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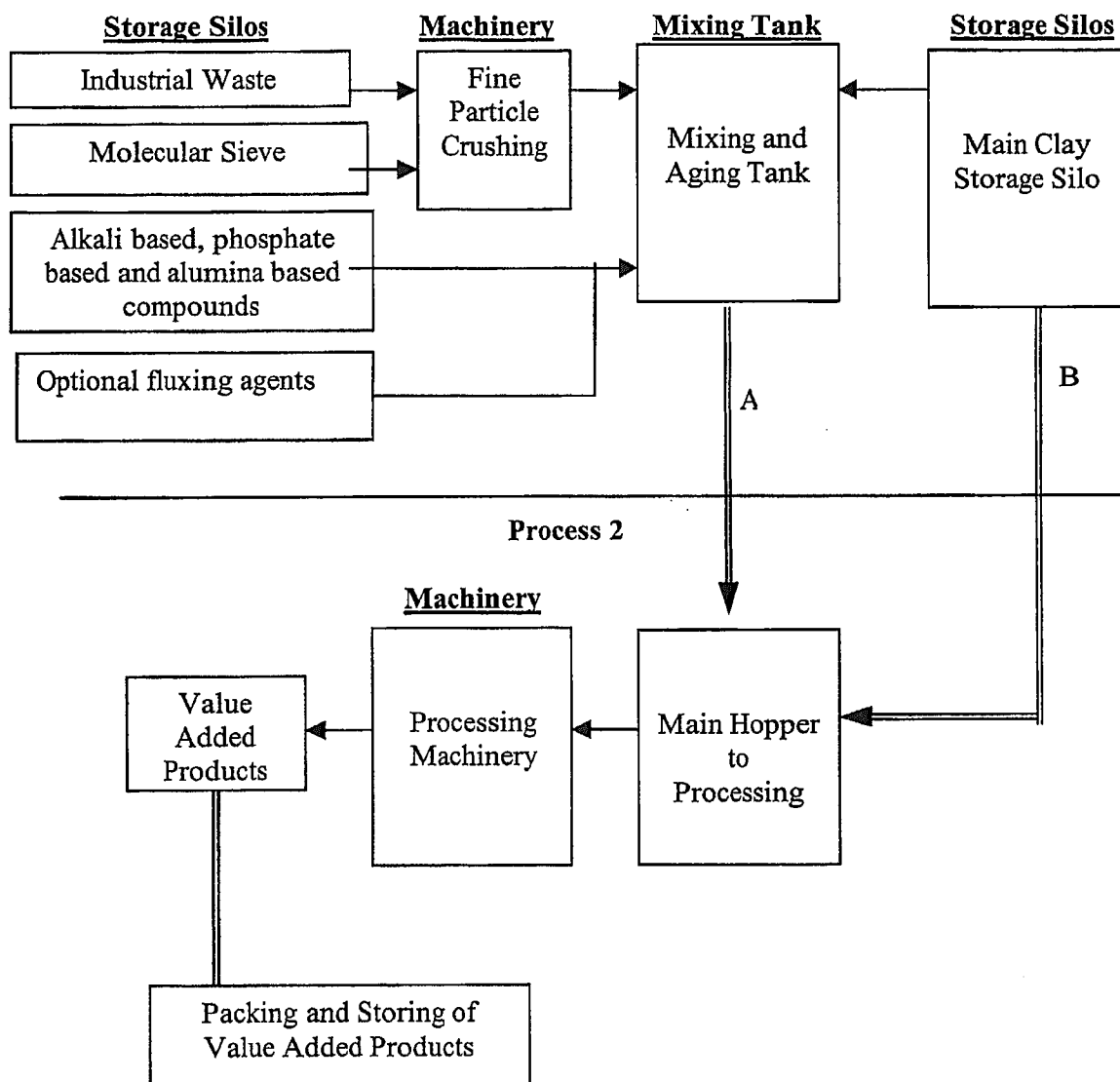
Figure 1**Process 1**

Figure 2**1) Pre-stabilization Stage 1: Ion exchange and precipitation**

Molecular Sieve	Waste containing heavy metals	Phosphate based compounds (Na_3PO_4)	Alkali Based compounds (Na_2SiO_3)	Alumina based compounds ($\text{Al}(\text{OH})_3$ / Al_2O_3)	Optional fluxing agents
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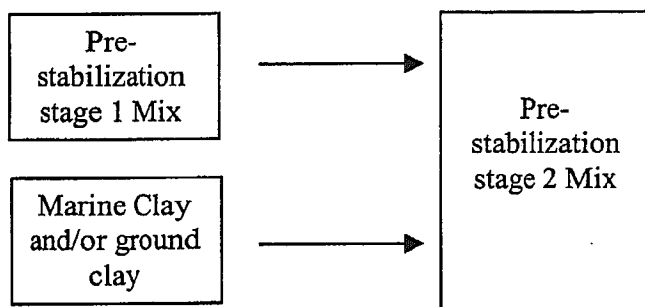
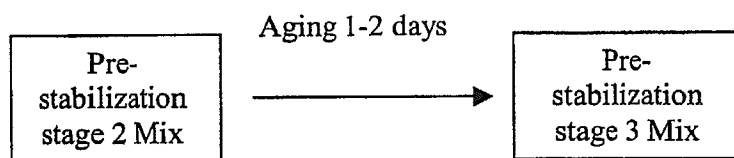
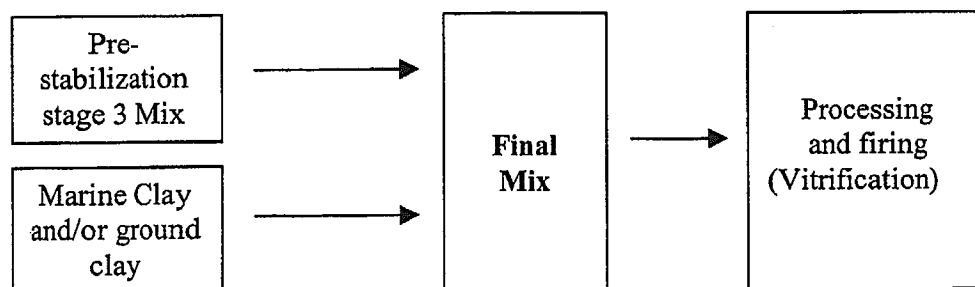
2) Pre-stabilization Stage 2: Introduction of clay to Pre-stabilization stage 1 Mix**3) Pre-stabilization Stage 3: Main aging (or pre-crystallization)****4) Preparation of Value-added Product**

Figure 3

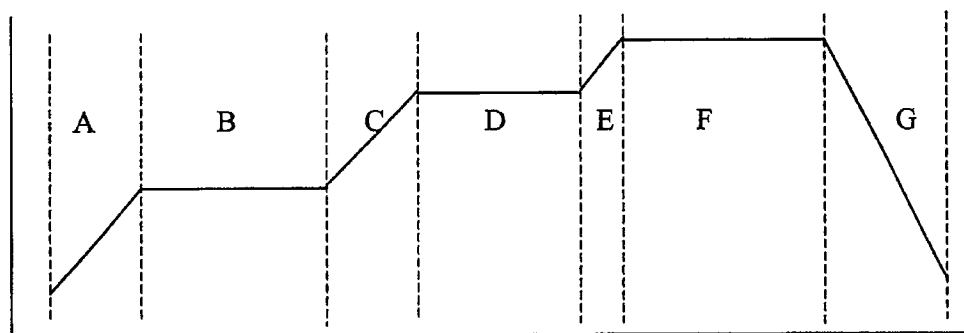


Figure 4