

HJ

HJ), \$! &\$%\$

Technical Specifications for Oil-contained Wastewater Treating Process

2010-10-12

2011-01-01

	.....	11
1	.....	1
2	.....	1
3	.....	1
4	.....	2
5	.....	2
6	.....	3
7	.....	8
8	.....	8
9	.....	9
A	.....	11

2010 10 12

2011 1 1

%

&

GB8978

GB50014

GB/T16488

CJJ60 94

JB/T2932

13

,

' "% c]` abX [fYagY
()

' "& c]` kaghYkahYf

' "' Z` cah] b[c]`
100µm

' "(X]gdYfgYX c]`
10µm 100µm

' ") Yai`g]Z]YX c]`
10µm 0.1µm 2µm

' "*" X]ggc`j YX c]`

0.1µm

' "+ kahYf aX'i gh] b[abX c]` gYdafah]cb hab_

' ", c]` gYdaf ah] cb hab_

' " - a] f Z` cahah] cb

' "%\$ Vta` YgWbW cZ c]` kahYf

' "%% df] aafy hfYahaYbh cZ c]` kaghYkahYf

' "%& gYVtbXafy hfYahaYbh cZ c]` kaghYkahYf

(

("%

("%%

(1)

$$Q = K \times q \times S \text{-----} (1)$$

Q —

m³/d

q —

m³/

S —

K —

(" &

(" &" %

(" &" &

(" &" '

)

)" %

)" % %

)" % &

)"%'

)"% (

30mg/L

)"%)

)"% *

GB50014

)"&

)"&"%

5.2.2

GB50014

)"'

)"' "%

GB50014

)" (

)" ("%

1

%

)" ("&

6

M

6.1

0.01 0.02

0.8m 0.5m

20

50 mm/s

2m/min

200mm

0.5m 0.4m

45° 60°

0.01 0.02

200mm

300mm

4.5m

4

80µm

0.2m

0.6m³/m² h 0.8m³/m² h

40mm 45°

3mm/s 7mm/s

Re 500 Fr 10

2

$$Re = \frac{v \cdot R}{\gamma} \dots\dots\dots (2)$$

3

$$Fr = \frac{v^2}{Rg} \dots\dots\dots (3)$$

v — m/s

R — m

— m/s²

g — 9.81 m/s²

15mm/s

200mm

15mm/s

200mm

4

*" "%

|

0.05µm

pH 6.5 8.5

100mg/L

*" "&

*" "&" %

*" "&" &

0.3MPa 0.5MPa

*" "&"'

5 10

25

*" "&" (

1min 4min

*" "&")

*" "&" *

*" " "

6.3.3.1

6.3.3.2

10min 15min

6.3.3.3

6.3.3.4

*" "(

6.3.4.1

6.3.4.2

4.5m

3 4

6.3.4.3

2.0m 2.5m

0.4m

6.3.4.4

1h

6.3.4.5

10mm/s

6.3.4.6

6.3.4.7

6.3.4.8

1r/min 5r/min

6.3.4.9

*" ")

*" ") "%

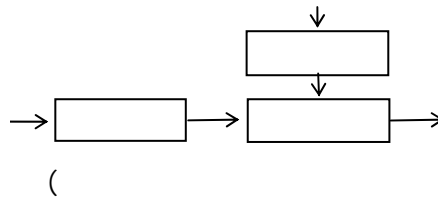
3



*" ") "&

*" " * "%

4



*" " * "&

25 50

*" " * "

15ng/L 25ng/L

40 ng/L 60ng/L

10ng/L 20ng/L

1ng/L 8ng/L

*" " * "(

0.3m

0.5m/s

30s

0.5m/s

1.0m/s

0.3m/s

0.5m/s

3min

10min

*" (

*" (" %

5µm 10µm

1µm 2µm

*" (" &

*" (" "

1

3mm 5mm

*" (" (

*" (")

0.6MPa

*" (" *

1

%

	(mm)	(mm)
	16 32	100
	8 16	100
	4 8	100
H		300

*" (" +

1

16mm 32mm

0.3m

*")

*") "%

6.5.1.1

50m²

30ng/L

6.5.1.2

(40% 50%)

3.5m 4.5m

6.5.1.3 0.005

6.5.1.4

6.5.1.5 400mm

*) "% *

*) "% + 25m² 100m² 50mm 25m² 40mm

*) "% , 1 2

6.5.1.9

*) "% &

6.5.2.1

*) "% & 8m/h 10m/h 12L/m² s 17L/m² s
15min

*) ""

6.5.3.1 25m/h 5L/m² s,
15min 20min

*** "% pH

*** "% &

*** ""

6.6.3.1 10s 30s

6.6.3.2 120m

6.6.3.3

*** "(

6.6.4.1

6.6.4.2 10min 30min
G 30s⁻¹ 60s⁻¹, GT 10⁴ 10⁵

***)

6.6.5.1

6.6.5.2

6.6.5.3

() ,

6.6.5.4

*" +

*" + "%

*" + "&

*" + "'

30ng/L

*" + "("

*" ,

*" , "%

8h 12h

*" , "&

GB50014

*" -

*" - "%

*" - "&

6.9.3

5 10

800 850

6.9.4

*" - ")

+

+ "%

+ "% %

+ "&

+ "&" %

+ "&" &

45

0.5M

+ "'

+ "' "%

+ "' "&

+ "' "'

,

, "%

, "% %

, "% &

, "% '

, "% (

, "&

, "&" %

, "&" &

-

, "5" 0)Ú 1/3 ' y"5" 4070 1Ñ,0AZË T 04E-0UÑ+020Â8œA'Au Û•Îê x îœA'Au ì h,Y,, Ñ Û•n Ä

1, ² Ä W Ä

8 ÞÄ· ǵ"•"+ Ld+ •F...ðï°F ~j 0F ç + h_ % €•° xÃá * •F‡Â° ÞAîîÔ Ä d d y"•gÂ"

, P " Š

Ä ‡

-)"&

A

A.1

$$D = \sqrt{\frac{4Q_1}{\pi q}} \dots\dots\dots (4)$$

D — m
 Q1 — m³
 q — m³/h m² 15m³/h m² 35m³/h m²

A.2

$$W = f \times h \frac{\pi D^2}{4} \dots\dots\dots (5)$$

W — m³
 h — m
 f —

A.3

$$h = vt \dots\dots\dots (6)$$

h — m
 v — m/h
 t — h

A.4

$$G = W \cdot \rho \dots\dots\dots (7)$$

G — kg
 — kg/m³

