



## Full Scale SX Plant 1

SX Kinetics, Inc. designed, manufactured, and installed this commercial scale solvent extraction plant for the recovery of uranium from tantalum residues.



**Project:** sxk-08  
**Client:** Fansteel Corporation  
**Location:** Muskogee, OK, USA  
**Stages:** 7  
**Capacity:** 200 L/min (org + aq)  
**Recycle:** optional organic or aqueous

### Items Provided:

- Mezzanine support frame with FRP grating and FRP handrails
- Mixer-settlers with covers, coalescing baffle, and adjustable aqueous weir
- SX impellers coupled to in-line speed reducers and TEFC motors
- 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 centrifugal magnetic drive pumps
- SX feed polishing filters with a supply of filter media
- Crud treatment circuit to include treatment tank, pre-coat tank, and filter press
- Process control components to include level and flow transmitters with VFD's
- Completely assembled at client's site

### 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](mailto:steven.webster@sxkinetics.com)