

METHOD AND SYSTEM FOR SEEDING WITH MATURE FLOC TO ACCELERATE AGGREGATION IN A WATER TREATMENT PROCESS

ABSTRACT OF THE DISCLOSURE

A system and method that uses mature floc as seed particles to promote aggregation in a water treatment process is provided. The seed particles do not need to be recovered as they separate out with the waste stream after a spiral separation. One implementation is to prepare the mature floc off-line and inject periodically into the buffer tank, as needed. Another implementation is to tap into the more mature floc downstream and feedback, as needed, to the buffer tank.

Figure : 4