JEAN-CHRISTOPHE ADES
CASE STORY: WASTEWATER TREATMENT

Sludge dewatering

Superfloc XD-7600

CASE STUDY 1

PLANT DATA:

- 410 000 Population Equivalent
- 109 000 m³/day
- 10 000 ton sludge dry matter
- Digested sludge
- 2 Guinard D7LL centrifuges
- Flowrate ≈ 30 to 35 m³/hr
- DS feed ≈ 4 to 4,5 %
- Polymer make-up unit: Batch system
- Date of testing: August, 2016

Municipal waste water treatment plant in UK

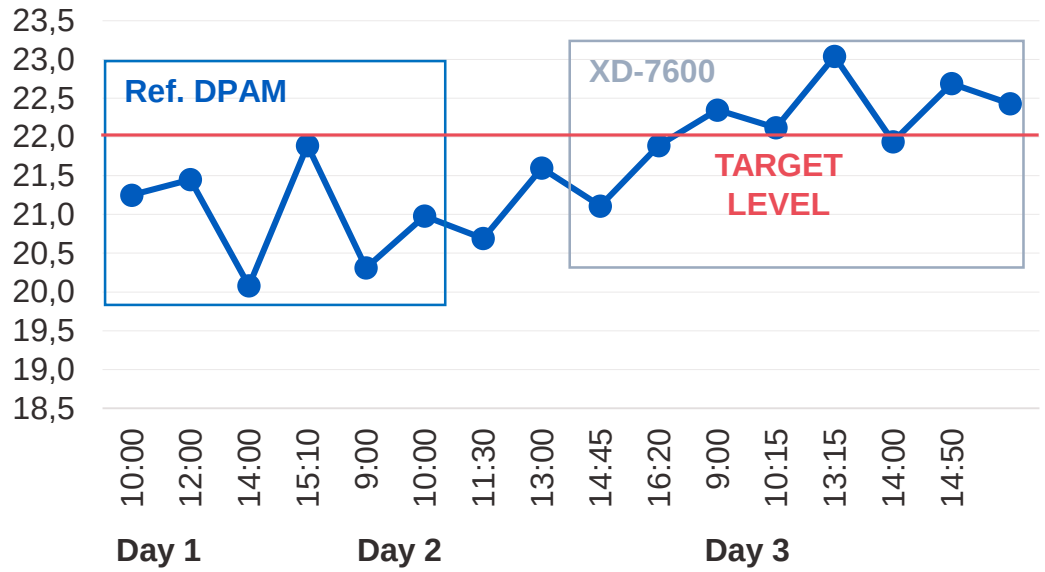
Superfloc XD-7600

CASE STUDY 1

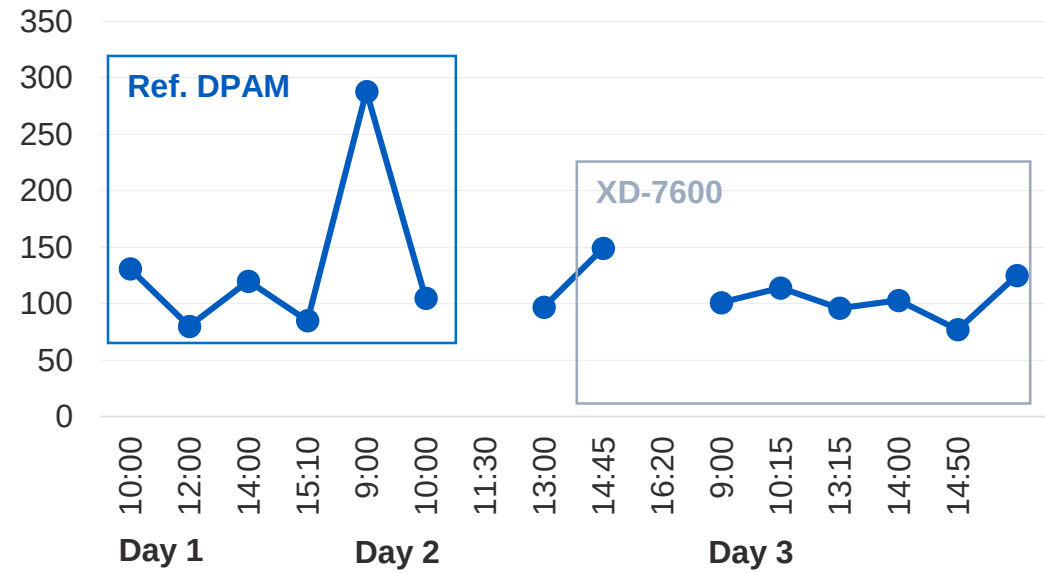
Plant targets:

- Dry Solids: > 22,0%
- Suspended solids in centrate: < 1000 mg/l

CAKE DRY SOLIDS (%)



SUSPENDED SOLIDS CENTRATE (mg/l)



Polymer consumption with both polymers: 7-8 kg / tds

CASE STUDY 1

Results

- Dry solids with reference polymer below target of 22%
- Dry solids with Superfloc XD-7600 above target of 22%
- Polymer consumption of both polymers 7-8 kg / tds
- Improved centrate quality with Superfloc XD-7600 versus reference polymer

kemira

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meets chemistry™