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2019-320509-28-03-649295

( ) \_\_\_\_\_

: 2019 9

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1	.....	30
2	.....	
3	.....	
4	.....	
5	.....	
6	.....	
7	.....	
8	.....	

2019-320509-28-03-649295					
15806256326		—		215221	
				[2019]82	
				D4430	
m <sup>2</sup>		53210		m <sup>2</sup>	
( )		8412		30	
( )		2020.3			

**1-1**

		CH <sub>4</sub>	0	8760 m <sup>3</sup>	8760 m <sup>3</sup>		
		/	17.2034	0	-17.2034	/	/

**1-2**

	CH <sub>4</sub>	0.55	537	15%	5.3%	
		0.415				



1

2008

“ ” “ 21000 / ” 2010 4  
 2013 2  
 [2010]242 [2013]101 2017 [2017]51  
 [2017]99  
 2017

8412 “ ”  
 15 2019 9 6  
 [2019]82 1  
 2014 4 24 2015 1 1  
 2016 2016 9 1  
 2017 6 21 2017 10 1  
 2018  
 2018 92“  
 ”

2

2019-320509-28-03-649295

8412

30

53210m<sup>2</sup>

365 3 24

15

1-4 70

3800

**1-4**

	6	1450	4	6	1450				40
		2			4	2	PET		+12
							PTT		
1	3	1000	2	3	1000		10		+3
		1			2	1	PTT		
2	6	1450	4	3	1450				20
		2			2	1	CPD	+	25
3	3	1450	2	3	1450				
		1			2	1			25

**1-5**



“ 12 PTT ”

“ 20 CDP ”

8 “ ” “ 40 ”

“ ” “ 50 ”

” “ ” 30

” “ 25 ”

“ ”

2008 7 2010 9 2012 1 2013 6

2016 7 2011 8 2013

2017 12 08

2019 8 28

2012 11

2015 5

2012 5

2016 1 2016 12

2018 8

2019 6 25

“ ” “ 21000

/ ” 2010 4 2013 2

[2010]242 [2013]101

2017 [2017]51 [2017]99

2017

15

1-7

	12 PTT	FDY 60000 DTY60000		[2008]873 [2008]336 [2008]151	2012.11	/
	20 CDP	FDY140000 POY60000		[2015]35 [2010]225 [2015]68	2015 72 2015.5	/
	8	8		[2011] 175	2012.5	/
	40	20 / FDY 10 / POY 10 / DTY		[2011]365 [2012]23	2016 21 2016.1	/
		4 500 120 PTA80 40		[2013]100	[2016]123 2016.12.13	/
	50	50		[2013]301 [2013]119	[2019]1	
	30	30		[2017]348	/	
	25	25		[2017]515	2019.6.25	/
		5		[2017]515	/	
		6		[2010]348	[2017]51	
	21000 /	21000 /		[2013]101	[2017]99	

**1-8**

			6 1450 / 4 2	6 1450 / 4 2
21000 /		1	3 1000 2 1	3 1000 2 1
		2	6 1450 4 2	3 1450 4 2
		3	3 1450 2 1	3 1450 4 2
		4	9 1450 6 3	

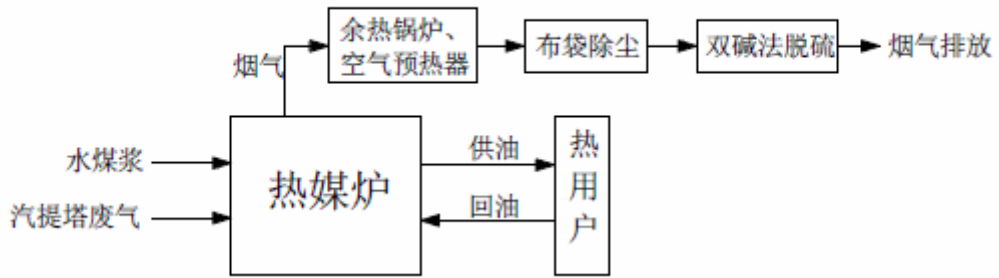
**1-9**

		/	17.2034 t	/

**1-10**

	1450 /	24	12
	1000 /	3	3
	/	27	15

1



1-1

325

285

400

145~175

1MPa

1.8t/h

2

1

+

“

+

”

“

SNCR

”

**1-11**

				“ + +SNCR ”	60m 1
	1			“ + +SNCR ”	
	2			“ + +SNCR ”	
	3			“ + +SNCR ”	

2

3

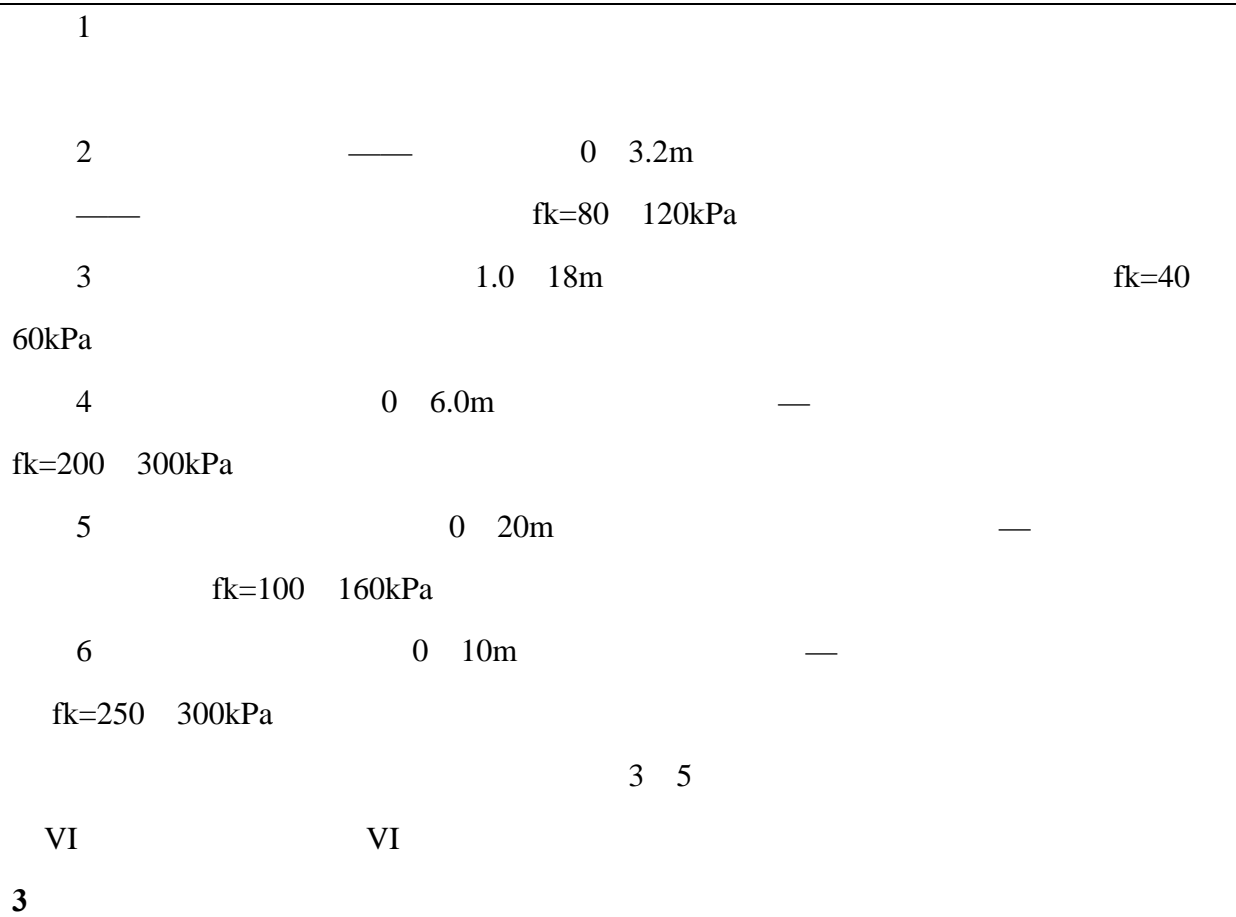
4

**1-12**

		t/a
		2400
	COD	0.84

	SS	0.48
		0.084
		0.012
	SO <sub>2</sub>	729.6
		121.4
	NO <sub>x</sub>	460.2
		5.06
		7.54
		0.13
		0.002
		0.05





2-1

2-1

1			15.8
			39.0
			-6.6
2			2.5m/s      3.2m/s
			32.1m/s
3			1015.7hpa
4			1069mm
5			SE 17.2%
			NW 5.4%
			SE 10.8%
6			2200h

4

1

40.5km

2.20 5.20

2

20

2

2-3m

5m

--

--

--

500-3000t/d

10-40m

1500-3200t/d

3-6m

5

1

2

“ ”

1

					1176.6
	40.01	40.06		“ ” “ ”	
			133.5		8.3
19421		25	15		

2

				“ ”	
	2013				
	“ ”			100	15.4%
	270	12.5%		66	23.1%
	5.56	11%		4.05	
29					

3

140

4

1

2

30 m<sup>3</sup>/d

50 m<sup>3</sup>/d

10 m<sup>3</sup>/d

40 m<sup>3</sup>/d

90 m<sup>3</sup>/d

2

2 500KV

220KV

13

8400MVA

3

5

2012-2030

2005-2020

2006

[2006]145

2012-2030

“ ”

6

1.74km<sup>2</sup>

2007 2 8

[2007]32

PTA

“ ”

ECS

2013 2

[2013]6

1.84km<sup>2</sup>

5 25

/ 125 / 2

50 / 3

75 /

198 /

0.66

1200m<sup>3</sup>/h



2-1

1			
2	<p>3                      1                      2</p>		
3	50		
4	50m	50m	
5	200		

2

2-2

1			
2			
3			
4			
5			
6			

7			
8			
9			
10			

2-3

1			
2		100%	
3			
4		1	
5		300	VOCs
6			[2017]134
7			
8			
9			

3

2-4

--	--	--	--	--	--

		G318 G318 G318 G318	/			
--	--	------------------------------	---	--	--	--

8 “ ”  
1

2-5

2-5

				km <sup>2</sup>		
	12341	5	1	180.8	/	180.8
				2.14	/	2.14

2

2018

2018

NO<sub>2</sub>

PM <sub>2.5</sub>	PM <sub>10</sub>	O <sub>3</sub>		
			2020	
	72%			
		2018		
“ ”				“
“ ”				
		2019	95%	2020
	2.4	/		
	92%		98%	
			2020	III
65%		GB3838-2002		
			2	4a
(GB12348-2008)2	4			
3				
9	“	”		

2

2019

35 /

65 /

**10**

[2018]122

2019 35 /

65 /

1

- HJ2.2-2018  
2018

9~15 /  
36~45 / 59~74 / PM<sub>2.5</sub>  
36~40 / CO 95 1.2~1.4 /  
8 90 153~176 /

3-1		CO	mg/m <sup>3</sup>	ug/m <sup>3</sup>	
				%	
PM <sub>2.5</sub>		36~40	35	102.85~114.28	
SO <sub>2</sub>		9~15	60	15~25	
NO <sub>2</sub>		36~45	40	90~112.5	
PM <sub>10</sub>		59~74	70	84.2~105.7	
CO	95	1200~1400	4000	30~35	
O <sub>3</sub>	8 90	153~176	160	95.6~110	

SO<sub>2</sub> CO NO<sub>2</sub> PM<sub>10</sub> PM<sub>2.5</sub> O<sub>3</sub>  
“ ”

60 /

30%

2

HJ2.3-2018

B 2018

50 “ ”  
24% 52% 24%

“ ”  
“ ”

2019

95% 2020 2.4 /  
92%

98%

2020 III 65%

3

1

2019 7 29 2 3-2

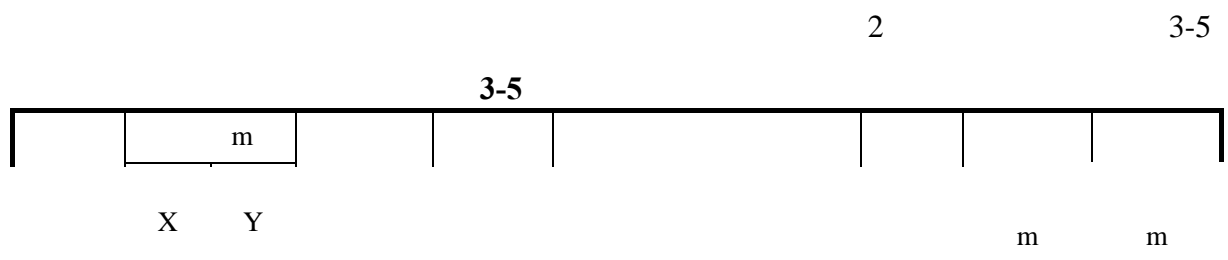
3-2 Leq dB(A)

N1	1m	4a	56.4	70		47.5	55		
N2	1m	2	54.3	60		48.5	50		
N3	1m	2	54.6	60		48.8	50		
N4	1m	4a	56.9	70		47.6	55		

3-2 1m

GB3096-2008 2 4a





1

CODcr

GB3838-2002

SS

SL63-94

4-1

4-1

GB3838-2002	1	pH	6 9
		CODcr	≤30
			≤1.5
			≤1.5
			≤0.3
SL63-94	3.0.1-1	SS	≤60

2

GB3095-2012

SO<sub>2</sub> NO<sub>2</sub> PM<sub>10</sub> PM<sub>2.5</sub> CO

(GB3095-2012) 1

4-2

4-2

(GB3095-2012)	1	SO <sub>2</sub>	μg/m <sup>3</sup>	500	150	60	
		PM <sub>10</sub>		—	150	70	
		PM <sub>2.5</sub>		—	75	35	
		NO <sub>2</sub>		200	80	40	
		CO		10000	400	—	
		O <sub>3</sub>		200	160	—	

4

GB3096-2008 4a

GB3096-2008 2

4-3

4-3

--	--	--	--	--

		2	dB A	60	50
	GB3096-2008	4a		70	55
1					
GB13271-2014 3 4-4					
4-4					
				mg/m <sup>3</sup>	
				20	
SO <sub>2</sub>	GB13271-2014 3			50	
NO <sub>x</sub>				150	
2					
GB3096-2008 4					
GB12348-2008 2 4-5					
4-5					
1m		2		60	50
1m		4		70	55

4-6

4-6

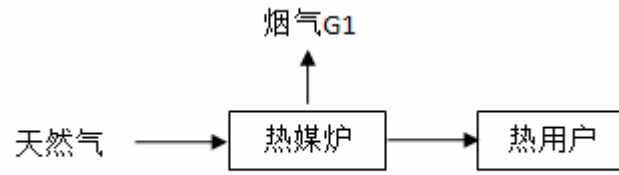
t/a

		2400	0	0	2400	0	/
	COD	0.84	0	0	0.84	0	/
	SS	0.48	0	0	0.48	0	/
	NH <sub>3</sub> -N	0.084	0	0	0.084	0	/
	TP	0.012	0	0	0.012	0	/
	SO <sub>2</sub>	729.6	21.025	708.575	21.025	-708.575	0
		121.4	35.04	86.36	35.04	-86.36	0
	NO <sub>x</sub>	460.2	163.9	296.3	163.9	-296.3	0
		5.06	0	0	5.06	0	0
		7.54	0	0	7.54	0	0
		0.13	0	0	0.13	0	0
		0.05	0	0	0.05	0	0
		0	0	0	0	0	/

SO<sub>2</sub> NO<sub>x</sub>

1

15



5-1

4

2.5kg/d

10kg/d

2.2

2.2.1

15

8760 m<sup>3</sup>/a

SO<sub>2</sub> NO<sub>x</sub>

4

6

23.3t/h

3718

m<sup>3</sup>/a

SO<sub>2</sub> NO<sub>x</sub>

1

45m

1#

1

3

16.6t/h

1324 m<sup>3</sup>/a

SO<sub>2</sub> NO<sub>x</sub>

1

45m

2#

2

3

23.3t/h

1859 m<sup>3</sup>/a

SO<sub>2</sub> NO<sub>x</sub>

1

45m

3#

3

3

23.3t/h

1859 m<sup>3</sup>/a

SO<sub>2</sub> NO<sub>x</sub>

1

45m

4#

2010

4430“

-

”

2	2#		17626	0.363	3.178
		SO <sub>2</sub>	29376	0.605	5.296
		NO <sub>x</sub>	137315	2.828	24.772
3	3#		17603	0.509	4.462
		SO <sub>2</sub>	29361	0.849	7.436
		NO <sub>x</sub>	137329	3.971	34.782
4	4#		17603	0.509	4.462
		SO <sub>2</sub>	29361	0.849	7.436
		NO <sub>x</sub>	137329	3.971	34.782
					<b>21.025</b>
		SO <sub>2</sub>			<b>35.04</b>
		NO <sub>x</sub>			<b>163.9</b>
					<b>21.025</b>
		SO <sub>2</sub>			<b>35.04</b>
		NO <sub>x</sub>			<b>163.9</b>

**5-4**

		t/a
		<b>21.025</b>
	SO <sub>2</sub>	<b>35.04</b>
	NO <sub>x</sub>	<b>163.9</b>

2.2.1

2.2.3

70~85dB(A)

**5-5**

	( )	dB(A)	(m)	dB(A)
1	15	80	E20	25
2	1	75	W18	20
3	15	85	S26	30
4	15	70	/	25
5	15	75	E20	25

2.2.4

			mg/m <sup>3</sup>	t/a	mg/m <sup>3</sup>	kg/h	t/a	
	1#		19.176	8.923	19.176	1.019	8.923	
		SO <sub>2</sub>	29.361	14.872	29.361	1.698	14.872	
		NO <sub>x</sub>	137.311	69.564	137.311	7.941	69.564	
	2#		17.626	3.178	17.626	0.363	3.178	
		SO <sub>2</sub>	29.376	5.296	29.376	0.605	5.296	
		NO <sub>x</sub>	137.315	24.772	137.315	2.828	24.772	
	3#		17.603	4.462	17.603	0.509	4.462	
		SO <sub>2</sub>	29.361	7.436	29.361	0.849	7.436	
		NO <sub>x</sub>	137.329	34.782	137.329	3.971	34.782	
	4#		17.603	4.462	17.603	0.509	4.462	
		SO <sub>2</sub>	29.361	7.436	29.361	0.849	7.436	
		NO <sub>x</sub>	137.329	34.782	137.329	3.971	34.782	
	/							/
	/							
					dB A			
					80		2 4	
					75			
					85			
					70			
					75			

**1**

• )

15%

5

60L/(

0.255m<sup>3</sup>/d

**2**

**3**

70~85dB(A)

1

22:00

6:00

2

3

4

5

**4**

**5**

1

2

15

SO<sub>2</sub> NO<sub>x</sub>

4 45m

SO<sub>2</sub> NO<sub>x</sub>

4

70~85dB(A)

(1)

HJ/T2.4-2009

G8AE12PÅ\$005476#PÄX0Ä((1))\$ÄL8E07.81274.62-5Ä80Ä6D)5004!N/T2.4L8P×7.98

7-1

7-1		dB(A)
1m	36.12	
1m	36.52	
1m	37.66	
1m	37.52	

5km/h

GB12348-2008 2 4

5



” ”

8-1

8-1

						( )	
	1-4#	SO <sub>2</sub> NO <sub>x</sub>	45m	4		GB13271-2014	25
	/						—
						GB12348-2008 2 4	5
							—
							—
							—
							—
							—
							/
							30

1

2019-320509-28-03-649295

15

8412

8760h

2

(2011

) 2013

2012

2013

2007

2013

2013

[2019]32

[2019]32

3

“

”

4

1

2

SO<sub>2</sub> NO<sub>x</sub>

4 45m

SO<sub>2</sub> NO<sub>x</sub>

3

(GB12348-2008)2 4

4

5

1

SO<sub>2</sub> NO<sub>x</sub>

4 45m

SO<sub>2</sub> NO<sub>x</sub>

2

3

GB12348-2008 2 4

4

6

SO<sub>2</sub>

NO<sub>x</sub>

GB3095-2012

SO<sub>2</sub>

NO<sub>x</sub>

GB3838-2002 IV

GB3096-2008 2

4a

9-1

t/a

			21.025	0	21.025
	1-4#	SO <sub>2</sub>	35.04	0	35.04
		NO <sub>x</sub>	163.9	0	163.9

9-2

t/a

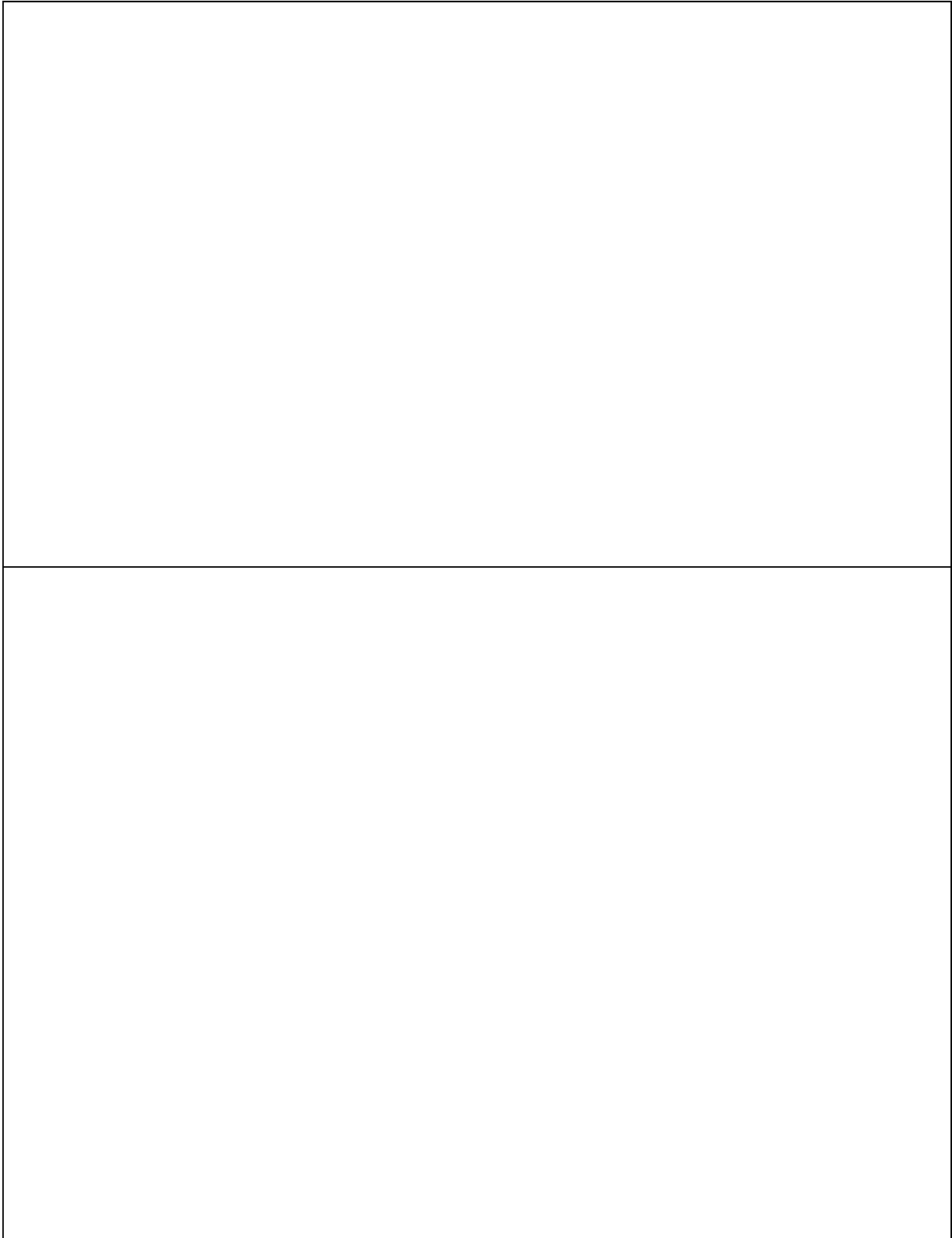
		2400	0	0	2400	0
	COD	0.84	0	0	0.84	0
	SS	0.48	0	0	0.48	0
	NH <sub>3</sub> -N	0.084	0	0	0.084	0
	TP	0.012	0	0	0.012	0
	SO <sub>2</sub>	729.6	21.025	708.575	21.025	-708.575
		121.4	35.04	86.36	35.04	-86.36
	NO <sub>x</sub>	460.2	163.9	296.3	163.9	-296.3
		5.06	0	0	5.06	0
		7.54	0	0	7.54	0
		0.13	0	0	0.13	0
		0.05	0	0	0.05	0
		0	0	0	0	0

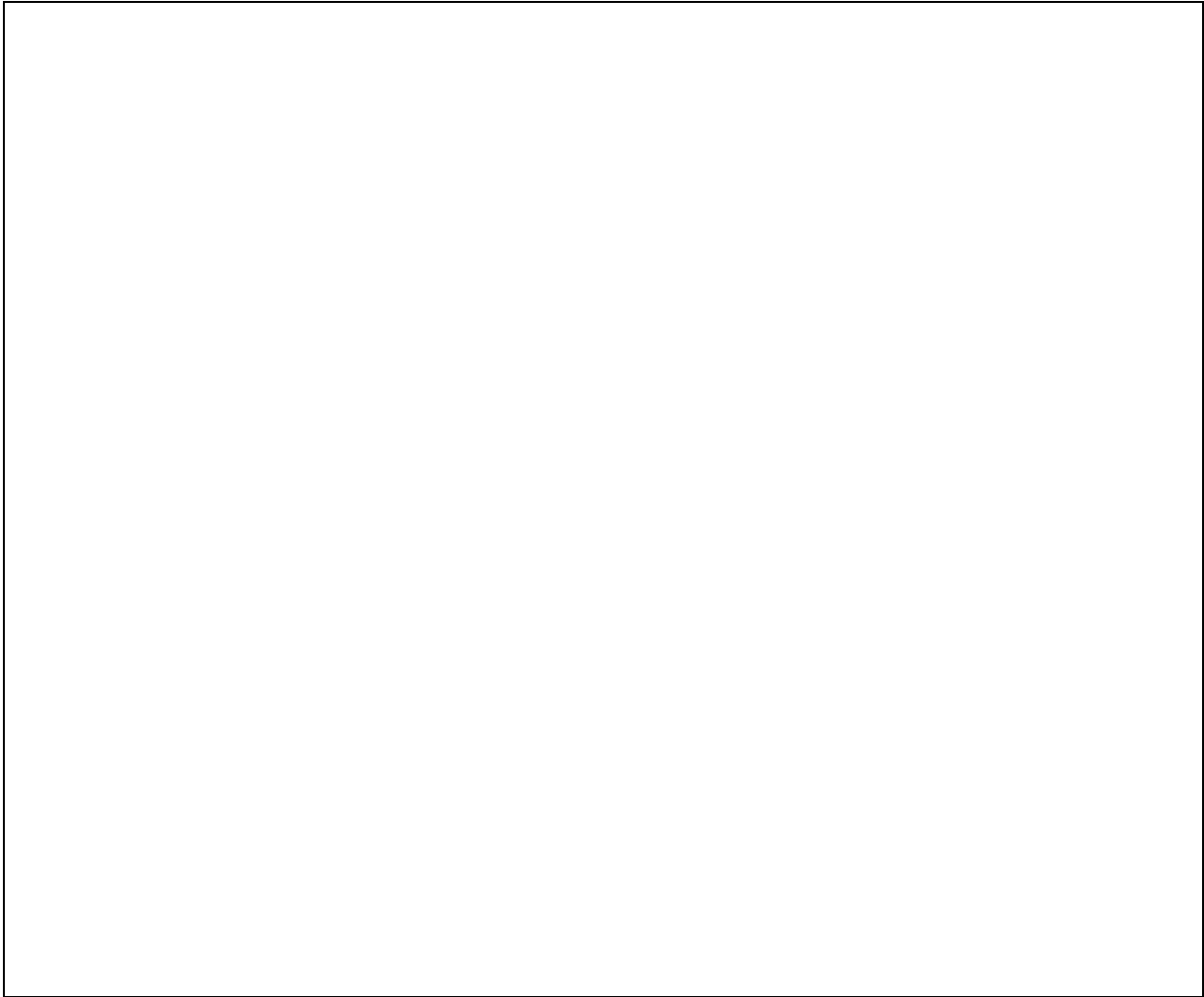
7

4-6

1.

2.





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