

# THAILAND'S LIGNITE ASH AS A RAW MATERIAL FOR MANUFACTURING ALUMINA AND BYPRODUCTS BY ALKALINE HYDROTHERMAL METHOD

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## Abstract

Lignite is an imperfectly formed coal which fields are widespread in many continents and countries including Thailand. It is very likely that Alkali-Lime Hydrothermal Process (ALHTP) is the only way for recovering from ash valuable products like alumina and some of her chemicals in the future. The performed technical and economical evaluations derived from the bench-scale and pilot-plant tests data substantiate the ALHTP advantage over the sintering method being now in service with reference to aluminosilicates. Due to the ALHTP merits and flexibility, its products inventory can be modified with allowance for market conditions.

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