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(57) Abstract :

ABSTRACT: Title: Dual Geosynthetic Clay Liner System for Phosphogypsum Pond Baseline The present disclosure proposes a dual geosynthetic clay liner system for phosphogypsum pond baselining. The dual geosynthetic clay liner system provides effective permeability when exposed to neutralized phosphogypsum over time. The cost-effective dual geosynthetic clay liner system aids the phosphate-based fertilizer industry in establishing baselining systems. The dual geosynthetic clay liner system requires less skilled labour for installation. The dual geosynthetic clay liner system with the at least two geosynthetic clay liners (GCLs) that occupies less space compared to CCL. The dual geosynthetic clay liner system has a self-healing capacity when damaged during handling and installation. The dual geosynthetic clay liner system has significantly lower hydraulic conductivity.

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