



Portable SX Plant 7

SX Kinetics designed and manufactured this modular solvent extraction pilot plant for a copper dump leaching project in Balkhash, Kazakhstan.



Project: sxk-76
Client: Sary Kazna LLP
Location: Balkhash, Kazakhstan
Stages: 4
Capacity: 100 L/min
Recycle: Option for organic or aqueous

Items Provided:

- Modular frames with elevated operator platforms to house the pilot plant
- Mixer-settlers with coalescing baffle, and adjustable aqueous weir
- High efficiency SX impellers coupled to in-line speed reducers and TEFC motors
- Coalescers with multiple layers of coalescer media for removal of entrainment.
- Organic surge tank with aqueous coalescer baffle and LED aqueous indicator
- Exhaust header connected to each vessel for removal of organic vapours
- Feed and transfer tanks with magnetic drive pumps
- SX feed and strip liquor filters with a supply of filter media
- Crud treatment system with air compressor, crud pumps, filter, and crud tanks.
- Process control to include temperature controllers, level and flow indication
- Prefabricated steel building with vinyl coated R-20 insulation
- Completely assembled inside modular frames and tested prior to shipment

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