

## Western Corridor, Luggage Point AWT Water Reuse

**Year:** 2008

**Start-Up Date:** 12/2009

**Client/Owner:** Queensland Government  
(NANDAH Alliance)

**Engineer:** CH2MHill

**Location:** Brisbane, Australia



**Application:** Treatment of secondary wastewater for indirect potable reuse. Ion and nutrient removal.

**Scope of Work:** Design, manufacture, supply and supervise installation of four 5 MGD (3 duty + 1 stand by) BWRO trains and a CIP system.

**Operation Data:** Feed water TDS: 500-4,000, Permeate TDS: 50, Permeate flow: 13,000 GPM, Recovery: 85%, 1,470 Membranes, Other: 120/60/30 Array - 3 stage with ERT, 4 trains, Toray membranes, secondary effluent

**Capacity:** 18.5 MGD Total BWRO

**Project Summary:** A design-build project of 4 trains, double stacked per train configuration and worked in tandem with the microfiltration system provided. RO frames were fabricated by Doosan in Korea and shipped directly to the site. Instrumentation and controls came from the United States Tampa office and were assembled and built on-site.

