

This electrowinning pilot plant was designed and manufactured by SX Kinetics for a copper heap leaching / solvent extraction / electrowinning project in Southern Peru.



Project: sxk-72

Client: Rio Tinto & SNC Lavalin

Location: Northern Peru

Capacity: 80 kg copper per day

Cathodes: 16

Anodes: 18

Rectifier: 0 to 1500 A and 0 to 6 V

A steel building was also provided for the EW plant.

Items Provided:

- Two EW cells manufactured from polypropylene with acid mist system.
- 0 to 1500 A and 0 to 6 VDC rectifier with constant load adjustment.
- Electrolyte tanks manufactured from polypropylene with immersion heater.
- Electrolyte feed and circulation pumps with flow meters
- 16 cathodes (316 SS) with edge strip and 18 anodes (Pb-Sn-Ca alloy).
- Manual hoist for lifting and transporting cathodes
- Cathode rinsing station with rinse tank and hanging rack (manual stripping).
- Schedule 80 PVC true union ball valves, globe valves, and fittings.
- Completely assembled and tested prior to shipment

SX Kinetics, Inc.

39 A Hamilton Ave.
Cobourg, Ontario, Canada, K9A 1V7

Web Site: <http://www.sxkinetics.com>

Further Information Contact:

Mr. Steven Webster
Hydrometallurgist

Tel +1 905 372 5981

Email: steven.webster@sxkinetics.com