

About company







We produce



Cheese

Cream, sour cream, cottage cheese

Deserts

Whey protein drinks

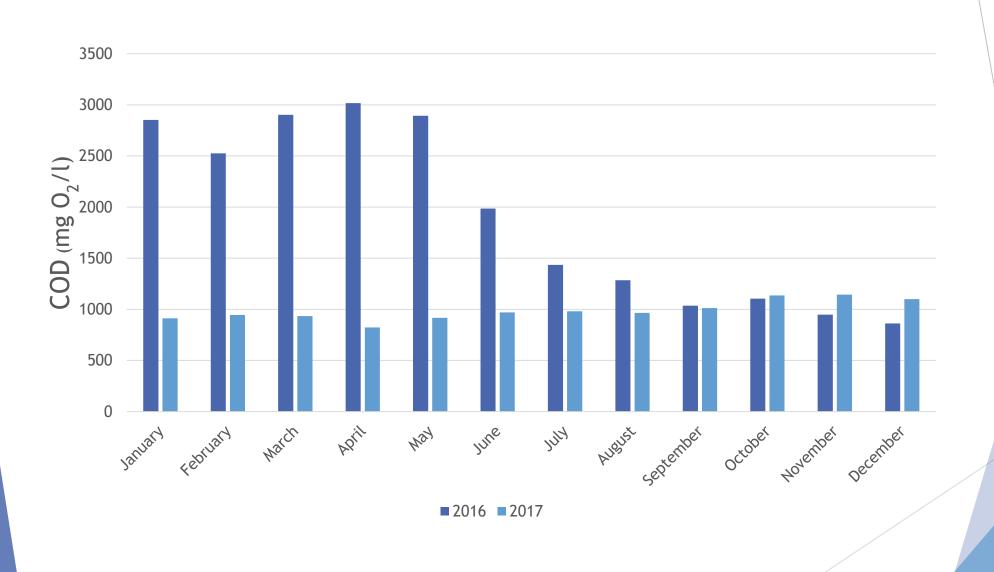
Before change of regulation

- All wastewater were redirected to Smiltenes waste water treatment
- As the company expanded, the capacity of treatment plants became insufficient
- Fines if exceeded the norms of regulation was on both measures BOP and COD
- AS Smiltenes piens were one of initiators of changes in regulation

Reducing pollution

- Collection of samples at production sites to identify the major source of contamination
- Collection of first flushing waters, with the highest COD to reduce average COD level in waste waters
- Regular everyday measures of COD to control level of pollution
- All these actions leaded to average COD measure around/under 1000 mg O₂/l without pre-treatment

Average COD level before wastewater pre-treatment

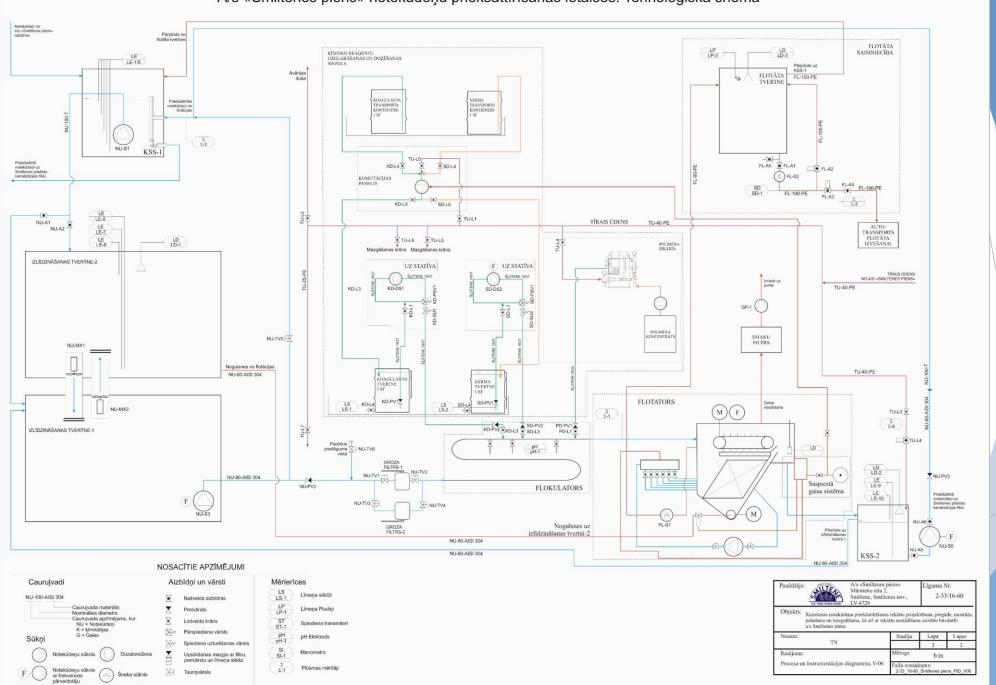


1. Waste water pre-treatment system with flocculation from

February 2018

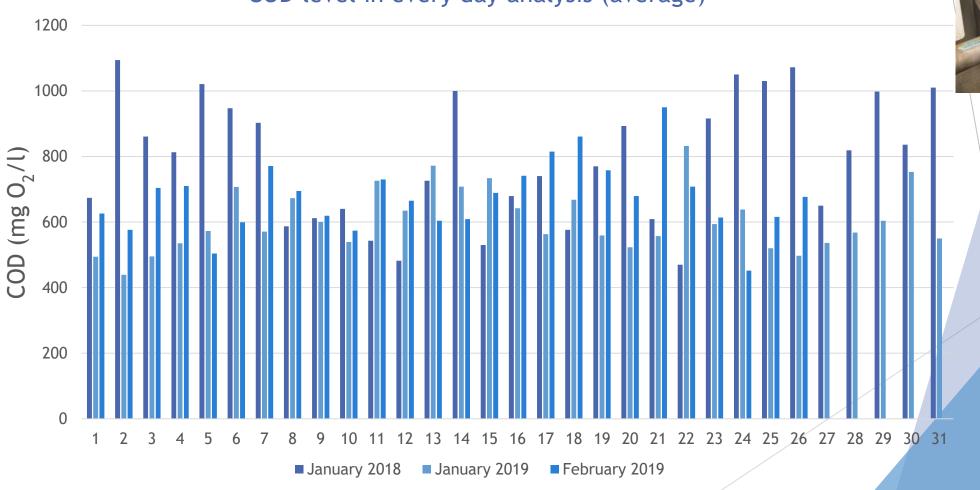


A/s «Smiltenes piens» notekūdeņu priekšattīrīšanas ietaises. Tehnoloģiskā shēma



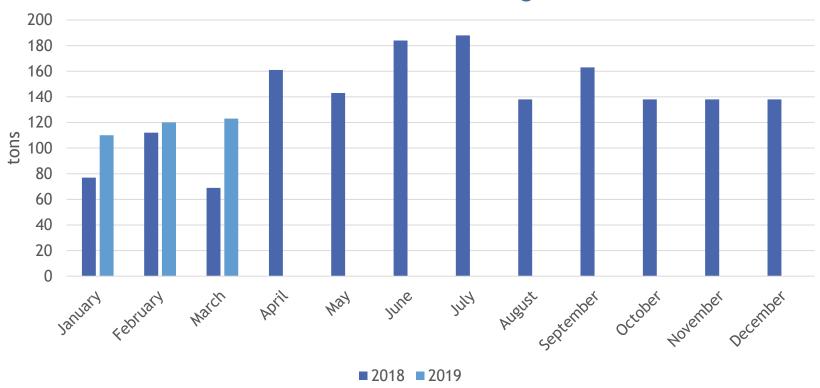
2. Sample collecting - automatically every hour to collect average day sample for measuring COD level

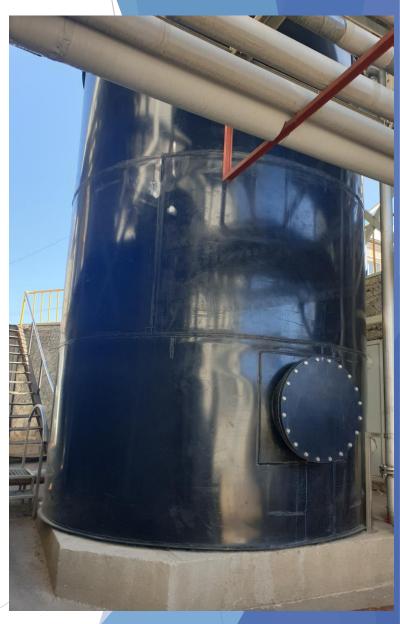
COD level in every day analysis (average)



3. Flotate sludge - to producers of biogas







4. Wastewater composition after treatment

Parameter	Result
COD	405 mg O ₂ /l
BOP (BOP5)	241 mg O ₂ /l
Total phosphorus	0,49 mg/L
Total nitrogen	6,72 mg/L
рН	7,2

Internal monitoring of industrial waste water quality

- Regular monitoring of the treatment plant
- Internal monitoring for control of COD level in waste waters 2 times a day
- Allows us response faster if the results of analysis are out of allowed levels. For example, report to city waste water treatment for possible waste waters with increased level of COD

