

EDC PROJECT REVIEW SUMMARY: Minera Antucoya Copper Mine Project

Project Description	Minera Antucoya Copper Mine Project
Sponsors	Minera Antucoya
Country	Chile
Project Category	A
Canadian Exporter	SNC Lavalin Inc.
Description of capital goods and/or services	Sale of various Canadian goods and services
EDC Product	Financing
Date of publication on EDC's website (dd/mm/yy)	06/09/13
Date of Signing (dd/mm/yy)	21/11/13

Project Categorization: The project is a single, 347 hectares, open-pit copper mining operation located in Northern Chile, about 180 kilometers northeast of the city of Antofagasta at an elevation of about 1700 meters. The project will use a heap leach process to extract copper and an electro winning plant that can process 80,000 tonnes of copper per year.

The project will proceed over seven phases. It is scheduled to start producing copper cathode in September 2014 and will operate for 21 years. Power will be obtained through a 220 kV overhead line tied into one of two existing trunk lines passing parallel to the east of the Project area, belonging to the Sistema Interconectado del Norte Grande (SING) grid. The project was classified as Category A. (Category definitions can be found [here](#), see D3. Environmental and Social Reporting.)

Summary of EDC's Review: EDC reviewed the project in accordance with our Environmental and Social Review Directive and the Equator Principles, and concluded that the project is designed to meet or exceed internationally recognized good practices, guidelines or standards. To reach this conclusion, EDC reviewed a project Environmental Impact Assessment, which was benchmarked against relevant international environmental and social standards, reviewed for appropriate mitigation measures against the project's potential environmental and social effects and assessed the project's stakeholder engagement activities.

Key environmental and social issues associated with the project, and related mitigation measures reviewed by EDC include, but are not limited to, the following:

Air quality: Atmospheric emissions from the project during construction and operations, including dust

Mitigation measures include: During construction and operations, the project will use dust suppression methods to minimize particulate emissions.



Water: Water availability is low given the extremely arid climate in Northern Chile.

Mitigation measures include: The project will source its water (280L/s) from an existing seawater pipeline. The exclusive use of seawater was considered in order to avoid putting pressure on the scarce water resources in the region. The project has a water balance that meets the IFC requirement.

Community Health and Safety: Increased traffic on public roads, some of which are bordered by communities

Mitigation measures include: Antucoya requires their contractors to implement a Safety and Risk Prevention Program, hold all necessary permits and have trained drivers in place. The project commissioned an Impact Assessment on the Transportation System and will implement a traffic management plan. As part of the traffic management plan Antucoya has committed to direct project related traffic on to the Mititus Route which will bypass a portion of the Highway 5 through Baquedano, thereby reducing impacts to the community. The project will also contribute to the construction of pedestrian footbridges in the urban area of Baquedano and be part of an emergency response network for traffic related incidents which could occur within their area of influence.

Documentation Reviewed:

- Environmental Impact Assessment (November 2010);
- Independent Technical & Environmental Review prepared for prospective lenders (October 2013).

Applicable International Finance Corporation (IFC) Environmental and Social Standards used by EDC (in addition to host country requirements):

- Performance Standard 1: Assessment and Management of Environmental and Social Risks and Impacts;
- Performance Standard 2: Labor and Working Conditions;
- Performance Standard 3: Resource Efficiency and Pollution Prevention;
- Performance Standard 4: Community Health, Safety and Security;
- Performance Standard 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources; and
- Performance Standard 8: Cultural Heritage.