建设项目环境影响报告表

项目名称:_____

建设单位(盖章):_____

2017　03

	44				
	18618347894		——		100000
	126				
	☑ □ □			G541	
( )	4980.33		( )	/	
( )	560.7	( )	15		2.7 %
( )			2017.05		

2015

2016 752

18 126

2001 12 4980.33 m^2

253

“ V

”

1

—— 126

1

50 m

60 m

2

2

4980.33 m^2 735.45 m^2 2F

1F 1F 11

1-1

3

2F

1F 1F

3 4 5

4

170 10

8:30~05:00 160 05:00~24:45 365

1-1

1		m^2	4980.33
2		m^2	735.45
		m^2	516.00
		m^2	67.60
		m^2	151.85
3		/	0.15
4		m^2	477.45
5		%	0
6		%	9.59
7		m	7.80
8			11
9		m^2	64.80

1

24 m^3/a 3102.5 m^3/a

675 m^3/a 3801.5 m^3/a

90 % 21.6 m^3/a

85 % 2637.1 m^3/a

85 % 573.8 m^3/a

3232.5 m^3/a

2

159770 kWh/a

3

4

2011 2013

“ ” “ 3

”

2015 [2015]42

2001 12

2F ( )

1

3232.5 m^3/a

2

60~65 dB A

3~5s

GB12348-2008 1

3

31.0 t/a 3 kg/a

50 /a

4

85 % 1.5 mg/m^3 2.0 mg/m^3 9.9 kg/a

GB18483-2001

5

建设项目所在地自然环境社会环境简况

470.8 km^2 28 km 17 km

N39°49′~40°5′ E116°21′~116°38′ 9

1/1000~

1/2500 34 m 46 m

20 m

40 m~70 m 25 m

100 m

11090

m^3

10-12 t/cm^2 80 cm

∈

O

40—80m

20—50m

40m

10000 m3/d

100~400 m/d 40~80m

11.6 1 4.6 7

25.9 192 581 mm 1971~2000

75 % 1998

134.24 kcal/cm^2 49 %

2841.4 h 5 279.1 h 6 277.3 h

151 km 110

320 km

70 980

22 km

1292

1000 m^3/d

1000~2000 m^3/d

20 m 70 m

50 m 20~35 m 10 m

24 19

1 24

2 19

2015

GDP 4640.2

7.0% 1.2 16.1% 358.0

3.3% 4281.0 7.3%

0.02 7.72 92.26

1

2015 214 66518

24.7 % 68.0 % 95.8 %

86 21326 134132 14221
100 % 100 % 7253
6795
91 16914 52001 15810
100 % 99.92 % 100 %
94.88 % 96.78 % 12407
10190
5 2513 7631 2964
991 761
2
2015 3 44
304.3 35 71
43 100 %
4770 1512 194

环境质量状况

GB3095-2012 2015

$PM_{2.5}$ 83.4 μg/m^3 PM_{10} 106.4 μg/m^3 SO_2 15.5 μg/m^3 NO_2 59.4 μg/m^3

SO_2

GB3095-2012

GB3095-2012

2016 8 12

3-1 2016 8 9 12 10 11

GB3838-2002

3-1

	2016 8	**2016 9**	**2016 10**	**2016 11**	**2016 12**
	V1	V			V1

2.1 km

2015 2015

4 9

307 300 177

150 m 98 150 m 25

GB/T14848-93

177 92

43 42

3530 km^2 55.2 % 2870 km^2

44.8 %

98 67

26 5

2729 km^2 79.4 % 706 km^2

20.6 %

25

2014 3 1 GB3096-2008

1 55 dB(A) 45 dB(A)

2017 2

17

3-1

AWA5680 3-2

3-2 **dB(A)**

1#		51.5	43.2	55	45	
2#		49.2	43.5			
3#		46.4	41.1			
4#		45.1	42.2			
5#		42.6	40.0			
6#		42.9	40.5			

3-2

GB3096-2008 1

3-1

3-3

3-3

1		E 60m		GB3095-2012 GB3096-2008 1
2		N 50m		

GB3095-2012

4-1

4-1

SO_2		60	μg/m³
	24	150	
	1	500	
NO_2		40	
	24	80	
	1	200	
10μm		70	
	24	150	
2.5μm		35	
	24	75	

2.2 km

IV

GB3838-2002 IV 4-2

4-2 **mg/L pH**

pH	6 9
DO	≥ 3
COD	≤ 30
BOD_5	≤ 6
NH_4-N	≤ 1.5

(GB/T14848-93)

4-3

4-3 **mg/L pH**

	≤ 450
	≤ 20
	≤ 0.02
	≤ 0.2
	≤ 3.0
	≤ 0.002
	≤ 1.0

注：III类以人体健康基准值为依据。主要适用于集中式生活饮用水水源及工、农业用水。

1

GB3096-2008 1 4-4

4-4 **:dB(A)**

1	55	45

2

GB18483-2001

2.0 mg/m^3 60 %

4-5 4-6

4-5

mg/m^3	2.0		
%	60	75	85

4-7

	≥ 1 <3	≥ 3 <6	≥ 6
10^8J/h	≥ 1.67 <5.00	≥ 5.00 <10	≥ 10
m^2	≥ 1.1 <3.3	≥ 3.3 <6.6	≥ 6.6

DB11/307-2013 “

” 4-6

4-6 **mg/L pH**

	pH	**CODcr**	**BOD_5**	**SS**		
	6.5 9	500	300	400	50	45

1

1

GB12348-2008 1 4-7

4-7 **dB(A)**

1	55	45

2

GB12523-2011

4-8

4-8 **dB(A)**

70	55

2015

2015 19

DB11 890-2012 1 B COD 30mg/L

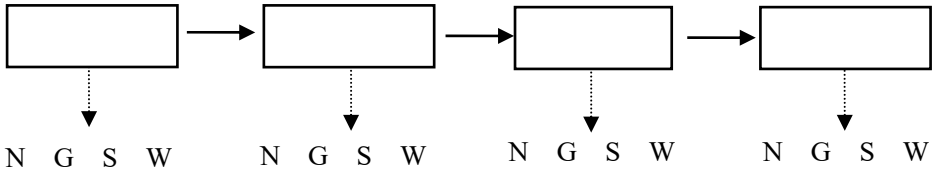
1.5mg/L 4 1 -11 30 2.5mg/L 12 1 -3 31

3232.5 m^3t/a

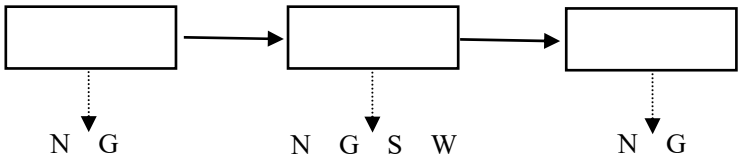
30 mg/L×3232.5 m^3/a×10^{-6}=0.097 t/a

3232.5 m^3/a× 1.5 mg/L×2/3+2.5 mg/L×1/3 ×10^{-6}=0.006 t/a

1



2



1

5-1

5-1 **TSP** **mg/m³**

	m						
	20	**50**	**100**	**150**	**200**	**250**	
	1.303	0.722	0.402	0.311	0.270	0.210	0.204
	0.824	0.426	0.235	0.221	0.215	0.206	

100 m TSP

TSP 6.39 4.04

0.479 mg/m^3

2

BOD_5 COD SS

20

30 L/ 0.6 m^3/d 80 %

0.48 m^3/d

3

99~136.3 dB A

4

0.5 kg/ ·d 20

0.01 t/d

1

CO NOx NMHC

11 V

“ 6.12

” 10

mg/m^3 ± 0.5 mg/m^3 10 mg/m^3

GB18483-2001

2.0 mg/m^3 60 %

4000 m^3/h 4.5h/d 65.7 kg/a

85 % 1.5 mg/m^3 2.0 mg/m^3

9.9 kg/a GB18483-2001

2.0 mg/m^3 60 %

2

GB50015-2010 “ 15~30 L/ · ”

30 L/ · 5 11

365 d 24 m^3/a 90 %

21.6 m^3/a

170 365 d

GB50015-2010 50 L/ ·d 8.5 m^3/d

3102.5m^3/a 85 % 7.2 m^3/d 2637.1

m^3/a

30 365 d

GB50015-2010 20 L/ ·

675 m^3/a 85 % 573.8 m^3/a

3232.5 m^3/a

5-2

	COD	**BOD_5**	**SS**		
mg/L	450	270	260	25	45
t/a	1.45	0.87	0.84	0.08	0.15
mg/L	350	200	160	20	30
t/a	1.13	0.65	0.52	0.06	0.10
DB11/307-2013 mg/L	500	300	400	45	50

3

60~65 dB A

3~5 s

4

170 0.5 kg/ ·

85 kg/d 31.0 t/a

3 kg/a

50 /a

	( )		( )	( )
			10 mg/m^3 65.7 kg/a	1.5 mg/m^3 9.9 kg/a
		COD BOD_5 SS	450 mg/L 1.45 t/a 270 mg/L 0.87 t/a 260 mg/L 0.84 t/a 25 mg/L 0.08 t/a 45 mg/L 0.15 t/a	350 mg/L 1.13 t/a 200 mg/L 0.65 t/a 160 mg/L 0.52 t/a 20 mg/L 0.06 t/a 30 mg/L 0.10 t/a
			31.0 t/a	31.0 t/a
			3 kg/a	3 kg/a
			50	50
	60~65dB A			
( )				

60 %

$$Q = 0.123(V/5)(W/6.8)^{0.85}(P/0.5)^{0.75}$$

Q—— Kg/km ·

V—— Km/hr

W——

P—— kg/m^2

7-1 10 t 1 km

7-1 **kg/ ·km**

km/h / P kg/m^2	**0.1**	**0.2**	**0.3**	**0.4**	**0.5**	**1.0**
5	0.051056	0.05865	0.11638	0.144408	0.170715	0.287108
10	0.102112	0.171731	0.232764	0.28881	0.341431	0.574216
15	0.153167	0.257596	0.349146	0.433223	0.512146	0.861323
25	0.255279	0.429326	0.58191	0.722038	0.853577	1.435539

$$Q = 2.1(V_{50} - V_0)^3 e^{-1.023W}$$

Q—— kg/t · a

V_{50}—— 50m m/s

V_0—— m/s

W—— %

V_0

7-2

7-2

μm	**10**	**20**	**30**	**40**	**50**	**60**	**70**
m/s	0.003	0.012	0.027	0.048	0.075	0.108	0.17
μm	**80**	**90**	**100**	**150**	**200**	**250**	**350**
m/s	0.158	0.170	0.182	0.239	0.804	1.005	1.829
μm	**450**	**550**	**650**	**750**	**850**	**950**	**1050**
m/s	2.211	2.614	3.06	3.48	3.820	4.222	4.624

7-2 250 μm

1.005 m/s 250 μm

1

GB12523-2011

40%

4

2

1

2

BOD_5 COD

SS

20 30L/

0.6 m^3/d 80 % 0.48

m^3/d

1

$$L_p = L_{P_0} - 20\lg(r / r_0) - \Delta L$$

L_p—— rm dB(A)

L_{p_0}—— rom dB(A)

r_0——L_{p_0} 5m 1m m

L—— dB(A)

2

1

7-3

7-3

	dB(A)										
	0m	**5m**	**15m**	**20m**	**30m**	**40m**	**50m**	**100**	**150**	**200**	**300**
	90	76	66.5	64	60.5	58	56	50	46.5	44	40.5
	90	76	66.5	64	60.5	58	56	50	46.5	44	40.5
	84	70	60.5	58	54.5	52	50	44	40.5	38	34.5
	94	80.1	71	68.1	64.5	62.1	60.1	54.1	50.6	48.1	44.6

2

GB12523-2011

70dB(A) 55dB(A) 60 m

(2001 4 5

72)

GB12523-2011

1

2

3

4

0.5kg/ ·d 20

0.01t/d

CO NOx NMHC

V

“ 6.12

” 10

mg/m^3 ± 0.5mg/m^3 10mg/m^3

GB18483-2001

2.0 mg/m^3 60 %

4000 m^3/h 4.5h/d 65.7 kg/a

85% 1.5mg/m^3 2.0mg/m^3

9.9 kg/a GB18483-2001

2.0 mg/m^3 60 %

60 m

HJ554-2010 “

20m ”

2637.1 m^3/a 573.8 m^3/a 21.6 m^3/a

COD 350 mg/L BOD_5 200 mg/L SS 160 mg/L 20 mg/L

30 mg/L

DB11/307-2013 “

” COD ≤ 500 mg/L BOD_5 ≤ 300 mg/L SS ≤ 400 mg/L

≤ 45 mg/L ≤ 50 mg/L

1

60~65 dB(A)

2

68 dB(A)

1

$$L=10\lg(10^{L1/10}+10^{L2/10}+\quad+10^{Ln/10})$$

L—

L_1 L_2… Ln— n

2

$$L_P(r)=L_P(r_0)-20\lg\ r/r_0$$

$L_P(r)$ $L_P(r_0)$—r r_0 dB

r— m

r_0— m

7-4 7-5

7-4

40 m	28 m	40 m	29 m	100 m	79m

7-5

1#		32.9	32.9	51.5	43.2	/	/
2#		36.1	36.1	49.2	43.5	/	/
3#		32.9	32.9	46.4	41.1	/	/
4#		36.3	36.3	45.1	42.2	/	/
5#		25.0	25.0	42.6	40.0	42.7	40.1
6#		30.0	30.0	43.2	40.6	43.4	41.0

7-5

GB12348-2008 1

GB3096-2008

1

31.0 t/a

3 kg/a

50 /a

2015

19

DB11 890-2012 1 B COD 30mg/L 1.5mg/L 4

1 -11 30 2.5mg/L 12 1 -3 31

3232.5 m^3/a

30 mg/L×3232.5 m^3/a×10^{-6}=0.097 t/a

3232.5 m^3/a× 1.5 mg/L×2/3+2.5 mg/L×1/3 ×10^{-6}=0.006 t/a

560.7 15

2.7 %

“

〔2013〕103 ” “

”

2017 2 28 7-1

	( )			
			85 %	
		COD BOD_5 SS		
	60~65 dB A GB12348-2008 1 GB3096-2008 1			

—— 126

50 m

60 m

4980.33 m^2 735.45 m^2 2F

1F 1F 11

1

1

1

1

2

0.48 m^3/d

2

3

1

2

0.01 t/d

2

1

CO NOx NMHC

V

85 %

GB18483-2001

2

24 m^3/a 3102.5 m^3/a

675 m^3/a 3801.5 m^3/a

3232.5m^3/a 21.6 m^3/a

2637.1 m^3/a 573.8m^3/a

COD 350

mg/L BOD_5 200 mg/L SS 160 mg/L 20 mg/L 30 mg/L

DB11/307-2013 “

”

3

60~65 dB(A)

GB12348-2008 1

GB3096-2008 1

4

31.0 t/a

3 kg/a

50

5

COD 0.097 t/a 0.006 t/a

1

2

3

——