

ABSTRACT

APPARATUS AND METHOD FOR WASTEWATER TREATMENT

An apparatus for wastewater treatment comprising an equalization tank
5 arranged to receive wastewater for treatment and operable to function as an
anaerobic hydrolysis reactor; a first clarifier coupled with the equalization tank,
the first clarifier operable to separate wastewater from anaerobic hydrolysis
microorganisms within the equalization tank; an aerobic bioreactor coupled
with the first clarifier to receive wastewater from the first clarifier; the aerobic
10 bioreactor operable to further process the wastewater from the first clarifier; and
a second clarifier operable to receive wastewater effluent from aerobic
bioreactor and separate wastewater from aerobic biosludge; wherein a portion
of aerobic biosludge separated by the second clarifier is recycled to the
equalization tank.

15 **FIG. 2**