



Barrick Gold Lagunas Norte Mine

the challenge

Barrick Gold, Canada's leading gold mining company, has opened the mine at the Lagunas Norte project site in the Alto Chicama region of Peru through its subsidiary Minera Barrick Misquichilca S.A.



Lagunas Norte is situated at 4,000 m above sea level in the Andes mountains and is home to approximately 1600 people. In addition to the large amounts of domestic waste being produced on site, special wastes such as, by-products generated from equipment servicing, oily rags, filters and various liquids are also produced. The site logistics for moving supplies and people in and out of the camp are complex. Accordingly, it is not feasible to move the waste off-site for treatment. □

our solution

The ECO Model was selected by Barrick because of its ability to process all of the identified target waste streams as well as its ability to meet strict environmental standards.



To simplify the waste tracking, operations and air emission monitoring requirements, it was concluded that a combination system that could process both solid and liquid waste would be ideal. The ECO Model with an integrated liquid waste combustion system was selected. The unit has the capability to process all of the target waste streams. Its robust design is well suited to the mining environment. □



the results

Environmental Protection

The machine processes a wide variety of solid waste streams that would otherwise be a legacy long after the mine closes. In addition, liquids such as glycol and used lubricating oils will be eliminated. □

Cost Avoidance

The majority of liquid waste to be burned will actually reduce the clean fuel requirements for processing the solid waste. This is a significant advantage in a remote setting where fuel costs are much higher. □

project information

Location: Alto Chicama (Near Trujillo) Peru
 Model: ECO 2TN-25LPH
 Capacity: 2 tonnes & 250 litres per day
 Waste Type: Camp Waste and Liquid Waste
 Installation: 2004