

Flocculation dewatering of Florida phosphatic clay wastes

Dept. of the Interior, Bureau of Mines - Dewatering of Phosphatic Clay Waste by Flocculation, Chemical Engineering & Technology (Cet)

Description: -

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Water resources development -- South Dakota -- Spink County
Water resources development -- South Dakota -- Brown County
Reservoirs -- Yellowstone River watershed -- Statistics
Water resources development -- Yellowstone River watershed -- Statistics
European Economic Community -- Lebanon.
Hydraulic mining
Water -- Pollution -- Alaska Peninsula
Oil pollution of water -- Alaska Peninsula
Seepage -- Alaska Peninsula
Scrap metals
Slag
Ore-dressing
Copper
Flocculation
Phosphate mines and mining -- Waste disposal -- Florida
Flocculation
dewatering of Florida phosphatic clay wastes

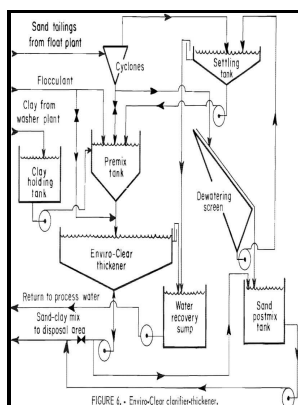


FIGURE 4. - Enviro-Clear clarifier-thickener.

Cmnd -- 4410

Report of investigations (United States. Bureau of Mines) -- 8047

Report of investigations - Bureau of Mines ; 8047

Report of investigations - Bureau of Mines ; 8279

Report of investigations - Bureau of Mines ; 8349Flocculation

dewatering of Florida phosphatic clay wastes

Notes: Bibliography: p. 26

This edition was published in 1979

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which flocculated the phosphatic clay waste.

Several groups of reagents were tested: 1 those that increased the zeta potential of the phosphatic clay wastes; 2 those capable of hydrogen bonding; and 3 those

[PDF] DESIGN OF ELECTROLYTIC DEWATERING SYSTEMS FOR PHOSPHATIC CLAY SUSPENSIONS

Abstract As a part of research conducted to effect pollution a dewatering technique that allows for disposal of clay wastes, for reuse of water now lost with clays, and for reclamation of mined land was developed.

Dewatering of Fine Particle Mining Wastes Using Polyethylene Oxide Flocculant

The flocculated sludge is then removed at 30 and is sent through a dewatering screen 40 where the flocculated clay is recovered and sent to reclamation at 42. By using this method, such mineral-containing sludges can be quickly dewatered into a cake comprising 25-35% solids which can then be further processed to a 60% solids-containing material. By employing this reportedly synergistic combination of flocculating agents in conjunction with a sand slurry, Laros reportedly is able to consolidate a sludge containing 3 to 5% solids by weight into a filter cake having an excess of 40% solids.

US5262064A

Stanley Publisher: ISBN: UOM:39015078489450 Category: Clay wastes Page: 10 View: 635 Results of dewatering phosphatic clay wastes with various grades of polyethylene oxide. Author: Publisher: ISBN: UCSD:31822022940787 Category: Gas industry Page: View: 601 N. Thus, a belt

press may be used if needed.

Dewatering of Phosphatic Clay Waste by Flocculation, Chemical Engineering & Technology (Cet)

Chemical phosphorus removal is dealt with in detail, Rapid mixing for efficient coagulant utilization, and flocculation are dealt with in specific chapters. The diluted polymer solution is then fed into a mixer 34 where it is mixed to a homogenous form and discharged as a low concentration, i. The Bureau of Mines is investigating a dewatering technique for coal-clay waste that uses a flocculant, polyethylene oxide PEO.

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