

Mining

Lixiviation Valley Alto Chicama Project

Project

Client
Minera Barrick
Misquichilca S.A.

Location
La Libertad Department
Peru

Period
05/2004 – 04/2005

Participation
Skanska LA: 100 %



Alto Chicama is located at the Northwest of Peru, in the District of Quiruvilca, Province of Santiago de Chuco, La Libertad Department, at about 135 km East from the city of Trujillo and 557 km North from the city of Lima.

The project was developed at the Peruvian Andes, at approximately 4,200 meters above sea level. The Client, Barrick Gold, is developing an open-pit mine for the gold production from the portion of oxides of a mineral deposit, referred to as Alto Chicama Project.

In the region, Skanska is performing the ground movement, the installation of geosynthetics and drainages for the construction of the Lixiviation Valley facilities (HLF).

Scope of the works:

- Construction of the heap leach pad (PAD) and the rich solution basin (PLS)
- Emergency basin
- Subdrainage collector basin
- Fresh water reservoir
- Unsuitable material storage
- Channels and access roads to the Gold Plant

The project represented a major challenge, both for its tight implementation schedule, as well as the fact that it was the first work of this type that Skanska was performing. At the same time, this would open new business opportunities for the Company, enhancing Skanska's vision of being the customer's first choice.



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Counting on 240 construction equipment and 1,000 people, once again Skanska have proved that it is prepared for this type of challenges, by outperforming with great commitment with quality, security and environment protection. This was reflected in the customer's recognition for achieving 2.000.000 worked hours man without time-loss accidents. In fact, no time-loss accidents were registered through the whole project.

Size of the works:

Cut rock fill:	661.123 m ³
Cut soil to fill:	598.511 m ³
Over Liner:	216.419 m ³
Rock fill:	429.068 m ³
Geomembrane:	562.191 m ²
Soil Liner:	122.771 m ³
Structural fill:	1.098.601 m ³
Unsuitable / Top soil:	1.408.365 m ³ . □



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