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U.S. TRADE AND DEVELOPMENT AGENCY



EXECUTIVE SUMMARY

**Upgrading Concentrate Loading System and Rationalization of Berths 3 & 5  
January 2001**

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**Region: Latin America**  
**Country: Chile**  
**Sector: Transportation**

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## 2.0 EXECUTIVE SUMMARY

At present the marine terminal at the Port of Ventanas consists of a finger pier with ship berths that handle several commodities including primarily:

- Ore concentrates (mainly copper concentrates) currently being loaded aboard vessels using a single stationary luffing loader, and liquid chemical products (sulfuric acid) at Berth No. 2.
- Coal, several types of grain, cement clinker, liquid chemicals and various general cargoes unloaded primarily at Berth No. 5 using two luffing, slewing cranes and at Berth No. 3 using ships' gear.

The primary objectives of this feasibility study are to improve the ship loading and unloading capability of the port to accommodate expected increases in both inbound and outbound cargoes and to reduce commodity losses and adverse environmental impact, mainly in the form of air and water pollution potential. In general these improvements will consist of:

1. Berth No. 2 Replacement of the existing ship loader with a more efficient loader and replacement (or upgrade) of the conveyor system with an enclosed, more efficient conveying system. along with new control and supervisory systems and environmental controls.
2. Berth No. 3: Installation of a new ship unloading system. along with connecting conveyor and control systems and environmental controls, and insure that there will be sufficient water depth at the berth.

The primary objective of this Public Version of the Final Report is to present to Puerto Ventanas S.A. and interested parties alternative schemes developed for handling required cargoes at Berths 2 and 3. along with a description of the alternative selected, so that Puerto Ventanas could use the scheme to be further developed to upgrade and rationalize Berths 3 and 5.