

Application Field: Concrete Repair

Market Field: Water Industry

## Glenfield Sewage Treatment Plant Upgrade



**Requirement:** In Glenfield STP, various concrete and electromechanical upgrades were required to ensure leaks were sealed and coated.

**Solution:** Digester tank pipe openings were grouted with SikaGrout GP followed by a trowel application of Sikadur-31. Leaks through tanks were treated with Sika Plug followed by a trowel application of Sikadur-31 rapid. SikaSwell S2 and SikaSwell P were used in new concrete structures.

The upper section of the main digester tank was repaired using Sika repair and coating systems followed by a spray application of Sikagard-62.

### Product Used:

SikaGrout GP: general purpose shrinkage compensated cementitious grout.

SikaGrout 212HP: shrinkage compensated high strength cementitious Class A grout.

SikaSwell S2: extrudible swelling water stops for construction joints.

SikaSwell Profile: swellable water stops.

Sikaflex-11FC: one component polyurethane sealant/adhesive.

Sikadur-31: thixotropic epoxy resin adhesive mortar.

Sikagard-62: solvent free epoxy coating

Sika Plug: cementitious waterplug.

### Project Details

<b>Date:</b> April 2004	<b>Location:</b> Glenfield, NSW
<b>Specifier:</b> Sydney Water	<b>Contractor:</b> Walter Constructions
<b>Sika Representative:</b> Sam Toglawa	<b>Reference:</b>

