

# Multiple Gold Mines in Australia and New Zealand use MonitorPro for Environmental Data Monitoring



## MonitorPro

A professional environmental and sustainability information management solution, particularly suited for industries related to natural resources. MonitorPro is globally tested and used in water and waste water industries, as well as waste management, metals and mining.

Newmont Mining Corporation, based in Greenwood Village, Colorado, USA, is one of the world's largest producers of gold, with active mines in Nevada, Indonesia, Australia, New Zealand, Ghana and Peru.

### Overview

Following the successful implementation and use of our systems at the part Newmont-owned Kalgoorlie consolidated Gold Mines' (KCGM) Superpit operation in 2006, Newmont elected to roll out the MonitorPro system to its Asia Pacific region the following year. This consists today of four mine sites at Superpit (KCGM), the Jundee Operation, The Boddington Operation—all in Western Australia, and the Waihi Operation in New Zealand.

## System

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Operation—all in Western Australia, and the Waihi Operation in New Zealand. The system has twenty users in all with the Australian databases being centrally managed in Perth. MonitorPro is managing multiple data types for each location which includes groundwater, dust, weather, noise, surface water, energy and a host of particular variables. During the operational phase at Jundee for example the company needs to collect the following data quarterly, all of which is managed in MonitorPro:

### Groundwater

SWL, EC, pH, TDS, As, Ni, Cu, Se, Zn, Hg, Pb, Cd, WAD CN

### Surface Water

SWL, EC, pH, TDS, As, Ni, Cu, Se, Zn, Hg, Pb, Cd, WAD CN, TPH, BTEX, Total P, Total N, Fe, Na, K, Ca, Mg, Cl, CO<sub>3</sub>, HCO<sub>3</sub>, NO<sub>3</sub>, F, Mn, SiO<sub>2</sub>

### Land

TPH, BTEX an Pb – Contamination of soil at the Bioremediation Farm

### Air

Gravimetric Dust

### Levels of Hydrocarbons in Washbays

TPH, BTEX

## Implementation

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Newmont's Boddington site is using MonitorPro's capabilities to manage high resolution data to the full. Their 5 second blasting and vibration data, 15 minute weather and 10 minute air quality data are all managed through the same MonitorPro interface, with custom regulatory and compliance reports being automatically generated.

Specifically, a database for blasting data has been created which has included setting up a monthly report, compliance targets and creating a mechanism to import handheld data and that from noise monitoring stations. A number of other specific databases have also been set up for Boddington which includes an air-quality database which included weather data and the set-up of particular reports, an environment database and a separate weather database in addition.