
_____ 2020 6 2 _____

: _____ 2020 6 2 _____

2020 6

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

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

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

12.5	.....	98
12.6	.....	98
12.7	.....	98
13	.....	100
13.1	.....	100
13.2	.....	100
13.3		

18	.....	150
18.1	.....	150
18.2	.....	150
18.3	.....	151

.....

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

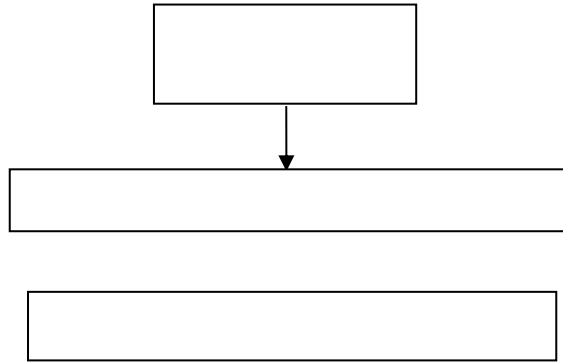
[2013]81

[2015]19

1.3

1

1.4-1



1.4-1

2

3

1.4-1

1.4-1

1.5

1.5.1

1.5.2

1.5.3

1.5.4

1.5.5

1.6

2017 7006

	273298.5m ²	127412.5	60	350d 8400h
5	25	7510 ⁴ m ³		2 100000m ³
	2 50000m ³		1 100000m ³	
	4 5000m ³		6 20000m ³	
2	5000m ³		6 30000m ³	
1	10000m ³	1 10000m ³		

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 ²
			G5941
			2016
	118.919		37.105

0.1-3

			2 ǎ 80000 ǎ 21800 100000m ³	62952m ²
			2 ǎ 60000 ǎ 19350 50000m ³	
			1 ǎ 80000 ǎ 21800 100000m ³	
			4 ǎ 21000 ǎ 16500 5000m ³	26656m ²
			6 ǎ 42000 ǎ 17500 20000m ³	
			6 ǎ 40000 ǎ 22000 30000m ³	25152m ²
			1 ǎ 30000 ǎ 16500 10000m ³	4700m ²
			1 ǎ 30000 ǎ 16500 10000m ³	
			2 ǎ 21000 ǎ 16500 5000m ³	2380m ²
		26.3m ³ /d		

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

0.1 a

0.5 1.0m 2.5 3.0m

10g/L

2.2.3

11.7	39.6	-18.0
------	------	-------

11.7	39.6	-18.0
------	------	-------

11.7	39.6	-18.0
------	------	-------

549mm	67%	S
-------	-----	---

549mm	67%	S
-------	-----	---

549mm	67%	S
-------	-----	---

8.1%	SE	7.5%	3.4m/s
------	----	------	--------

8.1%	SE	7.5%	3.4m/s
------	----	------	--------

8.1%	SE	7.5%	3.4m/s
------	----	------	--------

8.1%	SE	7.5%	3.4m/s
------	----	------	--------

9 5 6.3

9 5 6.3

9 5 6.3

2.9

35.6	12	8.5	11
------	----	-----	----

35.6	12	8.5	11
------	----	-----	----

35.6	12	8.5	11
------	----	-----	----

35.6	12	8.5	11
------	----	-----	----

7	1.3	50	2.1
---	-----	----	-----

7	1.3	50	2.1
---	-----	----	-----

7	1.3	50	2.1
---	-----	----	-----

7	1.3	50	2.1
---	-----	----	-----

2.2.4

2.2-1

--	--	--	--

			ò ò
	ó ó	V	
	ó ó	III	ò ò
	3	3	ò ò

2

1

2019 1 11

2018

2.2-2

2018

	⁻ m/m ³	⁻ g/m ³	
SO ₂	18	60	

3

GB/T14848-2017

4

GB3096-2008

3

5

GB 33600-2018 1

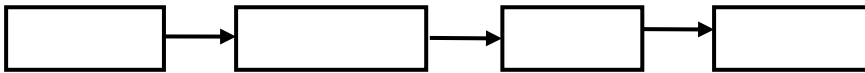
2.3

HJ941-2018

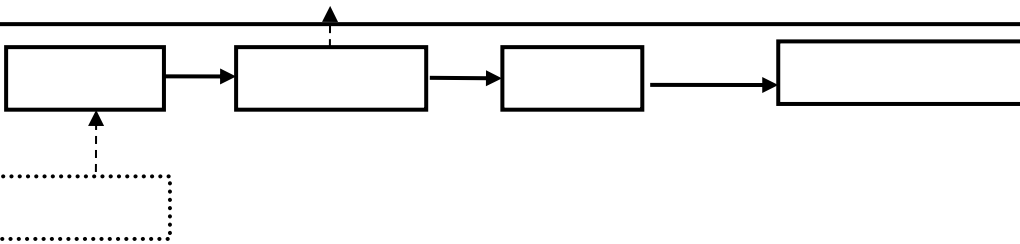
1

2

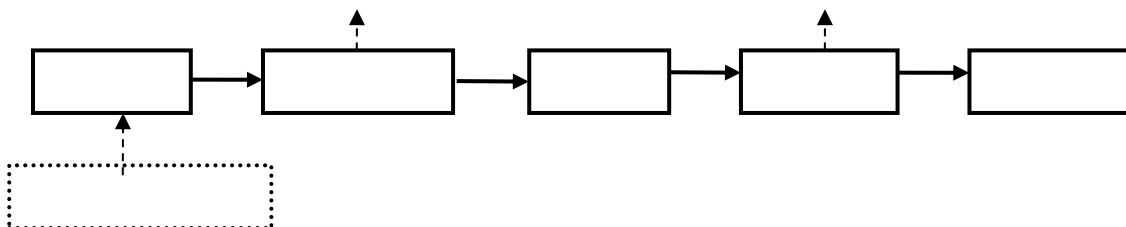
0-2



2.4-1

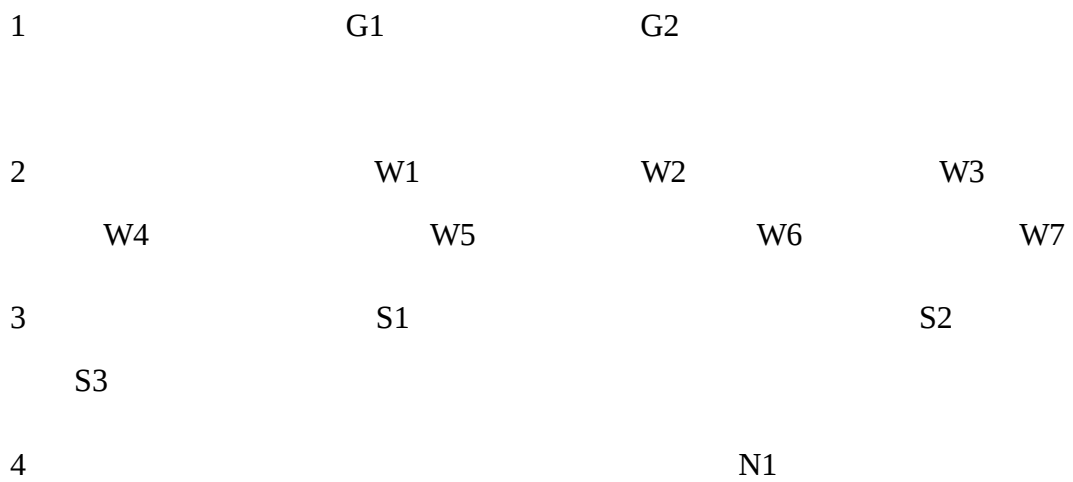


04-1



0-2

2.4.2



2.4-1

0-1

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

	W4					
	W5					

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

2.4.5

2.4-3 ” ”

	m ³ /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 GB12348-2008 3					

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 ³	160mm	6.5×10 ⁻⁵ /a	8.7×10 ⁻⁵ /a
100000m ³	160mm	6.5×10 ⁻⁵ /a	8.7×10 ⁻⁵ /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 ²	0.02	160mm	
£ ò ò	kg/m ³	870		
P ò ò	Pa	101000		
P ₀ ò ò	Pa	101000		
g ò ò		9.81m/s ²		
h ò ò	m		11	
		160mm		158.4kg/s
				5290m ²
2769m ²	2521m ²			
30min				
2				

Q kg/s

n

P Pa

M kg/mol

R $\text{J/mol}\cdot\text{K}$

T_0 K

u 3.4m/s

r m

29m

3.2-2

	n	$\dot{U}$
F	0.3	5.285×10^{-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																				

29

		221.7kg/s
	30min	399t
2		
	HJ	

	m/s		kg/s	m
	1.5	F	3.88	2.5

SO₂ NO₂

CO

3

CO SO₂ NO₂

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

mf ò ò kg (m²Łs)

Hc ò ò 49.5Ł10⁶J/kg

Cp ò ò 2072J (kgŁK)

Tb ò ò 473K

Ta ò ò 288.8K

HV ò ò 474Ł10³J kg

2 SO₂

$$G_{SO_2} = 2BS$$

G_{SO₂} ò ò SO₂ kg/s

B ò ò kg/s

S ò ò S 1.08%

3 NO₂

$$G_{NO_2} = 1.63ŁBŁ NŁ'_2 + 0.000938$$

G_{NO₂} ò ò NO₂ kg/s

၇

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3.2.3

“ + ”
+
60m³/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

		1 2 3 4 5 6 7 8 9	1 2 / [2009]80 pH COD

		10	
		11	

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

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 ³)	/m	/min

R₁

			/min	/min	(mg/m ³)
		/	/	/	/

-1 9162mg/m³ 350m

-2

CO CO

-2 180mg/m³ 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 ⁻⁵ /a
			(mg/m ³)	/m	/min
		-1	/		/
		-2	/		/
			/min	/min	(mg/m ³)

		/	/	/	/
--	--	---	---	---	---

CO SO₂ NO₂

3.4-9~3.4-11

3.4-9a 1.5m/s F

CO

m	1.5m/s F CO mg/m ³					
	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

		/	25	/MPa	/
	CO	/kg	45864	/mm	/

	1.5m/s	F	SO ₂	mg/m ³
--	--------	---	-----------------	-------------------

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

	1.5m/s	F	NO ₂	mg/m ³
--	--------	---	-----------------	-------------------

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

	NO ₂		(mg/m ³)	/m	/min
		-1	38	240	4.50
		-2	23	620	9.50
			/min	/min	(mg/m ³)
		/	/	/	/

-1

-2

CO

CO

-1

828mg/m³

680m

-2

2800m

SO₂

SO₂

-1

90mg/m³

160m

-2

2700m

NO₂

NO₂

-1

45mg/m³

240m

-2

620m

3.4.2.6

1

-1

9162mg/m³

350m

-2

CO

CO

-2

180mg/m³

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 ² 50 kg
1991.2.6					
1988.1.4		800t			800m
1987.8.14					11.6
1989.4.12					5

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		$V_1=90000\text{m}^3$
V2				
1				

80m

GB50160-2008

[2010]118

		2.0L/ min	m^2	20m	
20m			6h		6h
	3943	m^3			
2					
100000	ml				

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

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

3.4-1

GB 50316-2000

SH3054-2005

1.

2.

3.

4.

5.

3.4.4

12500m³

3.4.5

“ + ”
+
60m³/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

1				
	-1	9162mg/m ³	350m	
-2				
		CO	CO	
	-2	180mg/m ³	1510m	-1
2				
	-1		-2	
		CO	CO	
	-1	828mg/m ³	680m	-2
2800m				
		SO ₂	SO ₂	
	-1	90mg/m ³	160m	-2
2700m				
		NO ₂	NO ₂	
	-1	45mg/m ³	240m	-2
620m				

3.5.2

È

È

IJ

Ó 3

3.5.3

ó

		12500m ³

4

4.1

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4.

WE

4.3

13789831081

18954008137

18354678797

13220507223

18366952335

13455460817

4.4

/

1

2

3

5

6

5.1.2

1

2

5.1.3

1

24

2

3

4

5.2

5.2.1

2

3 /

4

III

3

4

5

6

5.3

5.3.1

24

0546-8286889

5.3.2

1

2

5.4



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

6

6.1

1

2

3

6.2

1

2

3

1

2

3

6.3

1

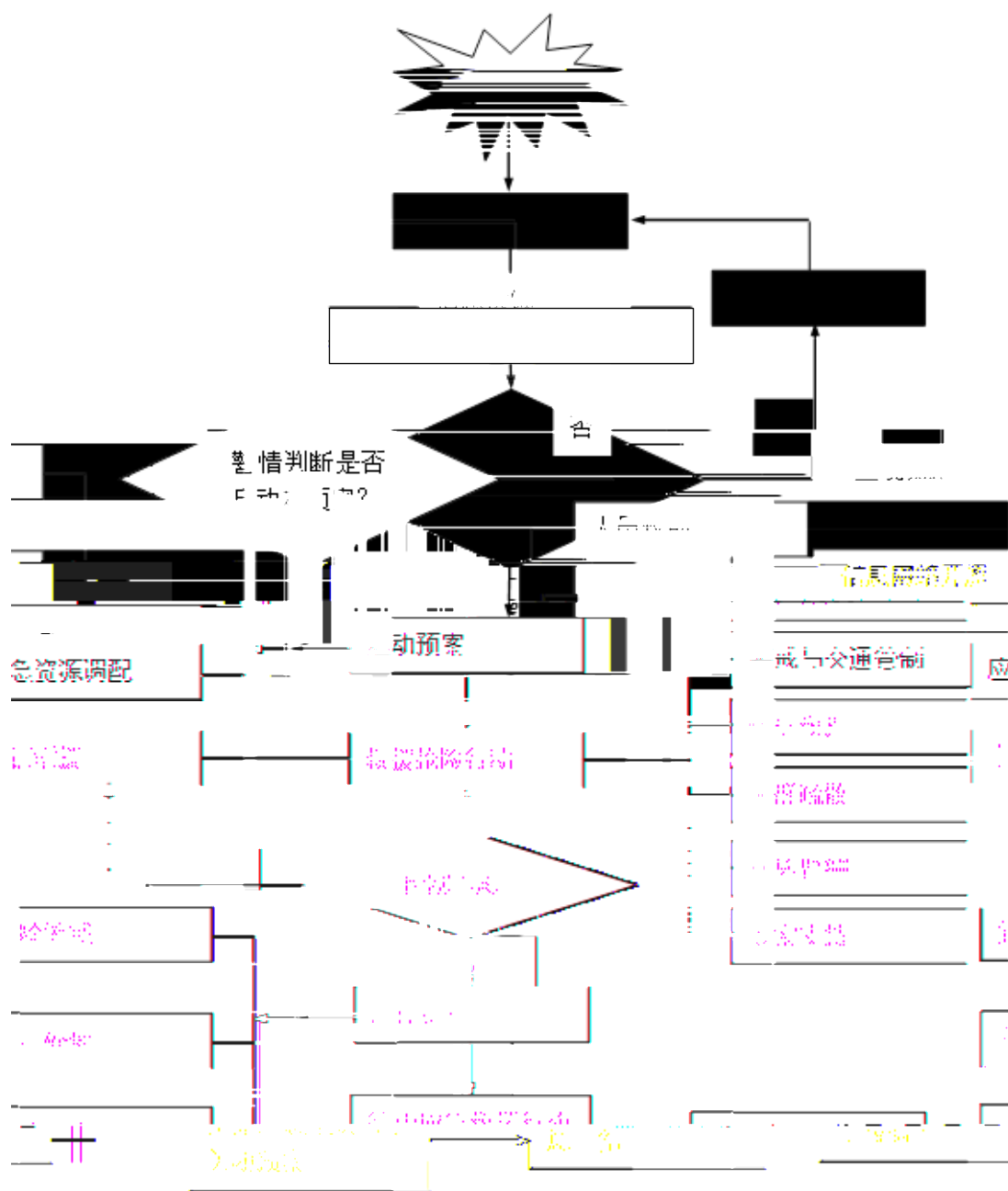
2

3

4

5

6



6.3-1

6.4

6.5.2

1

2

6.5.3

6.5.4

6.5-1

7

7.1

1

2

3

7.2

1

2

3

7.3

1

2

3

3

0 500

500 1000

1000

2

3

7.4-1

1	
2	

3

--	--

7.4.2

1

2

3

4

5

6

7.4-2

1	
2	
3	

4	
5	

7.5.2

1

2

7.6.4

1

2

3

7.6.5

7.6.6

1

8

8.1

8.2

8.3.2

1

2

3

4

5

8.3.3

1

2

8.4

8-1

1		CO SO ₂ NO ₂ VOCs		30min	
2	100m				
3	500m				
4	1000m				

1

pH COD_{Cr}
BOD₅

30min

VOCs

HJ589-2010

8.5

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

œ (œ

164

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o

10.2

1

.

4

11

11.1

15

11.2

2

11.4

1

2

3

4

11.5

12

12.1

4.3

12.2

12.3

12.4

2			

3

10			
11			
12			
13			

13.2.2

- 1
- 2
- 3
- 4

13.2.3

- 1
- 2
- 2

1

3

13.2.4

1

2

3

4

5

6

13.3

1

2

3

4

1

2

3

4

5

6

7

13.4

1

2

30

14

14.1

14.2

14.3

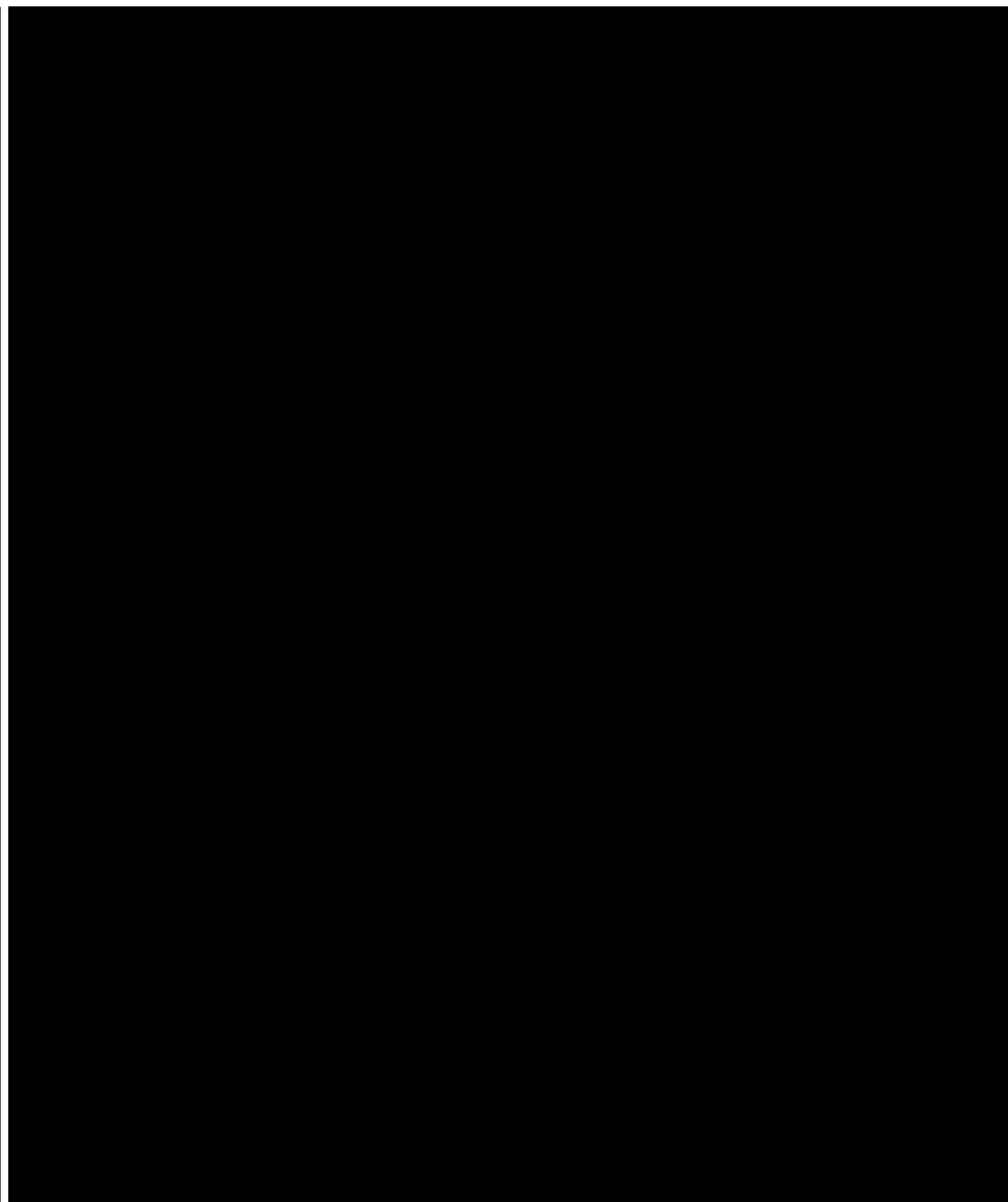
14.4

15

1

		13054647938	
		13455707588	
13884600198			

				18954008137	
17176099990					



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1		010-66556481
2		010-67119686 010-66151780
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

3

/	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

	0546-8019190
	0546-8879110
	0546-6096119
	0546-8019001/8019002

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		19		
		200		

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应急救援协作协议书

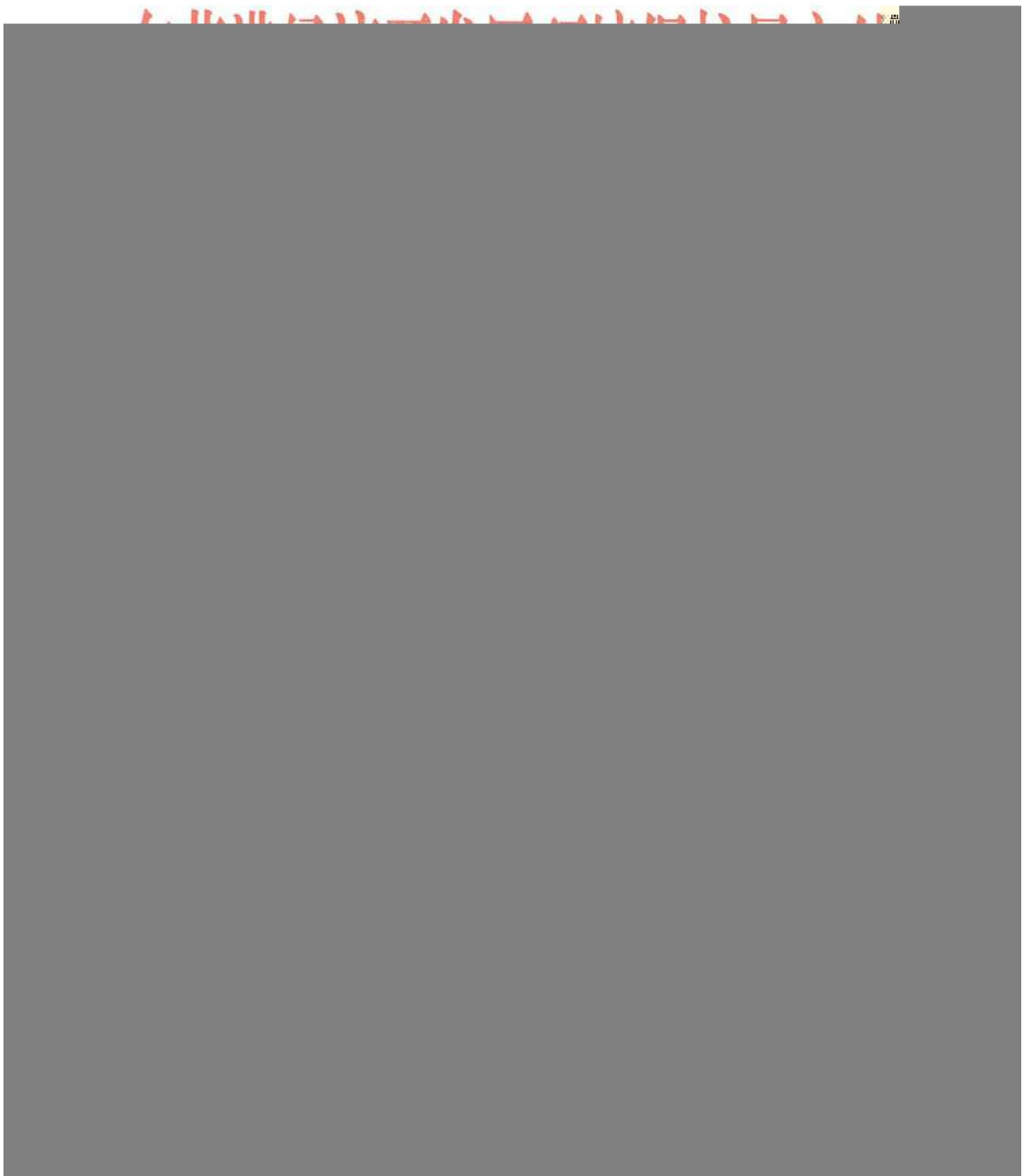
甲方：东营神驰仓储有限公司

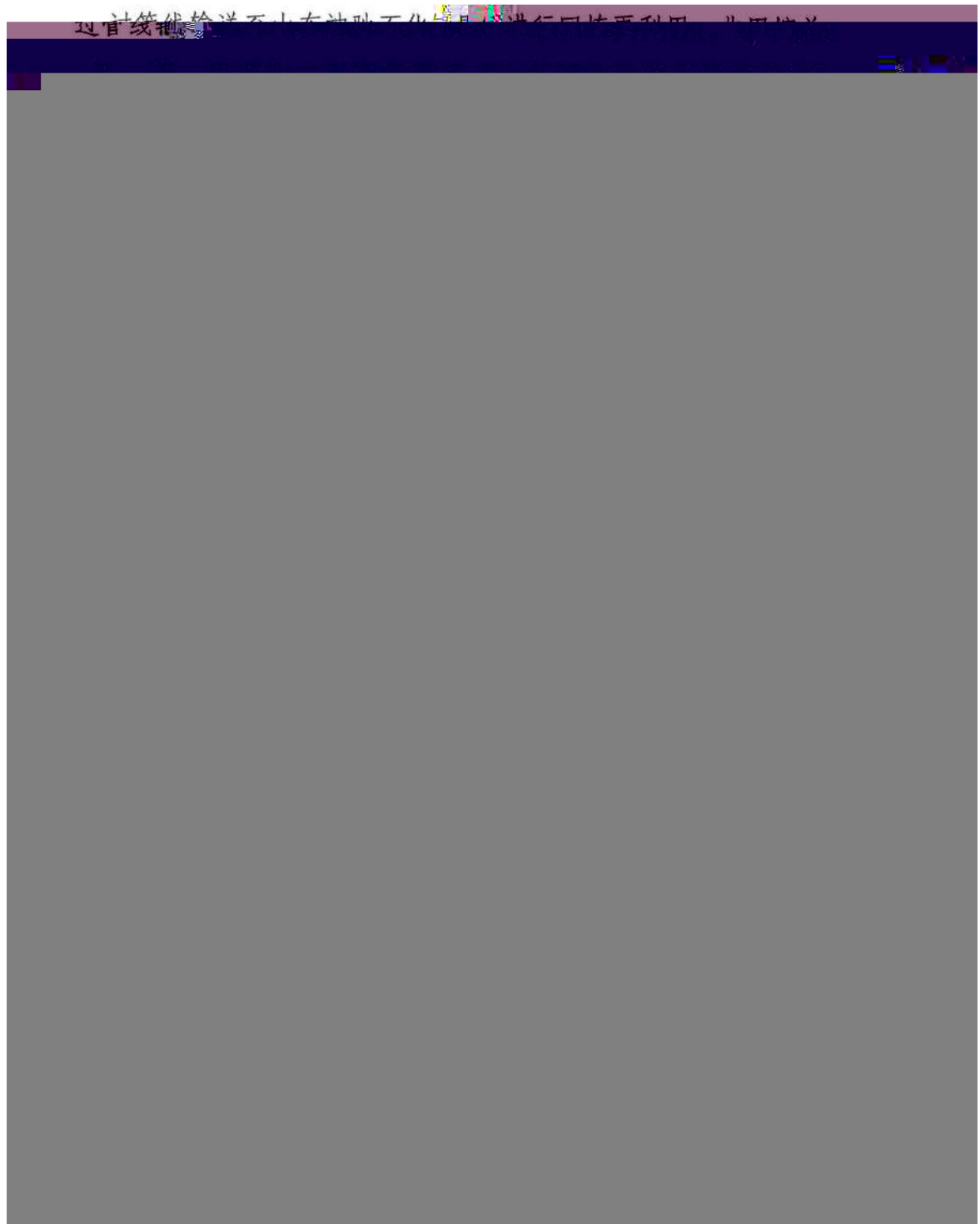
乙方：东营神驰仓储有限公司

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，建立应急救援协作机制，经甲乙双方充分协商，达成如下应急救援

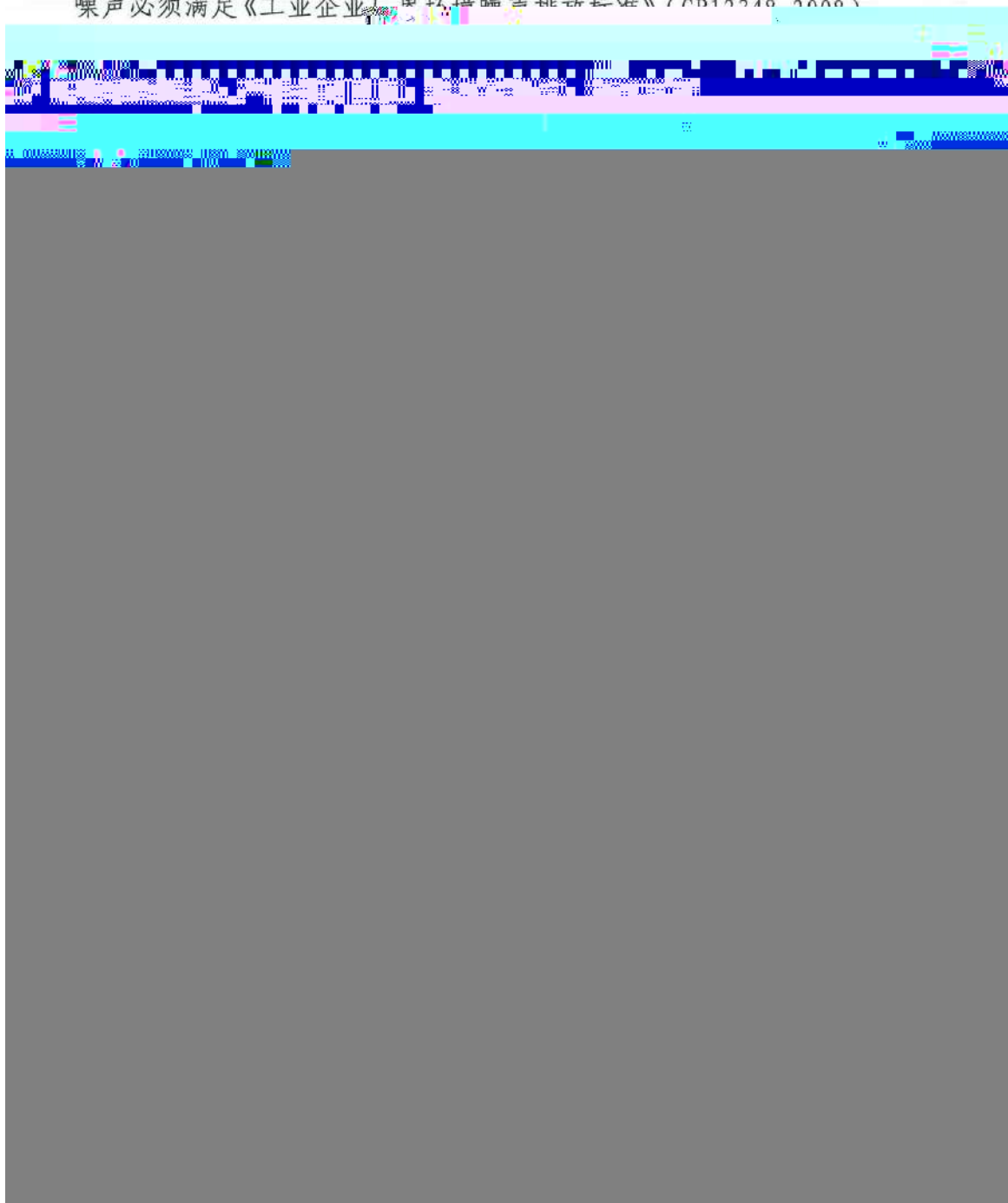
非 此 照 对 方 提 供 本 单 位 的 详 细 位 置 ； 平 面 图 ； 详 见 附 件 五 十 五

一、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
二、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
三、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
四、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
五、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
六、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
七、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
八、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
九、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方
十、 甲方 乙方 丙方 丁方 戊方 己方 庚方 辛方 壬方 癸方

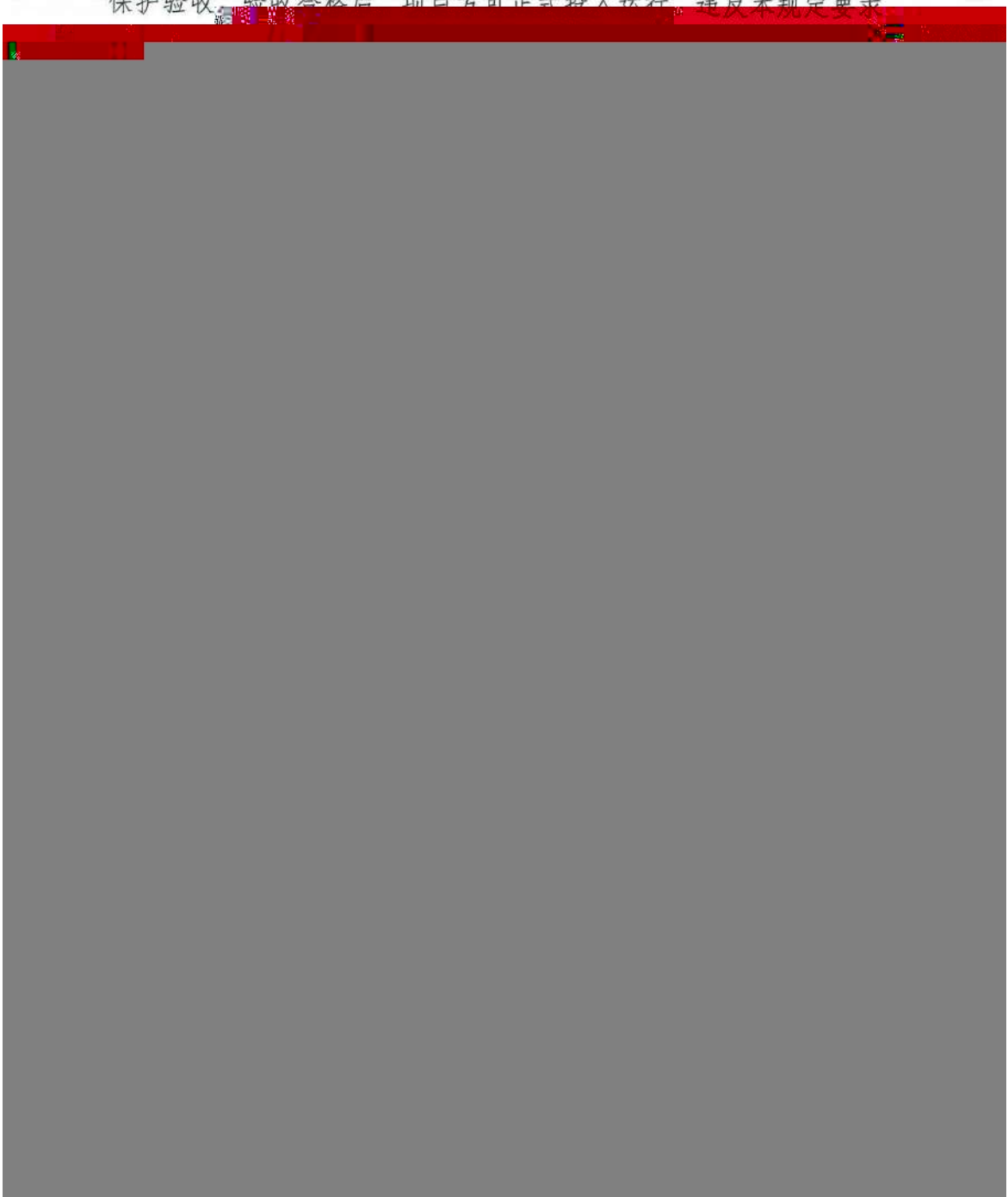




(四) 噪声污染防治。选用低噪声设备，合理布局，确保厂界噪声必须满足《工业企业厂界环境噪声排放标准》(GB12348-2008)。



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



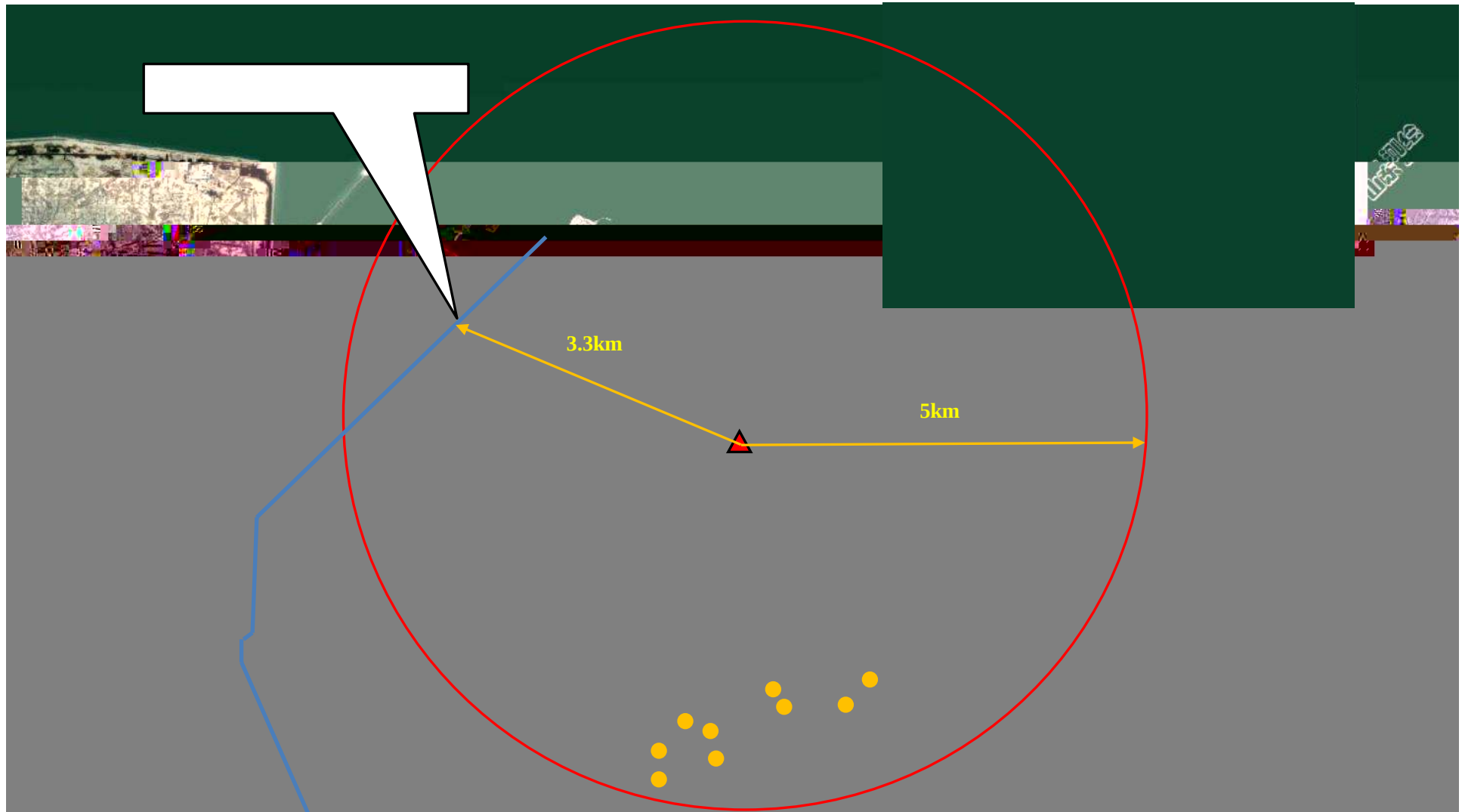
1	
2	
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(4)	

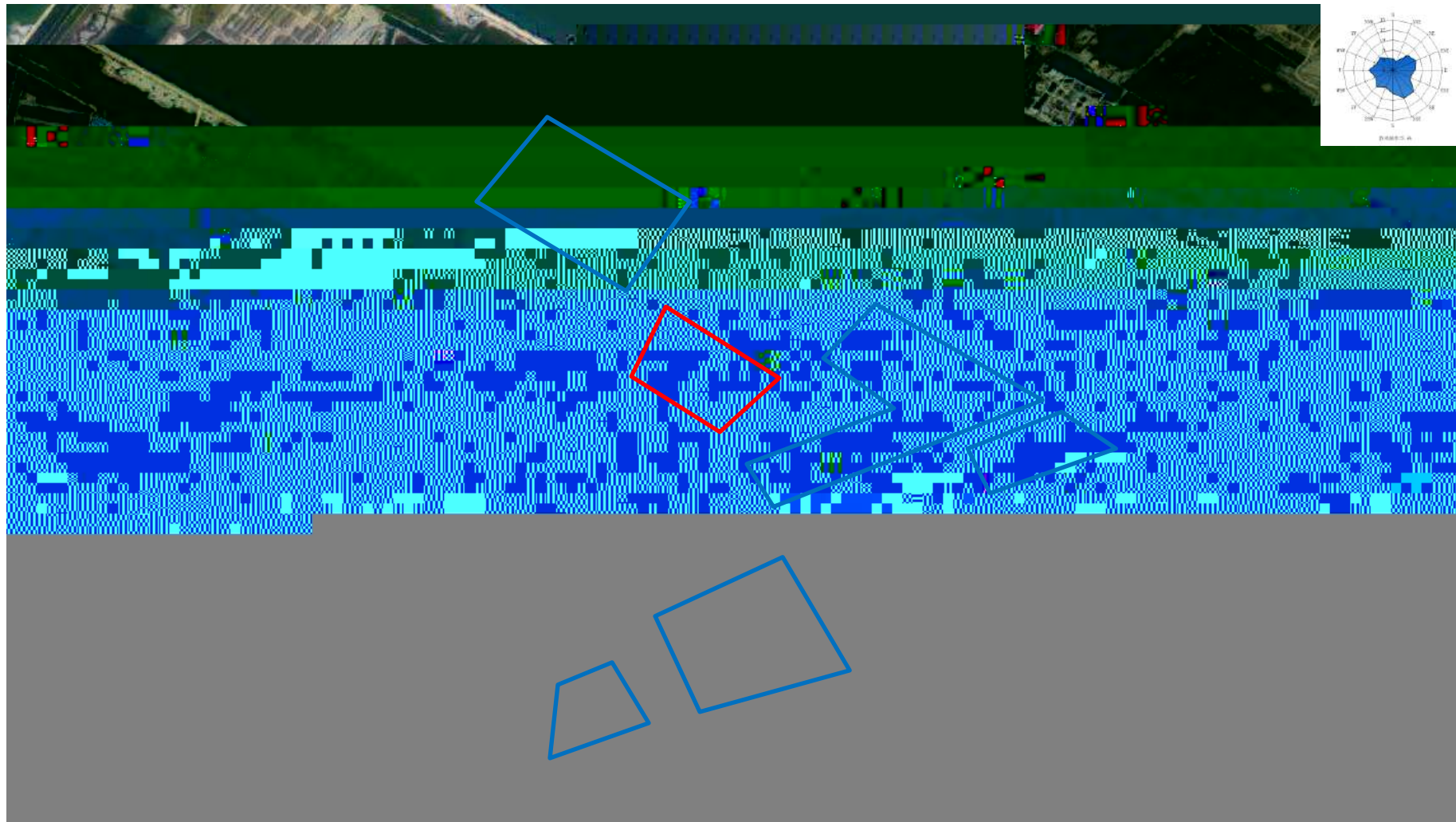
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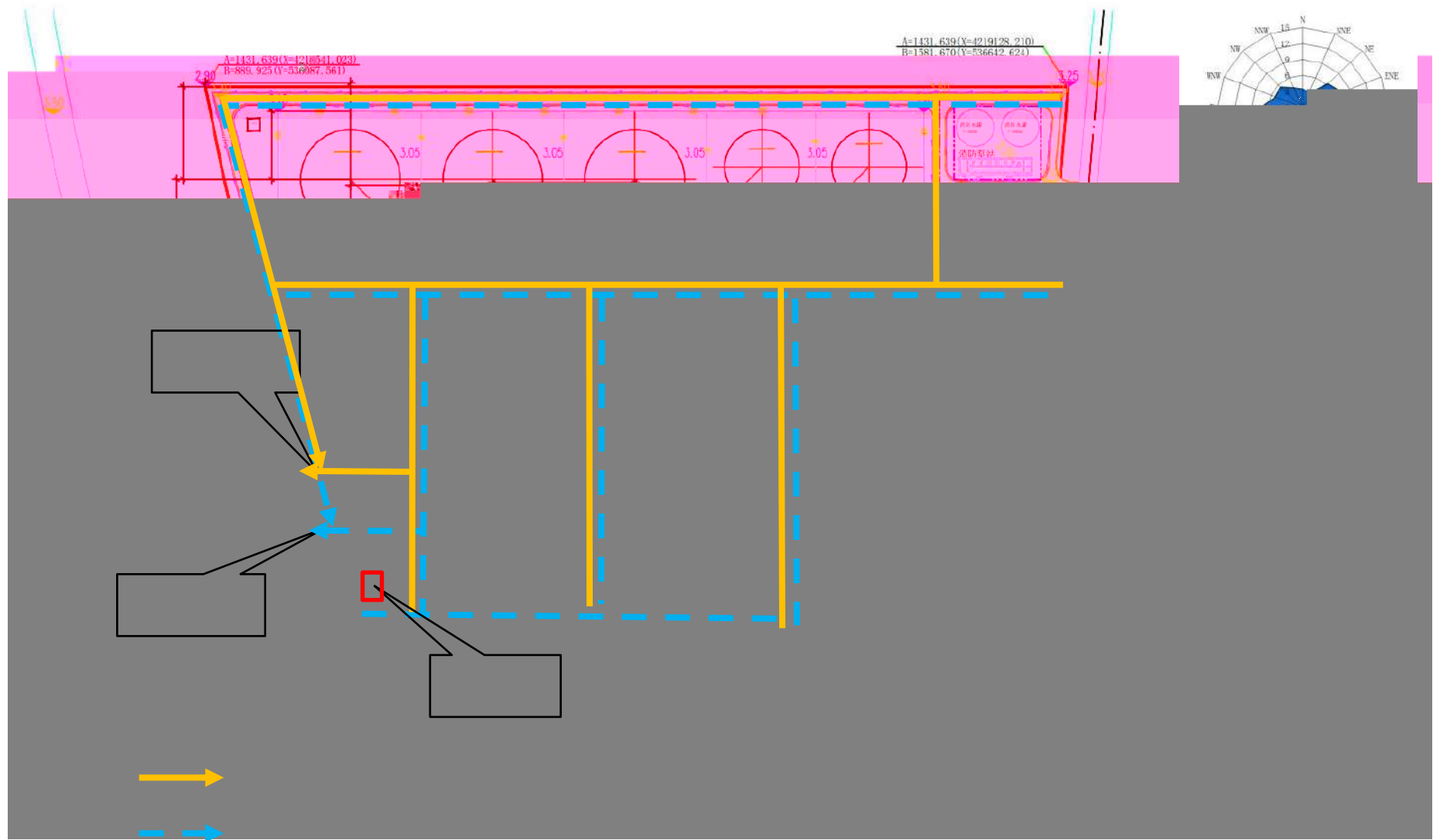
2 2

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(4)	
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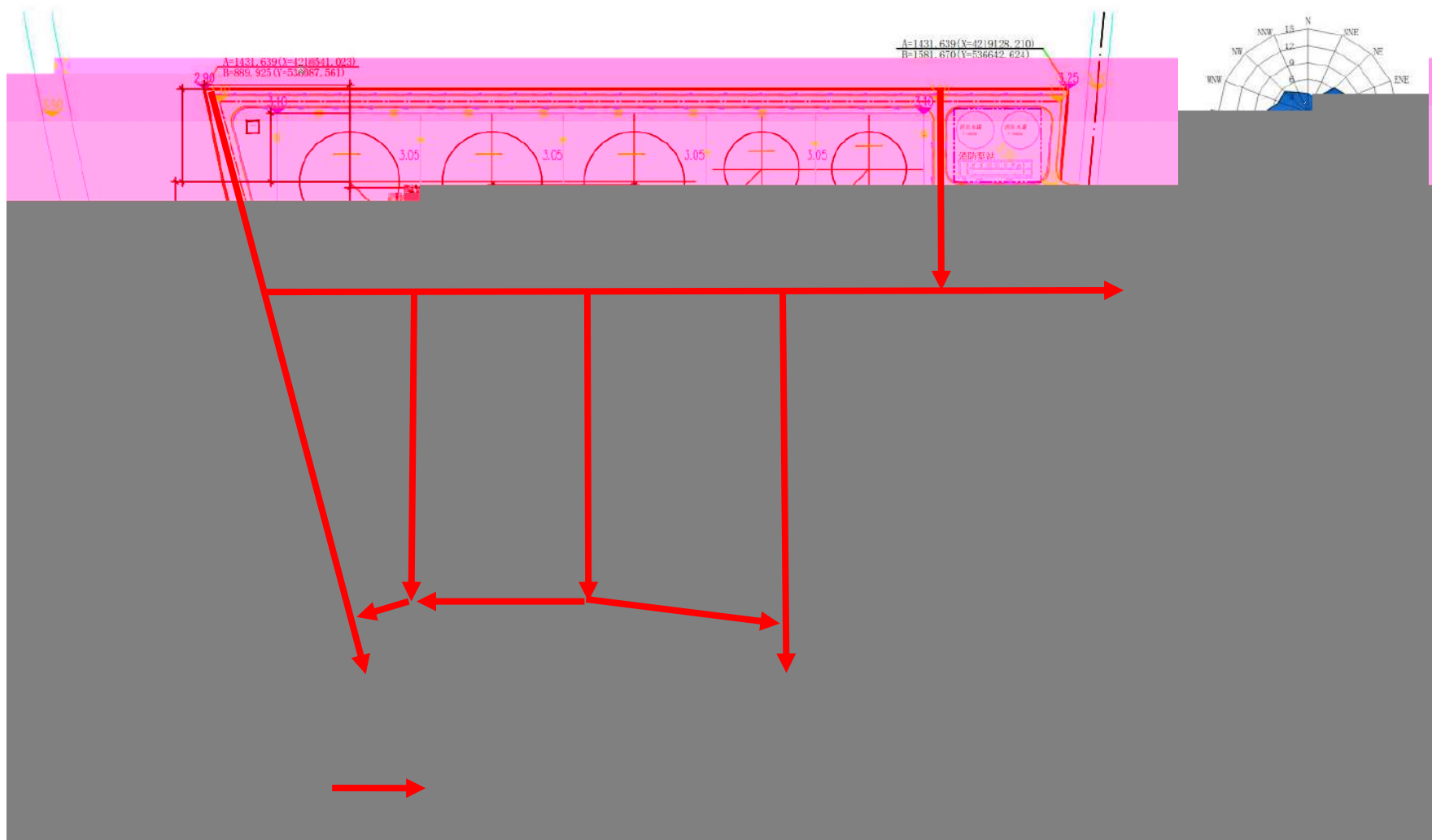




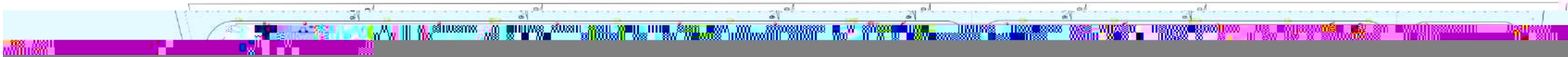
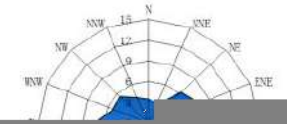


5

1:2000



应急物资布局图



16

16.1

16.1.1

16.1.2

16.2.3

16.2.4

16.3

16.3.1

I

1		1	10	
	5000			500
2				
3				

4

II

1 3 10

1 3 10

1 3 10

3000 5000 100 500

3000 5000 100 500

3000 5000 100 500

3000 5000 100 500

III

16.3.2

16.3.3

I

II

16.3.4

16.3.5

1

2

3

16.3.6

16.3.6.1

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16.3.6.2

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16.3-1

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17

17.1

17.1.1

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17.2

17.2.1

17.2.1.1

17.2.1.2

17.2.1.3

17.2.2

17.2.2.1

17.2.2.2

17.2.3

17.2.3.1

17.2.3.2

17.3.2.4

17.3.3

I

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17.3.4

17.3.6

17.3.6.1

III

II I

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2

3

2	

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17.3.8

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18.1

18.1.1

18.1.2

HJ964-2018

18.1.3

18.2

18.2.1

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18.2.2

18.2.3

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18.3.1.1

18.3.1.2

18.3.1.3

18.3.5

18.3.5.1

1

VB/4PEY/PDQAAOBÀABNaiF12KdyBô(AQYB/4U7EXPL/DCC9EhMÄZ(sic)HÈ

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0049E02700

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18.3.7

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19.1.2

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19.1.3

19.3

19.3.1

19.3.2

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19.3-2

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19.3.3

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19.4

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20.1

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20.2

20.3

20.3.1

		450t/5a		HW08 251-001-08	
		36t/2.5a		HW08 251-001-08	

20.3.2

20.3.3

20.4

1

2

20.5

1

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30kg

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20.6

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2

0.04t/a

0.04t

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B

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20.9

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a

GB18597-2001

b

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d

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