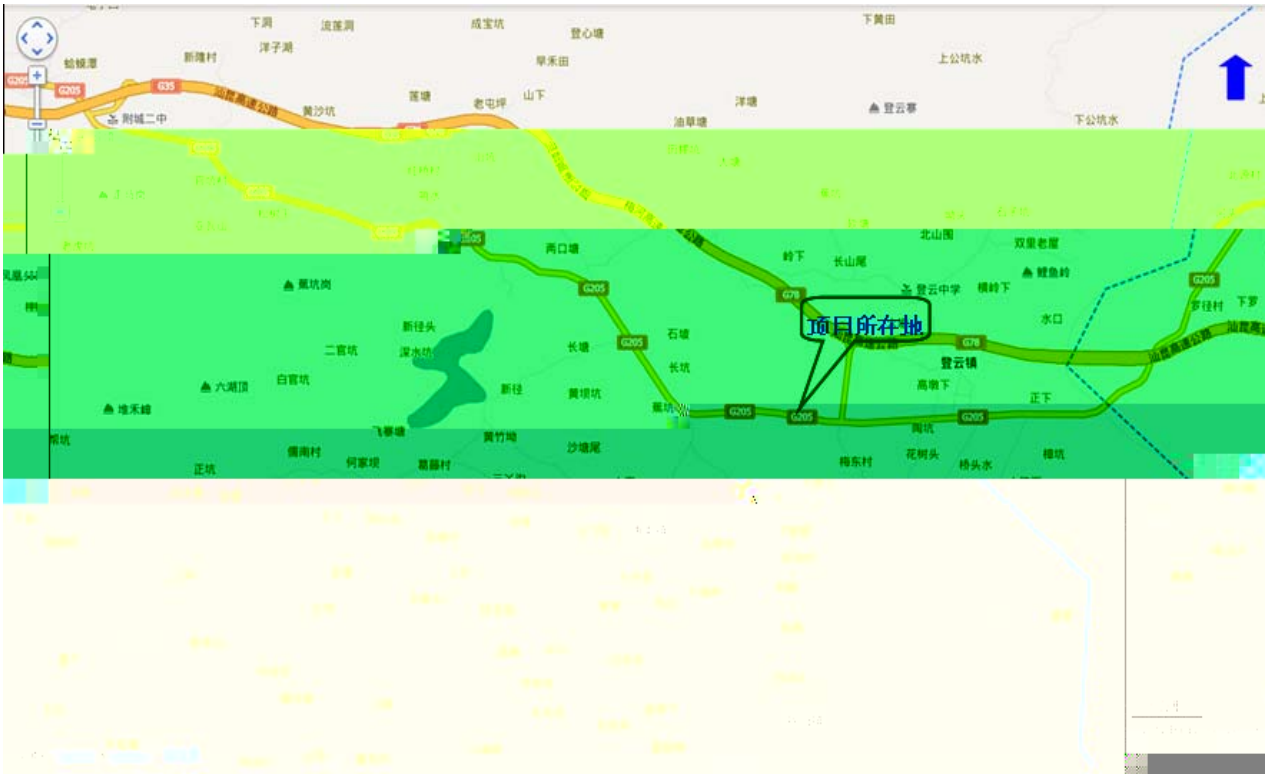
2.5

2.6

3089 292 2797

0.91 10.67

1500 46.7



2.1-1

3.

3.1

115°22.06′ 24°3.78′

2000 60 m^2/a

2007

2012 2013 2013 MPCB

150264.9 m^2 109496.9 m^2 3 5

1 1 1 1 1

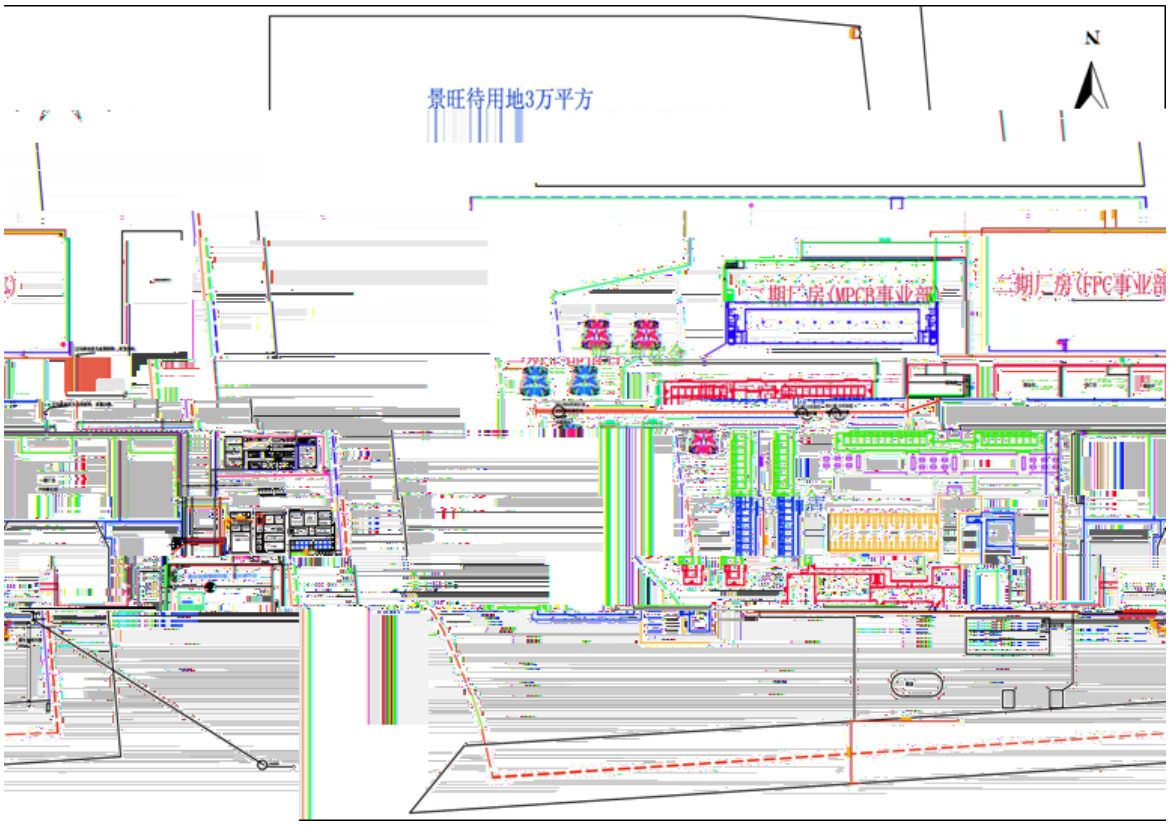
3.2

MPCB

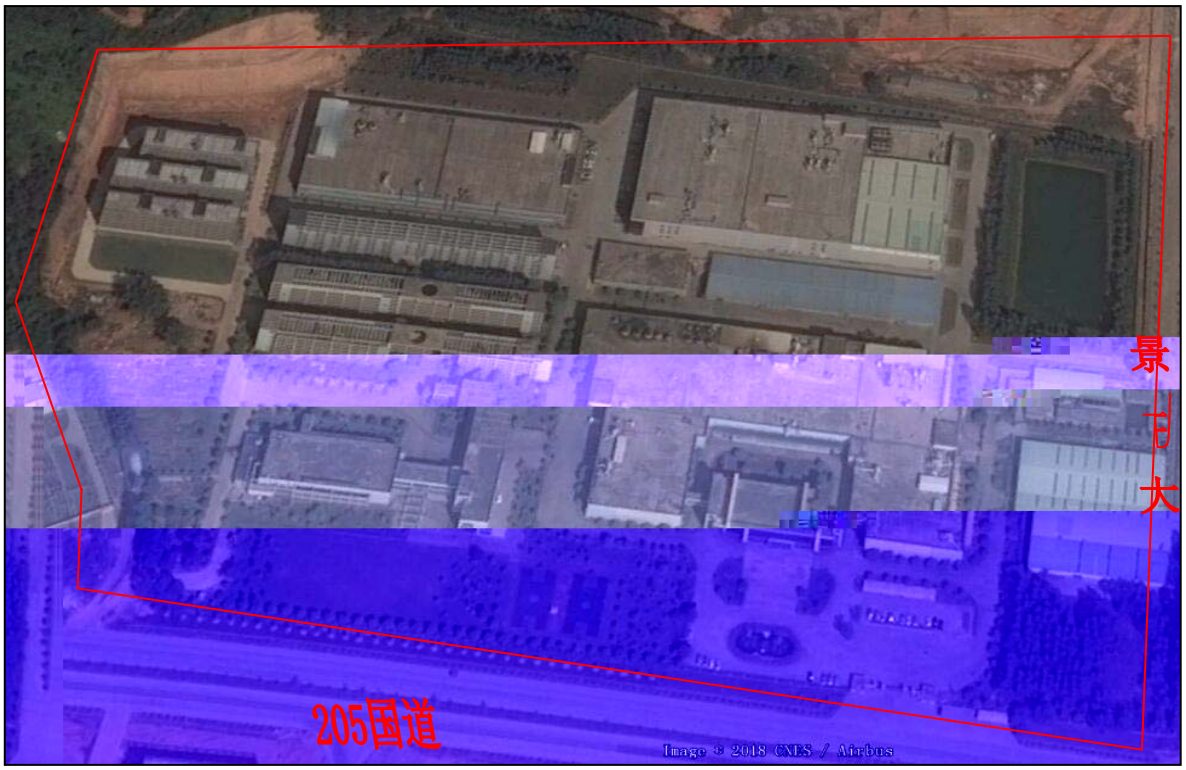
3.2-1 3.2-2

3.2-1

2007	
2007 ~	



3.2-1



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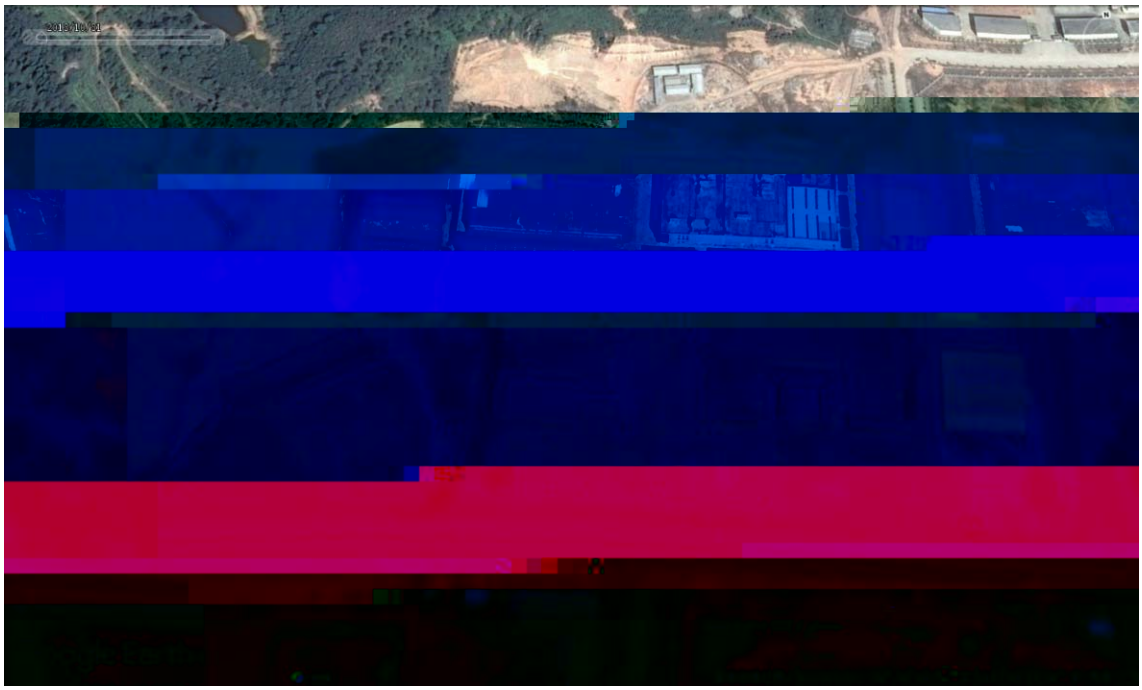
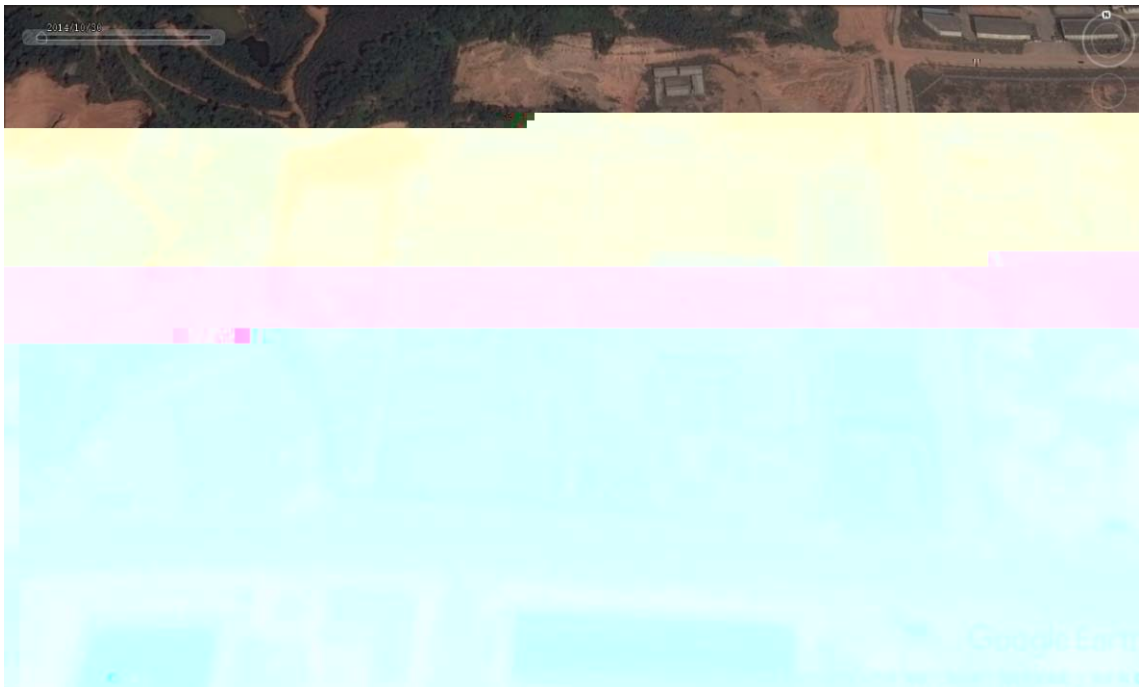


2013 10 31

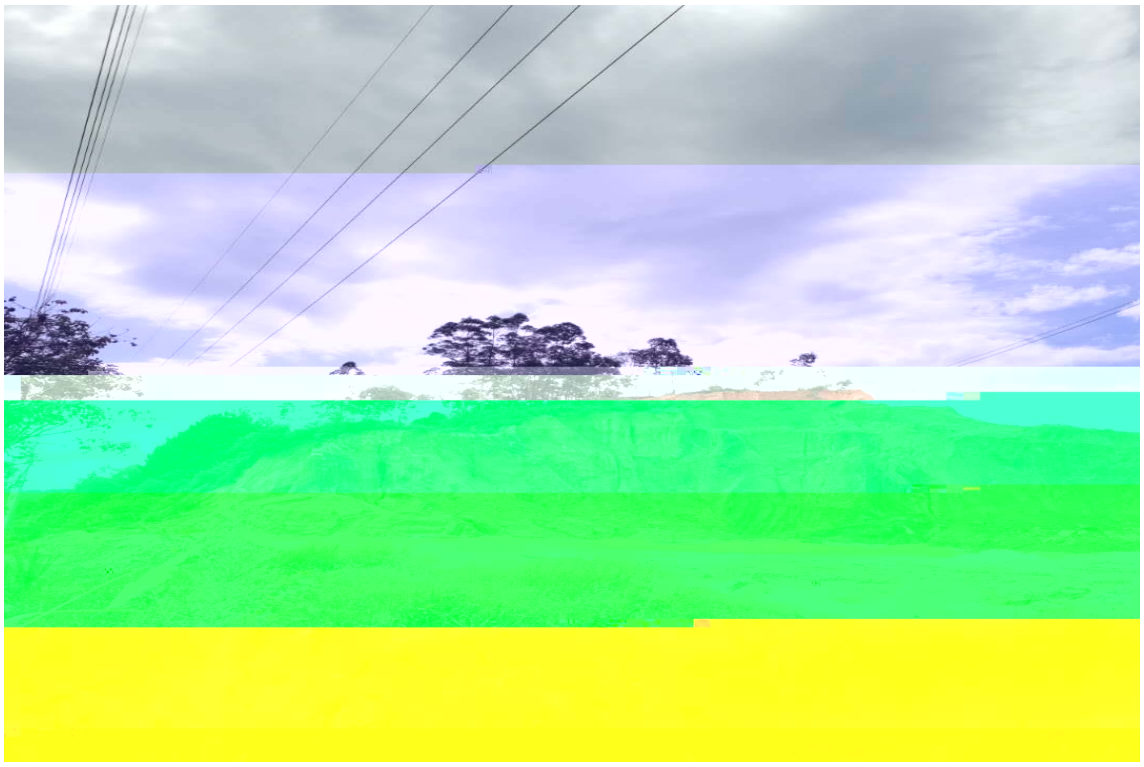


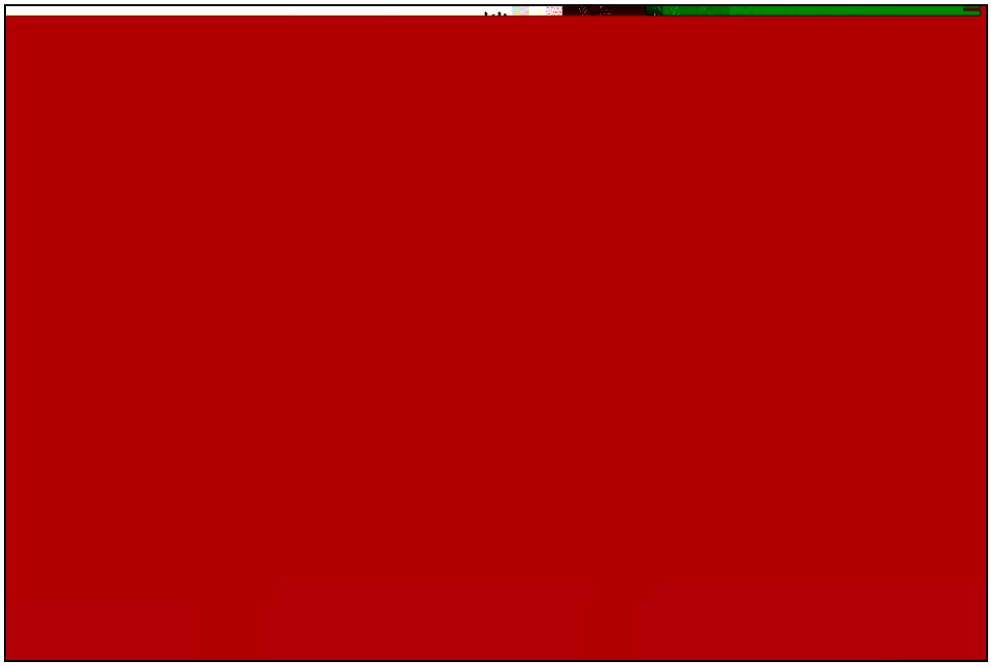
2014 10 30

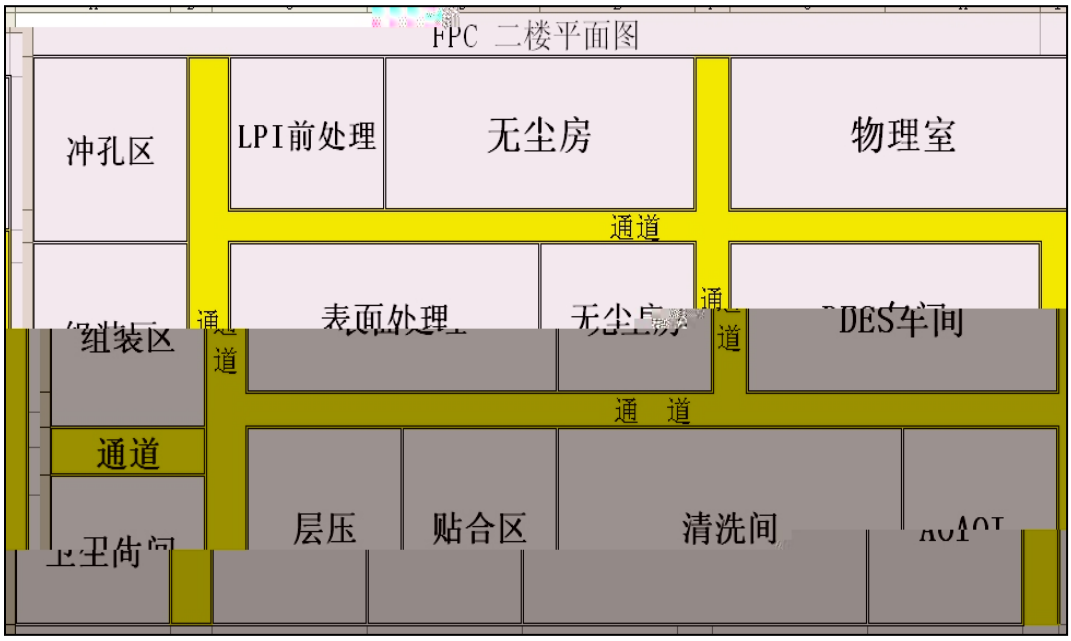
2015 1 4

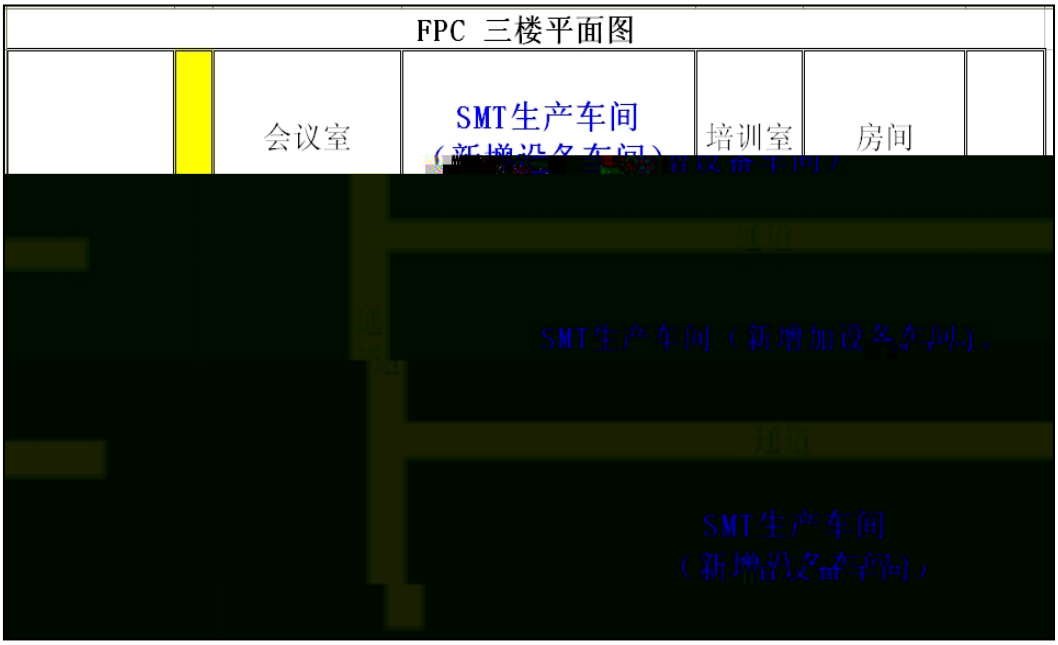
2018 3 29

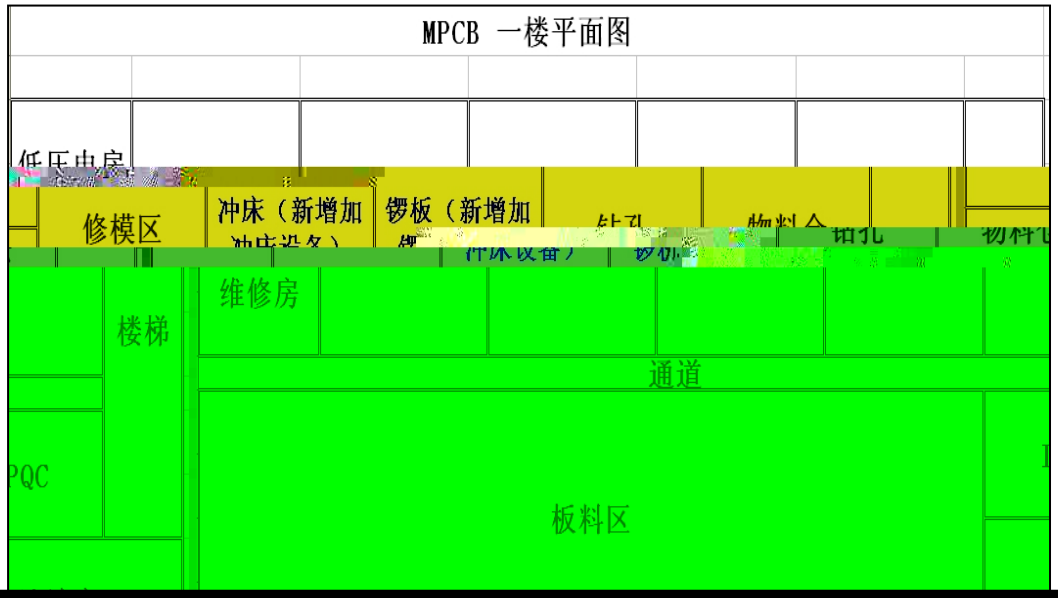
2018 12 17

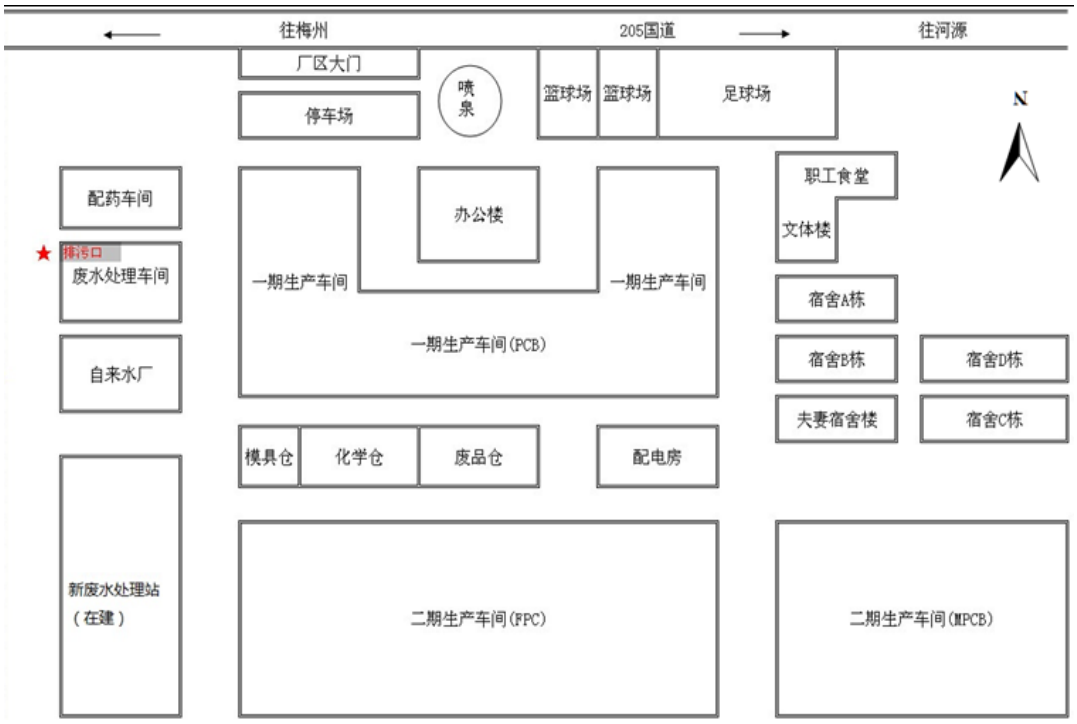





FPC 二楼平面图
冲孔区
LPI前处理
无尘房
物理室
通道
通道
通道
通道
通道
通道
层压
贴合区
清洗间


FPC 三楼平面图
会议室
SMT生产车间
培训室
房间
通道
SMT生产车间（新增加设备车间）
通道
SMT生产车间
（新增设备车间）


MPCB 一楼平面图
修模区
维修房
楼梯
通道
PQC
板料区


往梅州
205国道
往河源
厂区大门
停车场
喷泉
篮球场
篮球场
足球场
N
配药车间
排污口
废水处理车间
自来水厂
办公楼
一期生产车间
一期生产车间
一期生产车间(PCB)
职工食堂
文体楼
宿舍A栋
宿舍B栋
宿舍D栋
夫妻宿舍楼
宿舍C栋
模具仓
化学仓
废品仓
配电房
新废水处理站
（在建）
二期生产车间(FPC)
二期生产车间(MPCB)

3.4

<table>
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<td>
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<td>
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</tr>
<tr>
<td>
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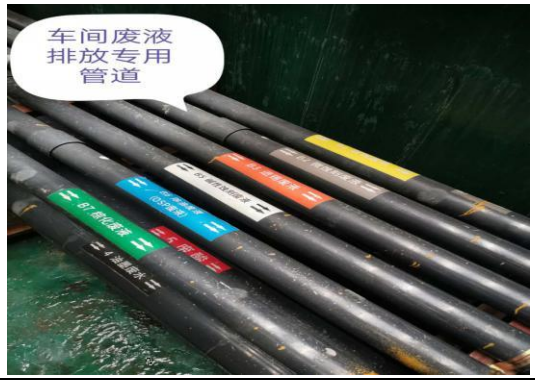
<td> 
</td>
</tr>
<tr>
<td>
</td>
<td>
</td>
</tr>
<tr>
<td>PCB
</td>
<td>PCB
</td>
</tr>
</table>

3.4

MPCB 	FPC
FPC 	

4.

4.1

2350

60 m^2 60 m^2/a

35 m^2 25 m^2 60 m^2/a

2006

2006 9

[2006]121 2007

[2009]47

2012 2013

25 m^2/a 2012 4

2012 6 2012 373

[2013]60 2013 12

[2013]604

5

2014 4 18

1——

[2014]39

AOI

FPT SMT

1. MPCB

AOI

50 m^2/a

2. 35 FPT SMT

40 m^2/a

3.

FQC FQA

20 m^2/a

4.2

4.2.1

4.2-1

4.2-1

			FR-4	m^2	92
				m^2	72
					464
			5052/1100/6061	m^2	60.23
			≥99.5		37.8
			≥99.5		15
			99.5% .05		212
		$NH_3 \cdot H_2O$ NH_4Cl	/		312.19
		/			600
		HCl	7		480
		H_2O_2	0		241.5
		HNO_3	5		6.2
		H_2SO_4	8		1204

		$CuSO_4 \cdot 5H_2O$	75g/l		36
		H_2SO_4	200g/l		
			70g/l		60
		/	/		18
			/		61940
		Na_2CO_3			182
		NaOH	( )		967
		/	/		38
		/	/	m^2	21
		/	/	m^2	41
			30%		36
		/	/	m^2	65
		/	/		180
		/	/		820
		/	/		36
		/	/		76
		/	/		176
		/	/		80000

4.2.2

4.2-2

		/	
1		DMH-A6169	2
2	Ni/Au	PNL-A6169	2
3	Cu/Sn	PNL-8045	3
4		DMH-FA9025	3
5		JW/-MB-03X	10
6		30NGAA07A2	6
7		09FC30NKA03	9
8		DLD30NGAA18	9
9		BR35AA07	2
10		HAL-2424-LF	1
11		UVE-M500	33
		EV-2100LR	6
12		EK20NLEA17	3
13		BAK-80T-04D	8

		/	
14		690*960*1.2M	5
15		JH21-125	8
		JH21-160T	13
		JH21-2	20
16		CSL-2020-M	40
		MS-5070	20
17		MV-300	21
		038B005	29
18		LIN6-180	44
		ND-6N210E	30
19		EBS-300L	10
		PP-228	36
20		BAK-80T-04D	17
21		——	18
22	AOI	——	20
23		——	35

1.

A B

A 0.206 406*508mm 7

22 0.206 *7 *22 *2 *20 *26 *85%

=28000

B 0.206 406*508mm 7 1

22 0.206 *22 *7 *20 *26 *85%

=14000

28000 +14000 =42000 *85% 35700 /

2. Ni/Au

1 Ni/Au 0.206 406*508mm

4.8 0.206 *20 *2 *4.8 *20 *26 =20567

2 20567 *2 =41134 *85%

35000

3. Cu/Sn

Cu/Sn 75 10 7.5

8 10 0.206 *10 *2 *8 *20

*26 *85% =14568 Cu/Sn

14568 *3 *85% 37148

4.

A B A B

A (2) 20 12 9 0.206

*9 *2 *12 *20 *26 *0.85 *2 =39300

B 1 3600mm 7 0.206 *7 *2

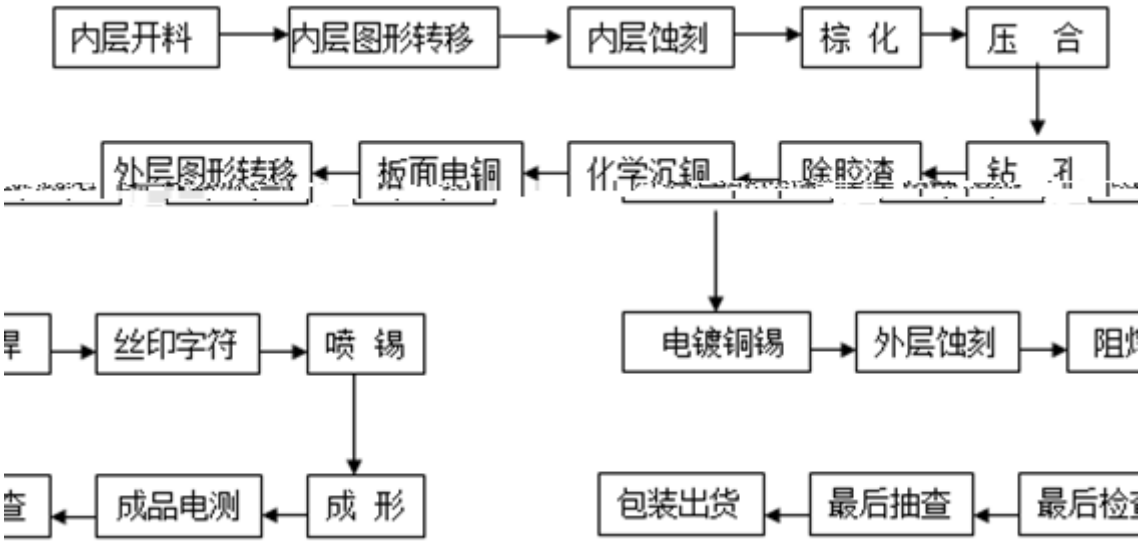
*12 *20 *26 *0.85 =15300

39300 +15300 *0.85% 46400

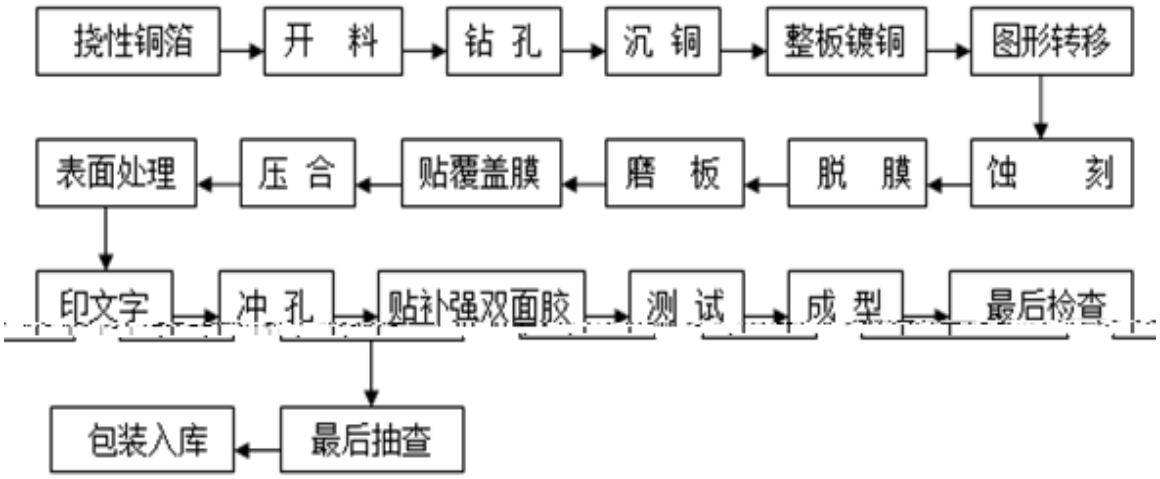
60 m^2/a 2012 373

“ ”

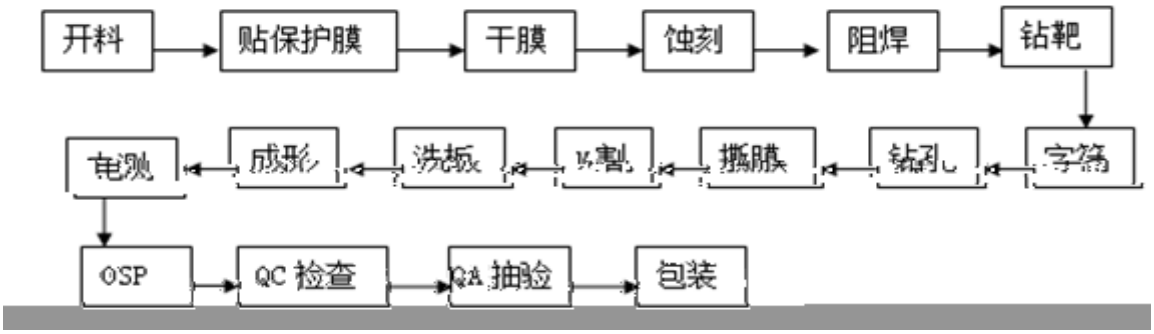
4.2.3



4.2.3-1



4.2.3-2



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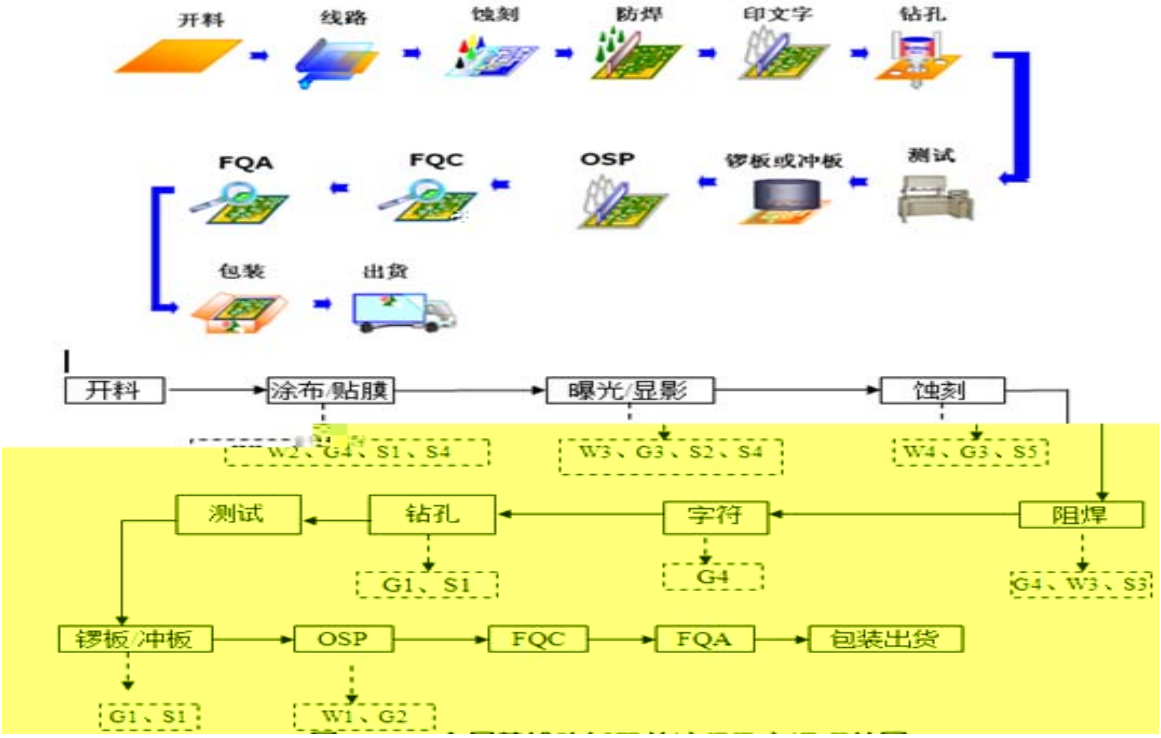

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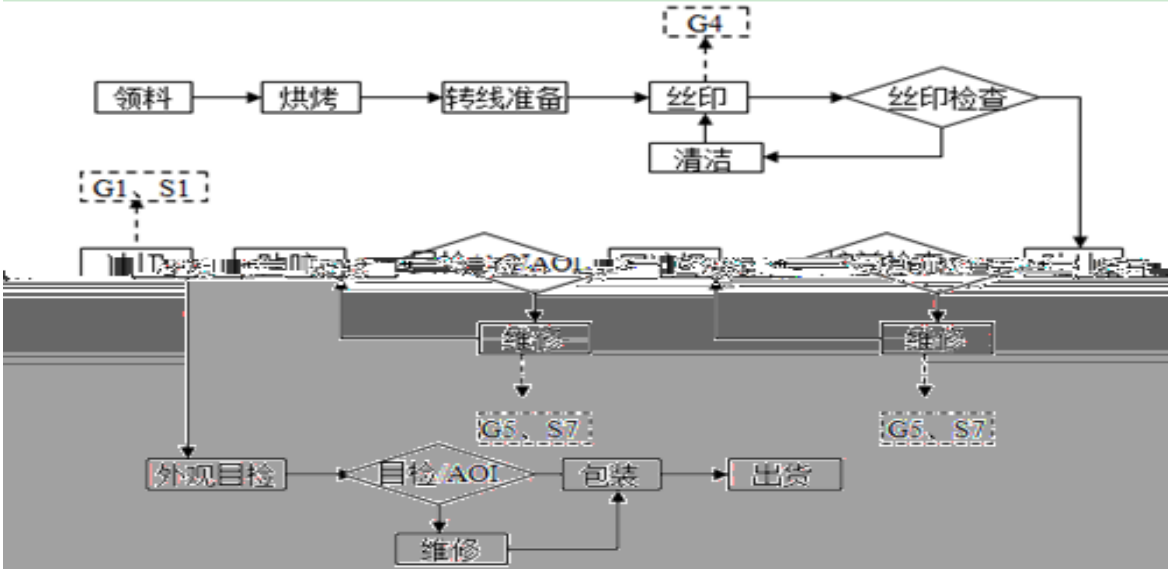


4.2.3-5

4.2.4

4.2.4.1

2198 m^3/d 659400m^3/a 1999 m^3/d 599700 m^3/a

COD

——

OSP COD SS

≤0.12mg/L pH COD_{cr} BOD_5

(

[2009]52) GB21900-2008

2 “ ” DB44/26-2001

200%

GB21900-2008 2 “ ”

DB44/26-2001

GB 18918 2002 A

3069 2000

0.18m³/ ·d 0.05m³/ ·d

413.45m³/d 156m³/d 90%

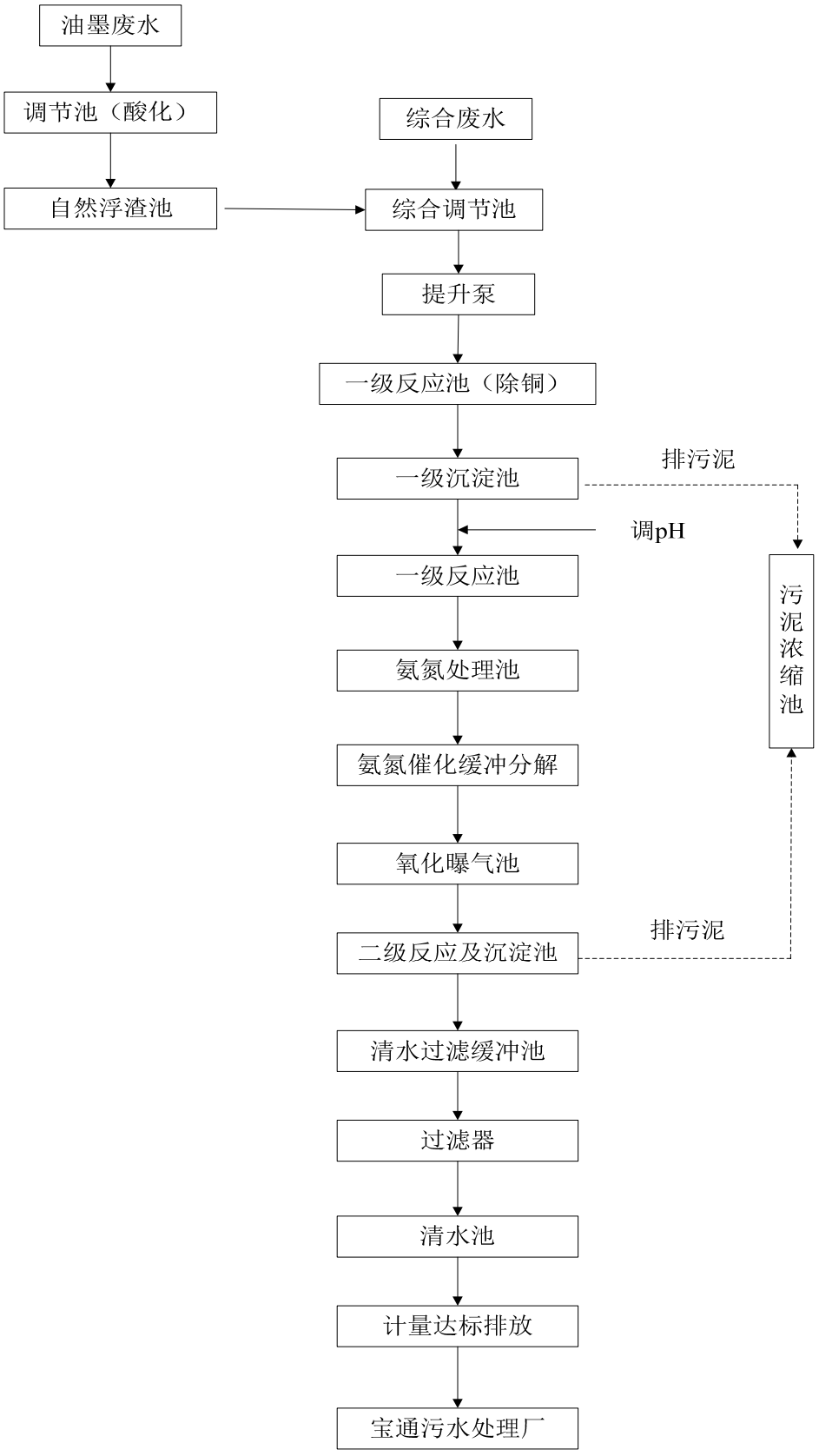
372.105m³/d

DB44/26-2001

GB 18918

2002 A

4.2.4-1


油墨废水
调节池（酸化）
自然浮渣池
综合废水
综合调节池
提升泵
一级反应池（除铜）
一级沉淀池
排污泥
调pH
一级反应池
氨氮处理池
氨氮催化缓冲分解
氧化曝气池
二级反应及沉淀池
排污泥
污泥浓缩池
清水过滤缓冲池
过滤器
清水池
计量达标排放
宝通污水处理厂

4.2.4-1

4.2.4.2

1 ①

②

③ ④ ⑤

⑥ 2

1250KW 0#

PM_{10} CO SO_2 NO_x

3 1

2100m^3/h 850m^3/h

1 ①

15m

15m 99%

95% 5mg/m^3

0.033kg/h

(DB44/27-2001) ≤120mg/m^3

≤0.42kg/h ② H_2SO_4 HCl

H_2SO_4 HCl pH

4.2.4.2-1 ③

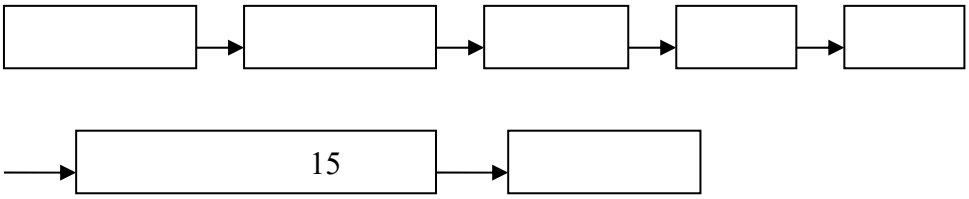
④

4.2.4.2-2 ⑤

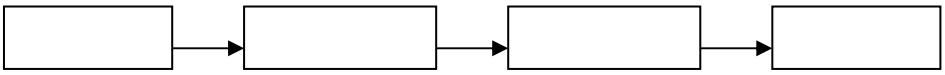
4.2.4.2-3 2

3

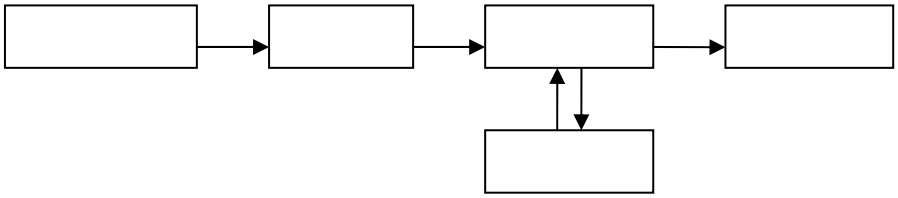
GB18483-2001



4.2.4.2-1



4.2.4.2-2



4.2.4.2-3

4.2.4.3

65 95dB A

4.2.4.4

①

② ③

1 163t HY01

2 PCB 40t HW49

3 1250t HW22

4 600t HW22 5

70% 2000t HW17

6 34.7t HW17 7

8400 16 t/a HW12

8 295 t HW34 9

3 t HW17 10 60 t

HW22 11

50 t HW16

4511.7 t/a

3t/a 460.35t/a

1.225t/a

HY05

4.3

C_{10}~C_{40}

4.3-1

1			—	—	
2	PCB				
3	PCB				
4					(C_{10}~C_{40})
5					
6	PCB				(C_{10}~C_{40})
7	MPCB				
8	FPC				

4.4

$0.15km^2$ 2004 GY 0029 2014

PCB FPC MPCB

1 PCB PCB

PCB MPCB

FPC

52 pH

1,1-

1,2- 1,1- -1,2- -1,2- 1,2-

1,1,1,2- 1,1,2,2- 1,1,1- 1,1,2-

1,2,3- 1,2- 1,4-

+ 2-

[a] [a] [b] [k] [a,h] [1,2,3-cd]

C_{10}~C_{40}

2 PCB PCB

PCB MPCB

FPC

56 pH

1,1- 1,2- 1,1- -1,2-

-1,2- 1,2- 1,1,1,2- 1,1,2,2-

1,1,1- 1,1,2- 1,2,3-

1,2- 1,4- +

2- [a] [a] [b]

[k] [a, h] [1,2,3-cd] C_{10}~C_{40}

4.5

1

2 PCB PCB

PCB

MPCB FPC

3 PCB PCB

PCB

MPCB FPC

**** ****