

Our Services

Services to the Quarry and Mining Industries



Good environmental practice together with regulatory requirements are increasingly forcing quarries and mines to review and change their operations with respect to the management of their rock waste, surface water and groundwater. PDP are able to offer assistance in finding unique and innovative solutions to

Quarry and mining related services that we provide include:

- › Construction management
- › Design of river/stream diversions
- › Assessment of environmental effects
- › Assessment of waste disposal options and site selection
- › Water dam design for clean and dirty water containment
- › Hydrogeological and hydrological assessment
- › Design of stormwater systems
- › Water supply system design
- › Design of sediment and erosion control systems
- › Rehabilitation of tailings dams and quarries
- › Design of monitoring systems

Typical PDP projects:

- › Groundwater and surface water study for proposed open cast mining pits and waste rock dumps.
- › Preparation of conceptual model of river basin hydrogeology and investigation of migration of turbidity from gold mining pits to river.
- › Development of a water management plan setting out erosion and sediment control measures for a proposed quarry.
- › Groundwater studies for feasibility investigations for the use of a 80ha quarry as a municipal refuse landfill.
- › Design and installation of groundwater quality monitoring wells for tailings pond and review of pumping information for potable groundwater supply.
- › Assessment of impacts to groundwater system from dredged mining and slurry tailings disposal from proposed sulphur mine in geothermal environment.
- › Design of water treatment facilities and sediment control requirements for rock waste dumps and tunnel dewatering flow.

Contact us for more information on our quarry and mining services or to discuss how we can help you with your project.

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