

## CASE STUDY

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### Transpacific Industries Centralized Data Management System (DataStream)

#### Quick Facts

**Client:** Transpacific Industries (TPI)

**Date:** 2014 – ongoing

**Location:** 11 landfills across Victoria

**Ref:** HT 14 - 5279

**Products:** DataStream, iPads

**Services:** DataStream, Telemetry, Alarms, Real-time monitoring, Compliance data, Field iPads

#### Assignment

- Compile all Environmental monitoring data into one centralized location. This collection of data is taken from 11 landfills across Victoria with over 750 monitoring locations
- Display all Groundwater, Leachate, Perimeter gas, Structure, Service pit and wind data in a easily accessible webpage
- Create alarms for certain parameters to notify staff of potential environmental exceedances
- Display bore locations (nodes) in a simple and functional way to easily access data from a network of over 750 environmental monitoring locations
- Creation of iPad field templates for field/environmental staff to collect data for automatic upload into DataStream
- Creation of automated environmental reports

#### HydroTerra Solution

- Due to the size of the monitoring network and the volume of data being imported TPI received their own personal server along with their own DataStream license
- DataStream is used to collect and display of TPI's environmental monitoring data in one location
- Communication with third parties to created automated data imports/exports into the TPI server via FTP or dropbox system
- Customizing the webpage views to accurately and conveniently display data
- Creating customized iPad filed forms for specific jobs. E.g. Groundwater sampling, Gas sampling, site inspections checklist and leachate level measurement
- Constant communication with client to ensure the data is being utilized correctly
- Setup of alarms to be sent to work mobile numbers and or email accounts at correct times

