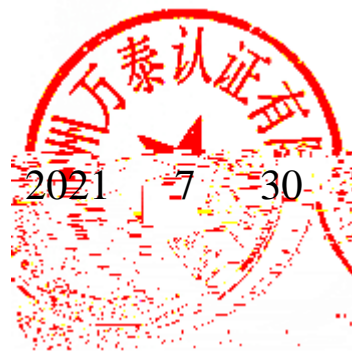


B-2020-142924161-01

2020



	.....	6
1.1	.....	6
1.2	.....	6
1.3	.....	7
	.....	9
2.1	.....	9
2.2	.....	9
2.3	.....	10
2.4	.....	11
	.....	12
3.1	.....	12
3.1.1	.....	12
3.1.2	.....	14
3.1.3	.....	18
3.1.4	.....	19
3.2	.....	19
3.2.1	.....	19
3.2.2	.....	20
3.3	.....	21
3.3.1	CO₂	21
3.3.2	CO₂	22
3.3.3	CH₄	22
3.3.4	CH₄	22
3.3.5	CO₂	24
3.3.6	CO₂	24
3.4	.....	25
3.4.1	.....	25
3.4.2	.....	33

3.4.3	.....	35
3.4.4	.....	39
3.5	.....	39
3.6	.....	39
3.7	.....	39
	40
4.1	40
4.2	40
4.2.1	40
4.2.2	41
4.3	41
4.4	41
	42
1	42
2	43
3	44

3 CH₄

4 CH₄

5 CO₂

6 u

- 2020 Š < u

1.3

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1

u

2

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3

6

2.1

u

2-1

	18721914620	1t 2t 3t 4t t 5t u	
	18676625841	1t t 2t 3t u	
	15057120365		u

2.2

2021 7 15
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< ” 2021 7 16

3u
1t t t
2t t
t t
3t t t

t t
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4t

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5t

6t

7t

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2021 7 20

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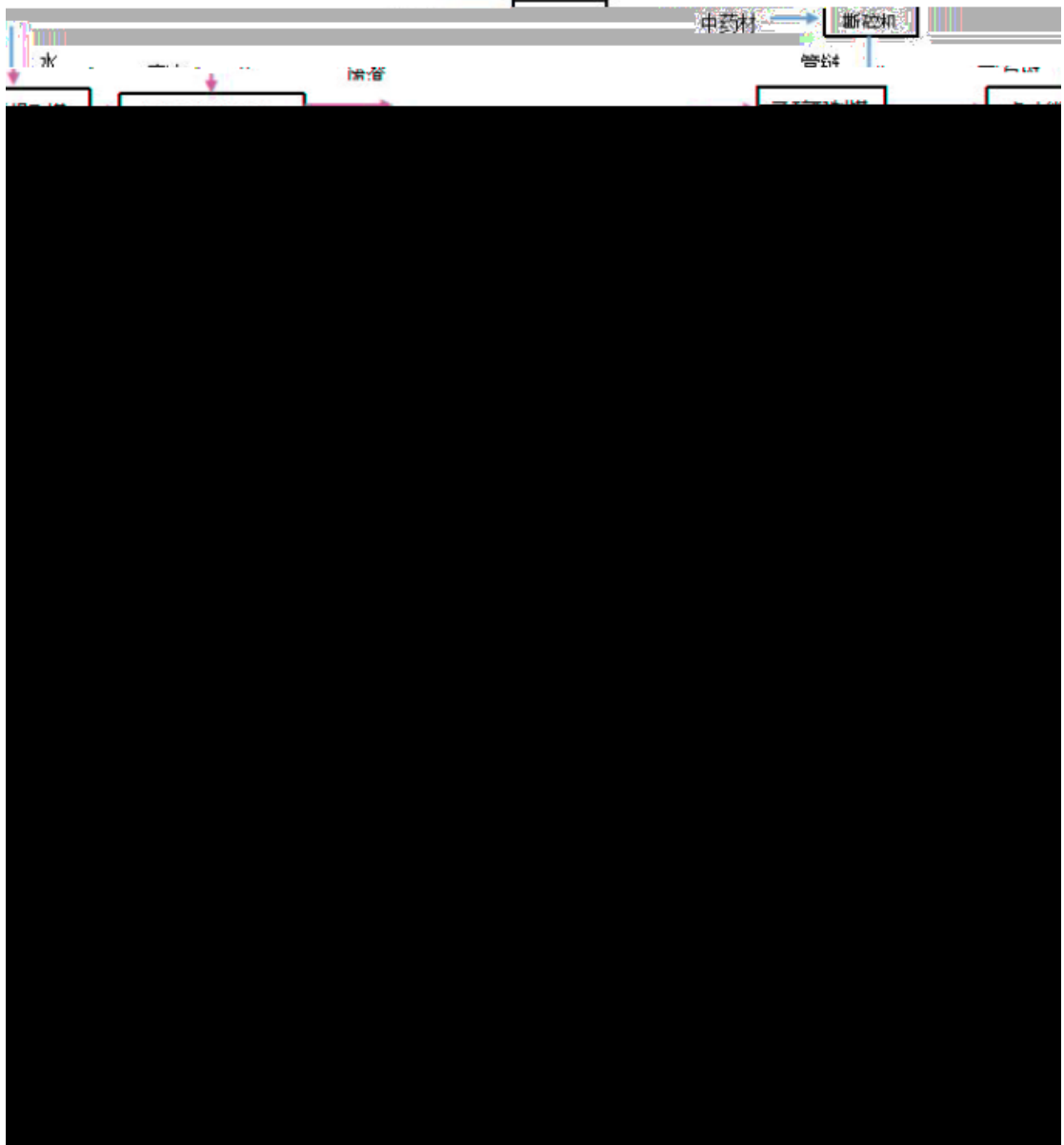
- Š <
- Š <
-
- 91330000142924161N
- 2740
- Š < u
- Š < t
-
- u
- 1
- 1993 01 09
-
-
- 0579-88271217
- t t t t
- u

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3.1.2

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3.



3.3

2

3-1

		/		
1		HLS400	2	48kW/
2	—		2	48.5kW/

44		30HXC	1	252KW
45		TCA201CH	12	20.5KW
46		RTHDD3G2G1	1	217.7KW
47		LSBLX350SVE		

3-3

60s/120s/150s (kg)	472580.83
19.2mgt 4.8mg(kg)	86049.55
(kg)	67790.31

3.1.4

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<

2020

2020

3112344

63225.8

19917.2

2019

t200 t

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3.4

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3.2.2

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3-4

	-	-	-	1
CH ₄				2
CH ₄	-	-	-	3
CO ₂	-	-	-	

CO ₂				
-----------------	--	--	--	--

1

u

2

Fe/C t

t

t EGSBt MBBR

u

3

CH₄

CO₂

u

u

3.3

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E

E_{CO_2}
 i
 AD_i i tt Nm^3
 CC_i i tC/tt $tC/$ Nm^3
 OF_i i $%u$

3.3.2 CO_2

$E_{GS\emptyset} = \tilde{A}_g(AD_g \times EF_g \times PUR_g)$ 3
 $E_{GS\emptyset}$ CO_2 CO_{2u}
 i
 AD_g i t t
 EF_g i CO_2 $CO_2/$ $i;$
 PUR_g i u
u

3.3.3

R_{GL8} CH₄ CH₄
 R_{GL8} CH₄ CH₄
 R_{GL8} CH₄ CH₄

$$R_{GL8} = D \times Q \times PUR_{GL8} \times 7.17 \quad 6$$

D %
 Q CH₄ Nm³
 PUR_{GL8} CH₄
 7.17 CH₄ CH₄

$$R_{GL8} = Q \times PUR_{GL8} \times 7.17 \quad 7$$

Q CH₄ Nm³
 PUR_{GL8} CH₄
 7.17 CH₄ CH₄
 R_{GL8} t CH₄

$$R_{GL8} = \Phi \tilde{A}_f \left(\frac{J V \times Z \cdot \wedge}{6.68} \times 16 \times 10^? \right) \quad 8$$

Φ CH₄ %
 H
 h
 FR_f Nm³/hu
 t 0 t 101.325KPa
 \tilde{A}_f CH₄ %
 22.4 Nm³/kmol
 16 CH₄ u

u

3.3.5 CO₂

$$R_{GS\theta} = Q \times PUR_{GS\theta} + Q \times PUR_{GS\theta} \times 19.77 \quad 9$$

$$\begin{array}{l}
 R_{GS\theta} \quad \text{CO}_2 \quad \text{CO}_2 \\
 Q \quad \text{CO}_2 \quad \text{Nm}^3 \\
 PUR_{GS\theta} \quad \text{CO}_2 \quad \text{CO}_2 \quad 0\sim 1 \\
 Q \quad \text{CO}_2 \quad \text{Nm}^3 \\
 PUR_{GS\theta} \quad \text{CO}_2 \quad \text{CO}_2 \\
 0\sim 1 \\
 19.77 \quad \text{CO}_2 \quad \text{CO}_2/\text{Nm}^3\text{u} \\
 \text{CO}_2 \quad \text{u}
 \end{array}$$

3.3.6

CO₂

$$E_{GS\theta} = AD$$

	u
	Š 20673 m ³ u

3-11 m³

1	1684
2	1462
3	1731
4	1805
5	1815
6	1864
7	1883
8	1709
9	1501
10	1480
11	1886
12	1853
m ³	20673

3.4.1.4

u

3.4.1.5

3-12

	m ³	COD _{in} (kgCOD/m ³)	COD _{out} (kgCOD/m ³)	(kgCOD)
	/	/	/	/

	135908	9.45	1.16	0

COD

} .

u

3-14

	15795.910	15795.910
	MWh	
	DTZY6	0.5S
	BDK1—GK1	u
		100%
	1	=
	-	16323.2000
	MWh	643.4400 MWh
	15679.7600 MWh	15880.9600 MWh
	1.27%	
	u	
	Ä 2 Å	
	527.2900 MWh	= -
	15795.910 MWhu	
	3	15795.910 MWhu
	Š	< u

3-15

2	782400	15953	766447
3	1247640	18123	1229517
4	1355440	21258	1334182
5	1928000	60000	1868000
6	1998520	80987	1917533
7	1802720	82173	1720547
8	1349520	54535	1294985
9	1213000	68385	1144615

			VX2404R	
	0.5			
			100%	
	1		62449	
		62445		0.0057%
	u			
	Ä2 Å			
	1213	=	-	61236 u
	3		0.7MPa,	200Å
	EasyQuery		V2.6	
	2843.86kJ/kgu	Š		
	AD _{st}	Ma _{st}	uEn _{st}	-83.74 u10 ⁻³
				169018.71GJu
		Š		
				169018.71GJu

3-18

	A	B	C	D=A-C
1	2242	2216	69	2173
2	2389	2415	38	2351
3	6177	6173	90	6087
4	7544	7544	48	7496
5	8041	8041	70	7971
6	6480	6480	66	6414
7	5955	5681	141	5814
8	1200			

9	2211	2122	196	2015
10	4200	5114	197	4003
11	8400	7305	112	8288
12	7610	7833.38	83	7527
t	62449	62445	1213	61236
	200	/		
MPa	0.7	/		
kJ/kg	2843.86	/		
GJ	169018.71	/		

Š <

Š < u

3.4.2

3.4.2.1 t

t				
		GJ/t	tC/GJ	%
		44.80	0.0189	98
		GJ/t	tC/GJ	%
		44.80	0.0189	98
Š <				
2020 t				
u				

3.4.2.2 t

t				
		GJ/t	tC/GJ	%
		43.33	0.0202	98

		GJ/t	tC/GJ	%
		43.33	0.0202	98
	Š <			
	2020 t			
	u			

3.4.2.3

t

	t			
		GJ/t	tC/GJ	%
		389.31	0.0153	99
		GJ/t	tC/GJ	%
		389.31	0.0153	99
	Š <			
	2020 t			
	u			

3.4.2.4

Bot MCF

	Bot MCF
--	----------------

Bo

	tCO ₂ /MWh	tCO ₂ /MWh
	0.7035	0.7035
	Š 2012 <	
	2012 u	

3.4.2.6

	tCO ₂ / GJ	tCO ₂ / GJ
	0.11	0.11
	Š <	
	Š < u	

Š <

t Š < u

3.4.3

3.4.3.1

t

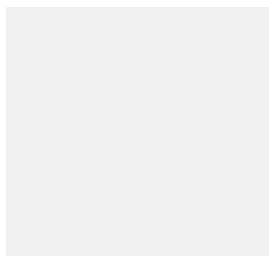
Nm

¥ " à Æ h Õ Õ Æ - ì % (s)) @ a ò • Ü Â Q (8 , Å ø á À õ Í • GJ / tCS0 CS 0 S / C

u

3.4.3.3

CH₄



3.4.3.4 CH₄

CH₄ u

3.4.3.5 CO₂

CO₂ u

3.4.3.6 CO₂

3-19

	(MWh GJ)	(tCO ₂ /MWh tCO ₂ /GJ)	
	A	B	
	15795.910	0.7035	
	169018.71	0.11	

3.4.3.7

3-20

	t	tCO _{2e}			
	159.76	159.76			
	-	-	-	-	
CH ₄	225.36	4732.62	4732.62	-	

4 CH₄ - -

4.1

2020

Š

<

u

4.2

4.2.1

2020

159.76 tCO₂

1

1	/	/	/

2

1	u
2	u
3	u

3

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	

14
