目名录：_____

一、建设项目基本情况

	2111-320161-89-01-695834		
			17849986616
	118 44 21.347 32 9 43.782		
	Q8421		84—108 842— 20
	□ □ □		□ □ □
/		/	2021 3
	30000		60
%	0.2		24
	_____	m^2	12999
	NJJBc020 2015 NJJBc020 2015 (2016 41)		
	Q8421 320111202100165 Aa NJJBc020 Rc		

2

2018

2021

2018 32

2018 74

9600

(

2 2020 1 4) 9

“ ”

“ ”

2020 49 1

“

”

“ ” 2020

49

“ ”

“ ”

“ ”

	1 2 2018 3 2015 251 4 “ ” 5	2014-2030 Q8421
	1 2	

	3	
	1 2	
	1 2 3	

“ ”

2021

O_3

2021 2021

$PM_{2.5}$ O_3 VOCs NOx

2021 11 10 “ ”

GDP

12% GDP

20% $PM_{2.5}$

2021 2021

“ ” 42

100%

5

2021 97.3%

93.8%

2022

1	2019 2021	
2		
3	2012 2012	
4	2013 2013	
5	2022	
6	2022	
7	2022	
8	2015 251	

“ ”

“ ”

GB18486-2005

1.0.2		
1.0.3		
6.0.1		
7.0.1		
7.0.2		
7.0.3	48.58t/d 80t/d	
7.0.4		

4.2.1 3		
4.3.1		

4.3.2 4		
5.4.2		
5.4.4		
5.4.5		
5.7 ≥1h 2-8mg/L	≥1h 2-8mg/L	

GB18486-2005

二、建设项目工程分析

30000

12999 4531

8468 39877

29686 10191

12477 8833 3644

27400 20853

4736.16 6547

2021 “ ”

“ ”

5000

67 “ 84—108 842—

20 ”

“ ”

1 12477 8833

3644 7 3 1

67 70 250

9

2021 11 9

2021 3 2111-320161-89-01-695834

1 CT

B

67

2

3

4 CT B

		m^2	4531	/
		m^2	12477	/
		m^2	8833	
		m^2	3644	
		m^2	8833	/
		m^2	1584.97	/
		/	1.95	/
		%	34.98	/
		m^2	1659.13	/
		%	36.62	/
			63	/
			7	/
			56	/
			223	/

2-2

	CT B

1

2

“ ”

GB18466-2005 2

(GB/T 31962-2015) 1 B

GB18918-2002 A

3

10 /

4

5

$1.46\times10^4m^3/a$

1			14919t/a	
			11756t/a	
			10 /	
			$1.46\times10^4m^3/a$	
			/	
2			“A/O+ + ”	
			+1 15m	
			20m^2	

2-4

1		/	1	
2		/	1	
3		/	1	
4	24	/	1	
5		/	1	
6		/	1	
7		/	1	
8		/	1	
9	B	/	2	
10		/	1	
11		/	2	
12		/	2	
13	X DR	/	1	
14	X CT	/	1	
15		/	1	
16		/	1	
17		/	1	
18		/	1	
19		/	1	
20		/	3	
21		/	1	
22		/	2	
23		/	2	
24		/	1	
25		/	1	
26		/	1	
27		/	2	
28		/	2	
29		/	1	
30		/	1	
31		/	1	
32		/	1	
33		/	2	
34		/	1	

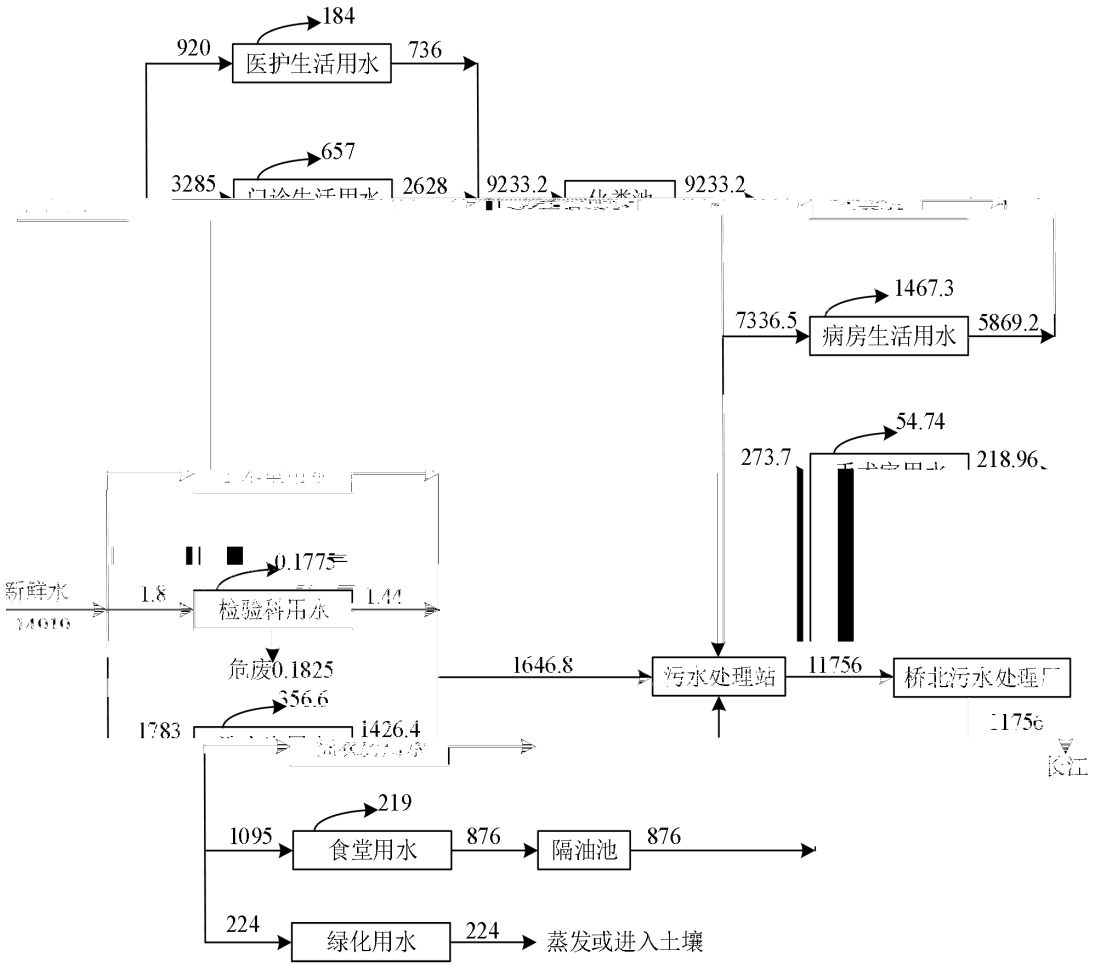
2-5

1	75%	720		60mL		24000mL
2	84	600		518g		51800g
3		840		100mL		40L
4		11200		7.5#		2000
5		15200		20		6000
6		1000		12*100		1000
7		50		100mL		20
8		2400		0.2g*20		600
9		10		500mL		10
10		2200		0.6#		500
11		2200		B		500
12		520				200
13		4000		15cm		1000
14		25000		7		5000
15		15650		2mL		2000
16		24000		20mL		5000
17		300		10mL		150
18		22000		100 /		200
19		50		50mL		10
20	M_5D	35		20L		5
21		3		4000mL		1
22	M_53LEOII	3		800mL		1
23	M_53LH	3		2000mL		1
24	c	5000		25 /		100

2-6

1		-114.1 1 =0.79 12 363		

2-1



70 365 8h

250 9

1 500m 2

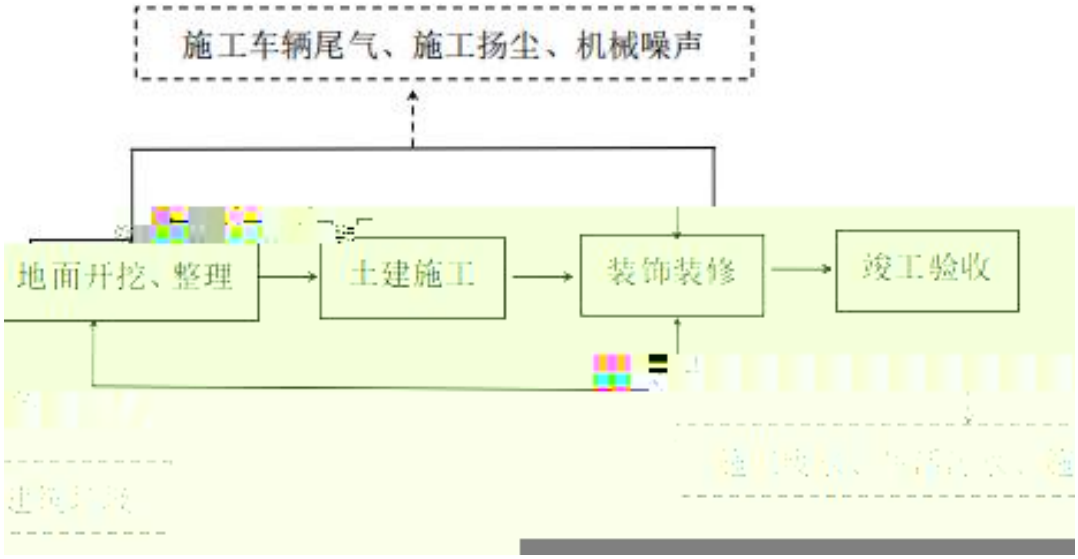
4531m² 12477m² 8833m²

3644m² 7 3 1

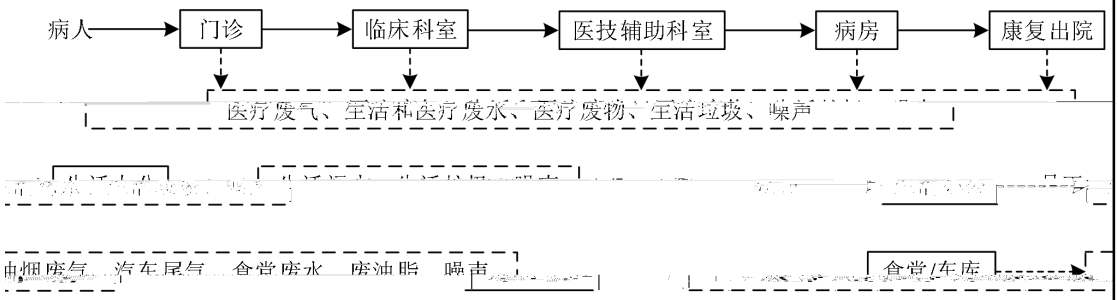
CT B

67 3

2-2



2-3



	W1		COD SS		
	W2		COD SS		
	W3		COD SS		
	G1				
	G2				
	G3				+15m
	G4		NMHC NO_2 CO		
	S1				
	S2				
	S3				
	S4				
	S5				
	S6				
	S7				

三、区域环境质量现状、环境保护目标及评价标准

HJ2.2-2018

2021 300

4 82.2% 0.9

91 6 65 61

4 O_3 $PM_{2.5}$ $PM_{2.5}$ 29 μ g/m^3

6.5% PM_{10} 56 μ g/m^3 NO_2 33 μ g/m^3

8.3% SO_2 6 μ g/m³ 14.3% CO

95 1.0mg/m^3 9.1% O_3 8 52

14.2% 2.2

$PM_{2.5}$			35	82.86	
PM_{10}			70	80	
SO_2			60	10	
NO_2			40	82.5	
CO	95		4000	25	
O_3	90		160	-	

O

2020-2021

2020 62 <2021-2022

100%

5

18 10

8

2021 534 2021

53.9 52.2

0.6 67.6 0.1 65.8

0.5 97.3% 1.8

93.8%

50m

4

1

500 3-2

		118.7480878	32.1589017		2000	GB3095-2012	SE	280
		118.7461137	32.1584657		1100		SE	130
		118.7427020	32.1559406		800		S	400
		118.7404489	32.1572668		900		SW	320

2

50m

500m

GB14554-93 1 2

GB18466-2005 3

		15	4.9		1.5	GB14554-93
			0.33		0.06	
			2000		20	
					1.0	GB18466-2005
					0.03	
					10	

DB32/4041-2021 3

VOCs

DB32/4041-2021 2

	10	
	0.12	
	0.5	
NMHC	4	

NMHC	6	1h	
	20		

GB18483-2001 “

”

	≥1 3	≥3 6	≥6	GB18483-2001
mg/m³	2.0			
%	60	75	85	

GB50118-2010

	≤40		≤45	
	≤40		≤45	
	/		≤50	
	/		≤40	
	≤50		≤55	
				30dB

1

380 36

2003 206

2

GB18599-2020 2021

GB18597-2001

HJ2025-2012

2019 327

3 GB18466-2005

4

	≤100	—	—	—	95

		0.0063	0.005	/	0.0013
		0.00027	0.00022	/	0.00005
		0.065	0.049	/	0.016
		0.216	0	/	0.216
	NH_3	0.0007	0.0004	/	0.0003
	H_2S	0.00003	0.00002	/	0.00001
	CO	0.523	0	/	0.523
	NO_2	0.010	0	/	0.010
		15770.06	0	15770.06	15770.06
	COD	6.312	2.367	3.945	0.789
	SS	4.734	3.789	0.945	0.158
	NH_3-N	0.706	0.228	0.478	0.079
	TP	0.079	0	0.079	0.008
	TN	0.789	0.311	0.478	0.237
		0.292	0.219	0.073	0.003
		2.66×10^{11}MPN	/	5000MPN/L	1000MPN/L
		74.46	74.46	/	0
		36.5	36.5	/	0
		1.0	1.0	/	0
		61.7125	61.7125	/	0
		0.5	0.5	/	0
		30.96	30.96	/	0
		15.16	15.16	/	0

1 0.0013t/a 0.00005t/a

2 15570.06t/a COD3.945t/a SS 0.945t/a 0.478t/a 0.079t/a 0.478t/a 0.073t/a 15570.06t/a COD0.789t/a SS 0.158t/a 0.079t/a 0.008t/a 0.237t/a 0.003t/a

3 GB/T 4754-2017 Q8421 2019

四、主要环境影响和保护措施

	100m 70%~138% 90% 6% “ 40 ” 2 “ ” “ ”

70%

75% 0.2t/a 0.15t/a

GB/T18883-2002 ≤2500cfu/m^3

70 67

200 3 365 5h 73000 /

0.03kg/ 73000 × 0.03/1000=2.19t/a

2% 4%

3% 2.19×0.03=0.065t/a 75%

0.02t/a 5000m^3/h 0.74mg/m^3

GB18483-2001 2.0mg/m^3

4.1-1

					mg/m^3			mg/m^3
	200	2.19	3%	0.065	2.97	75	0.016	0.74

EPA 1gCOD

0.0031gNH_3 0.00012g H_2S COD 2.367t/a

0.007t/a 0.0003t/a

2013 197

“

”

1 90%

1000m^3/h ≥ 80% 1 15m DA001

≥ 60%

GB18466-2005 3

4.1-2

	NH_3	0.007	0.0063	0.0007	8760
	H_2S	0.0003	0.00027	0.00003	

63 7 56

5km/h

NMHC NO_2 CO

a

4.1-3

		NMHC	NO_2
	191	24.1	22.25

b

5km/h

1138m

2.5min

5min

c

1.6 90 /d

d

1187.94m^2 3.5m

6 /h 63714m^3/h

e

0.2L/km 5km/h

2.78×10^{-4}L/s

g=fmt

f g/L

m L/s

t s

0.083L

CO NMHC NO_2 15.92g 2.00g 1.48g

4.1-4

			NMHC	NO_2
	t/a	0.523	0.066	0.048
	kg/h	0.082	0.010	0.008

6

4.1-5 4.1-6

NH_3	1000	0.72	0.0007	0.0063		80	0.144	0.00014	0.0013	15	0.3	25	DA001

50%

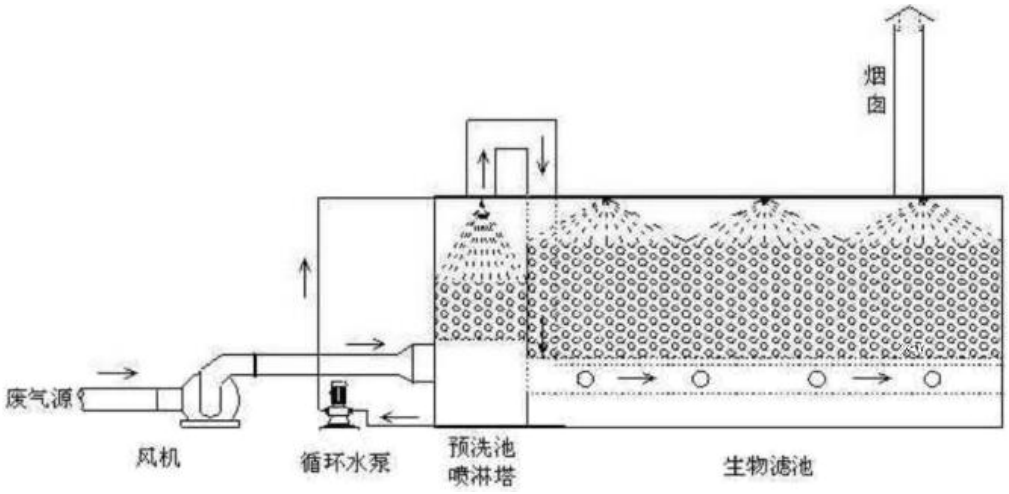
DA001	,	NH_3	0.36	0.00035	0.5	1	
		H_2S	0.015	0.000015	0.5	1	

0

0~40

5

20~35



90%

HJ1105—2020

90% 90% 2000m^3/h

1	/	/	/	/	/
		/			/

1	DA001	NH_3	0.144	0.00014	0.0013
		H_2S	0.006	0.000006	0.00005
		NH_3			0.0013
		H_2S			0.00005

1					DB32/4041-2021	4	0.15
2			NH_3		GB18466-2005	1.0	0.0003
			H_2S			0.03	0.00001
3			CO		DB32/4041-2021	10	0.523
4			NMHC			4.0	0.066
5			NO_2			0.12	0.010

		0.216
	NH_3	0.0003
	H_2S	0.00001
	CO	0.523
	NO_2	0.010

1		0.216
2	NH_3	0.0016
3	H_2S	0.00006
4	CO	0.523
5	NO_2	0.010

90%

15m GB14554-93

	1 /	GB18466-2005 3
	1 /	
	1 /	DB32/4041-2021

15 L/ · 200 1095t/a
0.8 876t/a

36L/ · 250
3285t/a 0.8 2628t/a

67 300L/ ·d
7336.5t/a 0.8 5869t/a

3 250L/ ·d
273.7t/a 0.8 219t/a

0.005t/d 1.8t/a
0.1 0.8
1.5t/a

0.02m^3/ 0.023m^3/ 0.012m^3/
67 1345t/a
30kg 40L/kg 438t/a 1783t/a
0.8 1426t/a

1659.13m^2 2012
1 4 0.6L/m^2· 2 3 2L/m^2· 2
104 224t/a
14919t/a 11756t/a
4.2-1

				t/a		t/a
1		36L/ ·	70	920	0.8	736
2		15 L/ ·	200	1095	0.8	876
3		36L/ ·	250	3285	0.8	2628

4		300L/ ·d	67	7336.5	0.8	5869.2
5		250L/ ·d	3	273.7	0.8	218.96
6		0.005t/d	365d	1.8	0.8	1.44
7		0.055m^3/	67	1345	0.8	1076
		40L/kg	30kg	438	0.8	350.4
8		0.6L/m^2·	1659.13m^2	224	0	0
		2 L/m^2·	1659.13m^2			
9		/	/	14919	/	11756

GB18466-2005 2

(GB/T 31962-2015) 1 B

GB18918-2002 A

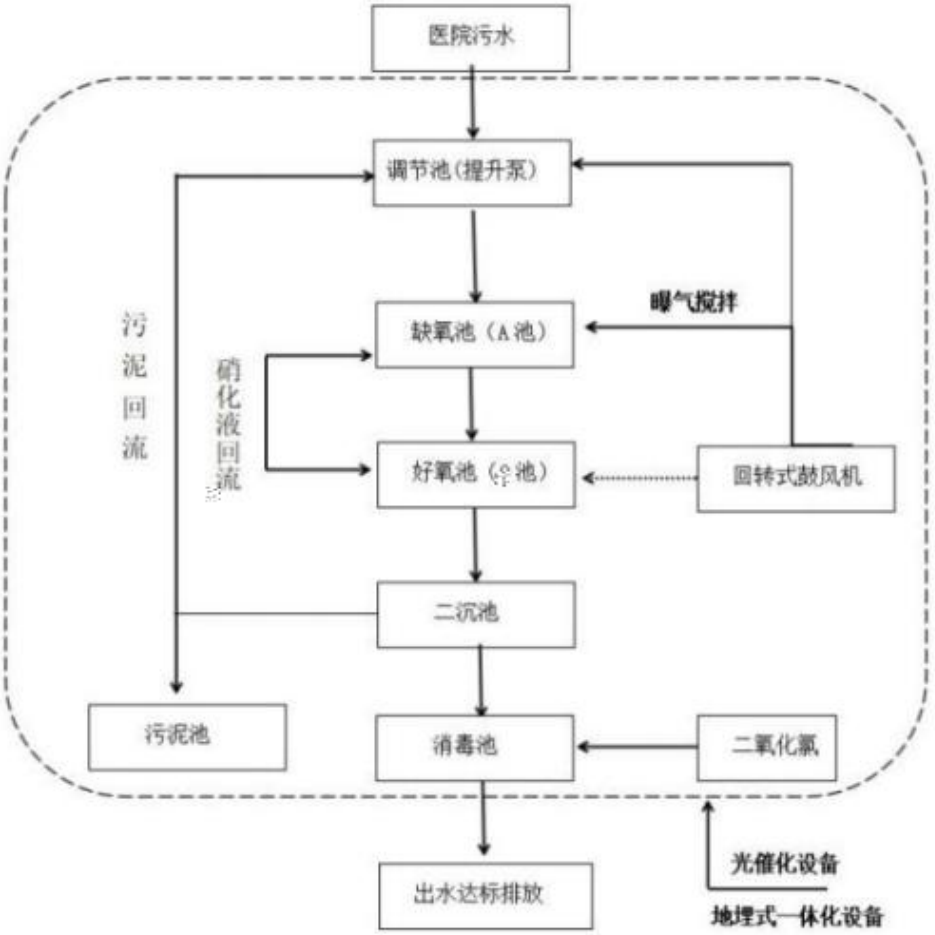
	9233.2	COD	400	3.693	+	250	2.308	250		50	0.462
		SS	300	2.770		60	0.554	60		10	0.092
		NH_3-N	45	0.415		30	0.277	45		5	0.046
		TP	5	0.046		5	0.046	8		0.5	0.005
		TN	50	0.462		30	0.277	70		15	0.138
	876	COD	400	0.350	+	250	0.219	250		50	0.044
		SS	300	0.263		60	0.053	60		10	0.009
		NH_3-N	45	0.039		30	0.026	45		5	0.004
		TP	5	0.004		5	0.004	8		0.5	0.000
		TN	50	0.044		30	0.026	70		15	0.013
			100	0.088		25	0.022	20		1	0.001
	1646.8	COD	400	0.664		250	0.415	250		50	0.083
		SS	300	0.498		60	0.100	60		10	0.017
		NH_3-N	45	0.075		30	0.050	45		5	0.008
		TP	5	0.008		5	0.008	8		0.5	0.001
		TN	50	0.083		30	0.050	70		15	0.025
			1.6×10^8 MPN/L	2.66×10^{11} MPN		5000MPN/L		5000		1000MPN/L	
	11756	COD	400	4.702	/	250	2.939	250		50	0.588
		SS	300	3.527		60	0.705	60		10	0.118
		NH_3-N	45	0.529		30	0.353	45		5	0.059
		TP	5	0.059		5	0.059	8		0.5	0.006
		TN	50	0.588	+	30	0.353	70		15	0.176
			18.5	0.217		4.6	0.054	20		1	0.012
			1.68×10^7MPN/L	1.98×10^{11} MPN		5000MPN/L		5000		1000MPN/L	

“ ”

GB18466-2005 2

GB18918-2002 1 A

“ + +A/O+ + ”



b

c

66.7

d

NO^{2-} NO^{3-} N_2

a

b

c

A B

	mg/L	400	300	45	1.6×10^{8}MPN/L
	mg/L	350	240	40	/
	%	12.5	20	10	/
	mg/L	350	240	40	/
	mg/L	180	50	22	/
	%	48.6	80	45	/
	mg/L	/	/	/	1.6×10^{8}MPN/L
	mg/L	/	/	/	

	%	/	/		9 %
%		55	85	5	
mg/L		250	60	45	5000MPN/L

6.1.3

+

+ + + “ + +A/O+

+ ” 4-8

COD NH_3-N SS

GB18466-2005 2

HJ1105—2020 “ ” S

20 m^3/d 9 m^3/d

11 m^3/d 11756m^3/a 32.2m^3/d

0.029%

HJ819—2017

HJ1105—2020

	PH	1 /12	
	COD SS	1 /	
		1 /	
	NH_3-N TP TN	1 /	

4.3-1

	80~85		
	85~95		
	85~90		

80 90dB A

63Hz 8KHz 8

Lp r

Lp r =Lw+Dc-A

$A=A_{div}+A_{atm}+A_{gr}+A_{bar}+A_{misc}$

Lp r — dB

Lw— A dB

Dc— dB Lw

DI

4π sr DΩ Dc=0dB

A— dB

A_{div}— dB A_{div}=20lg r/r0

A_{atm}— dB A_{atm}=a r-r0 /1000 a

A_{gr}— dB A_{gr}=4.8- 2hm/r 17+ 300/r

A_{bar}— dB 20dB A

25dB A

A_{misc}— dB

Lp r0

Lp r

Lp r =Lp r0 -A

A LA r 8

$$L_A(r)=10\lg\left\{\sum_{i=1}^{8}10^{[0.1L_{Pi}(r)-\Delta Li]}\right\}$$

LA r —— r A dB A

LPi r — r i dB

ΔLi— i A dB

A A

LA r =LAW-DC–A LA r =LA r0 -A

A A 500HZ

Lp1 Lp2

LP2=LP1- TL+6

Lp1— A dB

Lp2— A dB

TL— dB

$$L_{p1} = L_w + 10\lg\left(\frac{Q}{4\pi r^2} + \frac{4}{R}\right)$$

Lp1— A dB

Lw— A dB

Q— Q=1

Q=2 Q=4 Q=8

R— R=Sα/ 1-α S m^2 α

r— m

i

$$_1(\ ) = 10\lg(\sum_{=1} 10^{0.1\ \ _1})$$

LP1i T — N i dB

LP1ij— j i dB N—

L_{P2i} T $=L_{P1i}$ T - TL_i+6

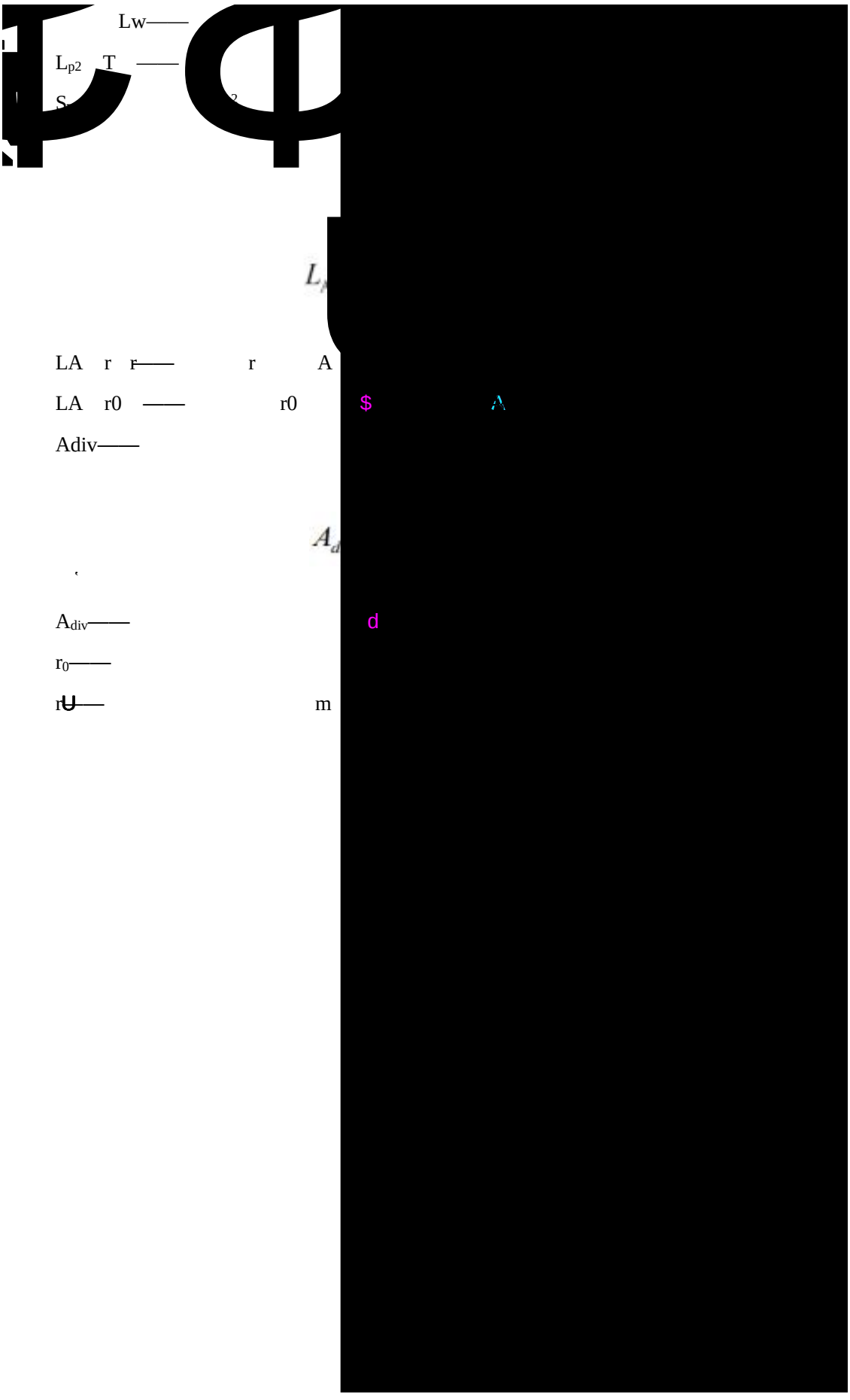
L_{P2i} T — N i dB

L_{P1i} T — N i dB

TLi— i dB

S

$L_W=L_{P2}$ T +10lgs


Lw——
Lp2 T ——
LA r r—— r A
LA r0 —— r0 $ A
Adiv——
Adiv——
d
r0——
rU— m

	40.53		
	38.02	60	
	39.38	50	
	40.35		

X=0 Y=0 Z=0

GB12348

2008 2

A

5m/s 1m

1.2m

70 1.0kg/ p·d

25.55t/a 2kg 67

48.91t/a 74.46t/a

0.65kg/ /

67 15.895t/a

0.5kg/ / 250 /

45.625t/a 61.52t/a

0.1825t/a 0.01t/a

0.1925t/a

61.7125t/a

1.0t/a

0.5kg/d 200

36.5t/a

GB18466-2005

0.5t/a

5.04t/10000t- 4.57t/10000t-

1 1

9.61/10000t- 15770.06t/a

15.16t/a

GB18466-2005

387 0.08kg/

30.96t/a

GB34330-2017

4.1-1

2021 G5085.7-2019B

4.1-2

2017 43

4.1-3

1					74.46	√	/	GB34330-2017
2					36.5	√	/	
3					1.0	√	/	
4					61.7125	√	/	
5					0.5	√	/	
6					30.96	√	/	
7					15.16	√	/	

1						(2016)	-	99	74.46
2							-	-	36.5
3							-	-	1.0
4							T,In	HW01 831-001-01 831-002-01 831-003-01 831-004-01 831-005-01	61.7125
5							In	HW01 831-001-01	0.5
6							In	HW01 831-001-01	30.96
7							In	HW01 831-001-01	15.16

	HW01	831-001-01 831-002-01 831-003-01 831-004-01 831-005-01	61.7125				30d	T,In	
	HW01	831-001-01	0.5				30d	In	
	HW01	831-001-01	30.96				30d	In	
	HW01	831-001-01	15.16				30d	In	

1

2

GB18597-2001

2019 327 2019.9.24

GB18597-2001

6.2

6.3.1 1m ≤ 10-7cm/s

2mm 2mm ≤ 10-10cm/s 6.3.9

6.3.11

(GB15562-1995)

29.5t

20m²

1		61.7125	HW01	831-001-01 831-002-01 831-003-01 831-004-01 831-005-01		0.6	30d		20m²
2		0.5	HW01	831-001-01		0.3	30d		
3		30.96	HW01	831-001-01		3	30d		
4		15.16	HW01	831-001-01		2	30d		

3

HW01 HW01 HW01

HW01

1		8	025-86553600	JSNJJBXQ0116CSI0061		HW01 :18000 /	2019-01	2023-12

4

(HJ 2025-2012) B

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HJ610-2016

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	2 3 4 40% 40%-60% 80% 60-100kPa (40%)

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11 59

2900ml/L

10%

20

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119 120

500m

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附表

	/	/	/	0.0013	/	0.0013	+0.0013
	/	/	/	0.00005	/	0.00005	+0.00005
	/	/	/	0.016	/	0.016	+0.016
	/	/	/	0.216	/	0.216	0.216
NH_3	/	/	/	0.0003	/	0.0003	0.0003
H_2S	/	/	/	0.00001	/	0.00001	0.00001
CO	/	/	/	0.523	/	0.523	0.523
NO_2	/	/	/	0.010	/	0.010	0.010
	/	/	/	15770.06	/	15770.06	+15770.06
COD	/	/	/	0.789	/	0.789	+0.789
SS	/	/	/	0.158	/	0.158	+0.158
NH_3-N	/	/	/	0.079	/	0.079	+0.079
TP	/	/	/	0.008	/	0.008	+0.008
TN	/	/	/	0.237	/	0.237	+0.237
	/	/	/	0.003	/	0.003	+0.003
	/	/	/	1000MPN/L	/	1000MPN/L	1000MPN/L
	/	/					