

HJ 2038-2014

Technical specification for management of municipal
wastewater treatment plant operation

| | | |
|----|-------|----|
|  | ..... | II |
| 1 | ..... | 1 |
| 2 | ..... | 1 |
| 3 | ..... | 1 |
| 4 | ..... | 2 |
| 5 | ..... | 2 |
| 6 | ..... | 5 |
| 7 | ..... | 6 |
| 8 | ..... | 6 |
| 9 | ..... | 7 |
| 10 | ..... | 7 |
| 11 | ..... | 8 |
| 12 | ..... | 10 |
| A | ..... | 13 |
| B | ..... | 15 |

2014 06 10

2014 09 01

1

2

GB 12348

GB 15562.1

GB 18918

CJJ 60

3.4 sludge treatment rate

3.5 regulations on sludge transportation record

3.6 installations

4

4.1

CJJ 60

4.2

4.2.1

4.2.2

4.2.3

4.2.4

4.3

4.3.1

4.3.2

5

5.1

5.1.1

a

b

CJJ 60

c

5.1.2

a

HJ/T 372 HJ/T 355

b

GB 18918

5.1.3

5.2

5.2.1

a

b

DO

ORP

c

d

5.2.2

a

b

MLSS

MLVSS

c

HJ 576 HJ 577 HJ 578

5.2.3

a

b

| | | | |
|-------|----------|---------|-----------------|
| c | | | |
| | BAF | | |
| d | | HJ 2009 | HJ 2010 HJ 2014 |
| 5.3 | | | |
| 5.3.1 | | | |
| | HJ 2006 | | |
| 5.3.2 | | | HJ 2008 |
| 5.3.3 | | | |
| | HJ 579 | | |
| 5.3.4 | | | |
| 5.3.5 | | | |
| 5.4 | | | |
| 5.4.1 | | | |
| a | | | GB 15562.1 |
| b | | | HJ/T 355 |
| c | | | |
| d | | | |
| 5.4.2 | | | |
| a | | | HJ/T 372 |
| b | GB 18918 | | |
| 5.5 | | | |
| 5.5.1 | | | |

5.5.2

5.5.3

| | | | | | | | |
|------------------|----|----|---|---|--|-----|---|
| | | | | | | COD | |
| BOD ₅ | SS | pH | N | N | | | P |

6

6.1

6.1.1

6.1.2

6.1.3

6.1.4

6.1.5

[2010]157

6.1.5

6.2

6.2.1

6.2.2

6.2.3

6.2.4

A

6.3

6.3.1

6.3.2

6.4

6.4.1

GB 18918

6.4.2

6.5

GB 18918

7

7.1

7.1.1

7.1.2

7.1.3

GB 18918

7.2

7.2.1

a

b

8.2

8.3

8.4

GB 12348

9

9.1

9.2

9.3

9.4

10

10.1

10.1.1

10.1.2

B

10.1.3

10.1.4

10.1.5

10.1.6

HJ/T 212

10.2

10.2.1

a

b

PLC

c

d

e

10.2.2

a

COD

11.1.2

11.2

b

11.6.3

a

b

c

d

12

12.1

12.1.1

a

b

c

d

12.1.2

a

b

c

d

12.1.3

a

b

12.2

12.2.1

a GB 18918

b

12.2.2

a GB 18918

b

12.2.3

GB 18918 GB 12348

12.2.4

12.2.5

12.2.6

ISO 9000

12.3.3

12.3.4

ISO 18000

A.1

a

 V_1 V_2 V_3 m^3/d

b

 V_1 V_2 V_3

$$V_1 = \frac{1}{n} \sum_{i=1}^n v_i$$

A-1

 n v_i i

$$V_2 = 3600 \sum_{i=1}^n S_i v_i$$

v
e
A.2

V_3

W

1

$$W = \frac{1000 \cdot C \cdot \eta \cdot Q}{\rho \cdot 1 - P_1} \quad \text{A-6}$$

W — m³/d

C — mg/L

Q — m³/d

ρ — 1000kg/m³

P_1 —

2

$$W = aQ - bVX_v + cSrQ \quad \text{A-7}$$

W — m³/d

a — 0.5-0.7kg/kgBOD₅

Q — m³/d

Lr — BOD₅ kg/m³

b — 0.05d⁻¹

V — m³

X_v — MLVSS kg/m³

Sr — SS kg/m³

c — 0.5

* a b c

3

$$W = W + W \quad \text{A-8}$$

4

$$W = W \quad \text{A-9}$$

6" %

| | | | | | | | |
|---|--|--|--|------------------|--|--|---------------------|
| | | | | | | | |
| | | | | | | | |
| A ² /O A/O | | | | 1 2 3 4 | | | 1 DO 2 MLSS |
| | | | | 1 2 3 | | | |
| | | | | | | | 1 DO 2 MLSS 3 |
| Sf0 9 -9 0 350.58 82.1906 Tm0 0 0 sc906 Tm0 0 0 sc906 Tm0 d | | | | | | | |