Questionnaire – Denitrification/Phosphorus elimination

OLOID – Agitate, Circulate, Aerate

In order to quickly clarify whether this energy-saving technology is suitable for your application, please fill out this questionnaire as far as possible and to send to us by e-Mail.

Questionnaire

1. Project type

1.1 New ❍
1.2 Conversion ❍
1.3 Expansion ❍
1.4 Process optimisation ❍
1.5 Another type ❍ Short description: .....
.....

2. Water origin

2.1 Municipal wastewater ❍
2.2 Only commercial / industrial ❍
2.3 commercial / industrial + domestic company sewage ❍
2.4 Type of wastewater: ❍ Short description: .....
.....

3. Wastewater pre-treatment

3.1 Rake system ❍
3.2 Strainer ❍
3.3 Grit ❍
3.4 Buffer basin ❍
3.5 Other pre-treatment ❍ Short description: .....
.....

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4. Basin geometry and volume

4.1 Width of basin: ..... m

4.2 Length of basin: ..... m

4.3 Diameter of basin: ..... m

4.4 Water height: min ..... m

max ..... m

median ..... m

4.5 Basin content: min ..... m^3

max ..... m^3

median ..... m^3

5. Wastewater volumes

5.1 Daily value:min ..... m^3/d

max ..... m^3/d

median ..... m^3/d In relation to..... d/a

5.2 Weekly value: min ..... m^3/w

max ..... m^3/w

median …..... m^3/w In relation to..... w/a

5.3 Hourly value: min ..... m^3/h

max ..... m^3/h

median..... m^3/h In terms of average time of daily wastewater production: ..... Hourly average

6. Mode and operating parameters

6.1 Operation mode of basins:

- Continuous loading with waste water ❍
- Discontinuous loading with waste water ❍
- Operation of the basin after the SBR process (Sequence Batch Reactor) ❍

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- Circuit to the denitrification stage:
  Upstream denitrification ❍
  Downstream denitrification ❍
  Simultaneous denitrification ❍
  Alternating denitrification ❍

- Circuit of P elimination basin:

  Anaerobic stage in first place of biology
  (anaerobic, anoxic and aerobic) ❍

  Operation of the basin after the „Johannesburg-process“
  (JHB-process, anaerobic, anoxic and aerobic) ❍

  Anoxic stage in first place of biology
  (anaerobic, anoxic and aerobic) ❍

  Operation of the basin after the „University of Cape Town-process“
  (UCT- process, anaerobic, anoxic and aerobic) ❍

6.2 Operating parameters

- Temperature: min ..... °C
  max ..... °C
  Daily average ..... °C
- pH-value: Daily average .....
- Activated sludge concentration:
  min ..... mgTSS/l
  max ..... mgTSS/l
  Daily average ..... mgTSS/l
- Organic content of the activated sludge:
  Average ..... mgTSS/l

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7. Waste water inlet and outlet / return sludge feed

7.1 Waste water inlet

Short description: ….....

.....

.....

7.2 Return sludge feed

Short description: ….....

.....

.....

7.3 Waste water outlet

Short description: ….....

.....

.....

8. Further attachments

It would serve the Inversions Technik GmbH if sketches or plans of the pools and the circuit could be attached.

Company: .....

Name: .....

Place and date: .....

Signature: .....

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