



## SX Pilot Plant 1

SX Kinetics, Inc. designed and manufactured this solvent extraction plant for the demonstration of a new process to produce high purity zirconium.



**Project:** sxk-19  
**Client:** MRSI / CMS  
**Location:** Canon City, CO, USA  
**Stages:** 6  
**Capacity:** 26 L/min (org + aq)  
**Recycle:** optional organic or aqueous

### Items Provided:

- Mixer-settlers with covers, coalescing baffle, and adjustable aqueous weir
- SX impellers coupled to helical in-line speed reducers and TEFC motors
- Feed tanks with calibration tubes and variable speed metering pumps
- SX feed polishing filter unit with a supply of filter media
- Transfer tanks with level switches to activate magnetic drive pumps
- Exhaust header connected to each vessel for removal of organic vapours
- Containment dip tray located under the pilot plant
- Completely assembled and tested prior to shipment
- On site installation, commissioning, and 14 months of operation

### SX Kinetics, Inc.

504 - 249 Ruttan Terrace,  
Cobourg, Ontario, Canada, K9A 5X6

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

### Further Information Contact:

Mr. Steven Webster, Hydrometallurgist

Tel +1 905 372 5981 Fax +1 905 372 4091  
Email: [steven.webster@sxkinetics.com](mailto:steven.webster@sxkinetics.com)