



### **Using wastewater to create renewable energy**

Facilitator **Sydney Water**

Where **North Head Wastewater Treatment Plant**

When **09:00–13:00, Friday 9 March**

Cost **\$55** includes coach transport and lunch

Safety requirements **Wear fully enclosed shoes**

Are you interested in large-scale, renewable energy? This year the North Head Wastewater Treatment Plant will generate an electricity amount equivalent to taking 5500 cars off the road. It's Sydney Water's single largest producer of renewable energy (using cogeneration and hydro-electricity). The hydro-electric generator is the first of its kind in Australia—it generates power from treated wastewater—and cogeneration at North Head started in 2008.

### **Cleaning up the past at Botany**

Facilitator **Orica Australia Pty Ltd**

Where **Botany Industrial Park**

When **09:00–12:00, Friday 9 March**

Cost **\$55** includes coach transport and refreshments

Safety requirements **Please wear long trousers, long sleeves and fully enclosed shoes**

Orica's Groundwater Treatment Plant treats contaminated groundwater to make sure human health and the environment is not affected. You also get to see how contaminated soil is remediated using a directly-heated thermal desorption plant. Orica and Thiess Services staff will tell you about the treatment processes, the challenges encountered and the solutions developed for these projects, to clean up the legacies of past manufacturing activities.

### **Glass on the road—using recycled crushed glass in roads**

Facilitator **Waverley Council**

Where **Blair & O'Brien Streets, Bondi**

When **09:00–12:00, Friday 9 March**

Cost **\$55** includes coach transport and refreshments

Waverley Council has just finished paving 100 metres of road using recycled crushed glass in the road construction surface. The glass is used instead of virgin quarried sand, which reduces sand mining, gets rid of glass waste, saves landfill space, and provides a market for glass collection. On the tour, see the roads, meet project partners, hear about what went right and wrong, touch and feel the recycled glass product, and hear about other case studies.