

Lime Slurry Systems - Case Study

As part of a critical pilot scale project, Hayward Gordon was asked to supply a hydrated lime wetting system to a customer in Canada. Lime is a granular powder that requires dissolving in water before it can be used as a treatment chemical. A lime slurry system completes this process.

The challenge was to build the entire system on a single skid including tanks complete with an extended bag unloading system. Fortunately Hayward Gordon's new Brigden Gate facility has the space and lifting capability to manage this type of construction project. The system was completely assembled and tested in house to ensure a smooth and reliable startup on site.

Highlights of the lime makedown system include:

- Hayward Gordon rubber lined HRF mixer
- Rubber lined steel tank & piping
- Flexible screw conveyor
- Stainless steel panel complete with PLC and operator Interface
- Custom Stainless Steel hopper
- Extended bulk bag stand with electric hoist (not shown)
- Watson Marlow peristaltic hose pump (inset image)
- Magnetic flow meter
- Pulsation dampener
- Ultrasonic tank level detection
- Capacitance style level transmitter for lime

Hayward Gordon can save you time and money by providing single-source design, manufacture and start-up for custom engineered systems. Based on your process and application specifications, we will produce P&ID's, design the system and source all components. You will receive a skidded, tested and fully functional system that is custom designed to your specific application requirements complete with pumps, piping, controls, and instrumentation



Montreal

Tel: (514) 697-6445
Fax: (514) 697-1164

Toronto (Head Office)

Tel: (905)693-8595
Fax (905)693-1452

Calgary

Tel: (403) 253 2737
Fax (403) 253-1353

Vancouver

Tel: (604) 986-8764
Fax (604)986-8794