

WASTE CONCRETE AND AGGREGATE RECLAIMER

ABSTRACT

5

A reclaimer, for the separation of heavier solids from slurry water, including an inlet means to allow loading of a flow of the solid laden slurry water, a reclaiming tank to contain the input from the inlet means, a plurality of lamella plates to increase the effective separation surface area to improve the separation process, said lamella plates provided at an angle, an agitation mechanism, for loosening up the slurry water from the heavier solids, an outlet means, to allow the separated slurry water to exit the tank, wherein the agitation mechanism is a conveyor, with a plurality of protrusions or abutments.

10

15

A clarifying tank for separating of suspended fines from slurry water including a solid outlet means, a liquid outlet means, a plurality of lamella plates, said lamella plates provided in a first set and a second set, an inlet means, and an agitation mechanism, wherein said agitation mechanism is a pressure inducing means.

20

A reclaiming system, for the separation of heavier solids and fines from slurry water, including a reclaimer and a clarifying tank.

FIGURE 4

25

30