



## Portable SX Plant 1

SX Kinetics designed, manufactured, and assembled this pilot plant inside a 40' sea container. The mobile plant was operated at various electro-plating shops to demonstrate the recovery of chromium from spent plating bath solutions.



**Project:** sxk-21  
**Client:** Versatile Industries / Battelle  
**Location:** Ohio, USA  
**Stages:** 5  
**Capacity:** 32 L/min (org + Aq)  
**Recycle:** optional organic or aqueous

### Items Provided:

- A 40 foot shipping container with containment liner, lights, and ventilation fan
- Mixer-settlers encased in FRP with coalescing baffle and adjustable aqueous weir
- Exhaust header connected to each mixer-settler for removal of organic vapours
- SX impellers coupled to helical in-line speed reducers and TEFC motors
- Feed and transfer tanks with centrifugal magnetic drive pumps
- Process control components to include pH controllers and flow transmitters
- Process monitor system with telephone dialing in the event of process failure
- Electrical components to include emergency stop contactor
- Completely assembled inside a shipping container and tested prior to shipment
- Process hazard review, on-site installation instructions and operating manual

### 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)