Pilot test pigfarm

Date:

Performed by: Denny Wallberg

Methode:

Test with dewatering unit SBT with dosing of polymer and a combination with PAC.

Results:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sample | SS mg/l | red % | COD mg/l | Red % | BOD5 mg/l | Red % | TKN mg/l | Red % |
| Inlet | 10380 |  | 19169 |  | 7516 |  | 1830 |  |
| Polymer + SBT | 132 | 98,7 | 3372 | 82,4 | 2009 | 73,2 | 881 | 51,8 |
| PAC+Poly + SBT | 187 | 98,2 | 3006 | 84,3 | 1888 | 74 | 964 | 47 |

Conclusion:

The best overall result is with only polymer to assist the dewatering.

Extra:

To reach higher reduction of BOD and TKN we recommend an aerated tank. To specify the size its recommended to do studies with the filtrate archived from a filtrated sample. And measure the different parameters

After 30 min 1 hour 2 hours. To determine size of tank and blower.