## **History of Peñasquito Property**

In 1998 Western Silver acquired the entire Penasquito property from Kennecott. Glamis Gold Inc. acquired Western Silver on May 3, 2006. Goldcorp acquired Glamis in November 2006. (p. 25)

There is no previous mine development of any form in the immediate area of Chile Colorado or Peñasco deposits and as such no environmental liabilities are attached to the property. (p. 28)

Goldcorp owns 100% of the mineral rights to a large area covering approximately 39,000 hectares located in the north-eastern portion of the State of Zacatecas. The portion of this area referred to as the Peñasquito property lies approximately 27 km west of the town of Concepción del Oro in a wide, generally flat valley covered by coarse grasses and cacti. (p. 12)

Road access to the site is presently gained west out of Concepción del Oro approximately 15 km to the town of Mazapil and then a further 12 km west from Mazapil. (p. 29)

# **Surface Rights**

Surface rights in the vicinity of the Chile Colorado and Peñasco pits are held by private individuals and three Ejidos. Signatures indicating agreement have been obtained for all three of the Ejidos and nearly all the private owners. Goldcorp currently is in negotiations to finalize surface rights to the land required for the project, assisted by a Mexican legal firm. (p.30)

## **Timeline of Current Project**

The operating timeline for the project is as follows:

- Receipt of permits and commencement of construction in March 2007
- Pre stripping begins August 2007
- Oxide plant startup in July 1, 2008. Metal production late in 2008.
- Permit mine and mill expansion in 2007 and 2008
- Sulphide SAG Line 1 start up January 1, 2009, with a ramp-up of production to 65,000 TPD by August 2009
- Sulphide SAG Line 2 starts up January 1, 2010, with a ramp-up of production to 65,000 TPD by August 2010 bringing total sulfide production to 130,000 TPD. (p. 10)

#### **Mineral Reserves and Resources**

The following mineral reserves have been identified Oxide 110,000,000 tonnes

Sulphide 807,000,000 tonnes Waste 2,552,000,000 tonnes Total 3,469,000,000 tonnes (p. 10)

The following mineral resources have been identified Measured & Indicated Resources 1,596,000,000 tonnes Inferred Resources 1,220,000,000 tonnes (p. 11)

#### Mineral Grades

Oxide Ore:

Gold 0.18 grams/tonne Silver 18.1 grams/tonne

Sulphide Ore:

Gold 0.48 grams/tonne Silver 30.8 grams/tonne Lead 0.33% Zinc 0.72% (p. 11)

# **Power Supply**

Power will be brought in from the 400kV power line National grid system via a tapped-in point in reasonable proximity to the site. From this location, power will be transmitted at 400kV from the 400kV/400kV switchyard tap-in via a new overhead power line to the mine site main 400kV/69kV substation. Process water will be initially obtained from wells to be developed on site and supplemented during later development from pit dewatering. (p.14)

### **Smelters**

The report notes that smelter terms and transportation prices are based on typical such prices, and not on specific negotiations with any particular smelter. It is expected that the lead will be processed in Mexico, and the Zinc concentrate shipped to Canada, Asia or Europe - transportation will be to respective Pacific and Atlantic ports. (p. 23)

## Water

The Penasquito project will apply for permits to pump up to 40 million m3 per year. Presently the required hydro-geological studies are being made that will prove to authorities (CNA), that the aquifers in the region have enough available water to provide this amount.

The first two phases of hydro-geological studies have concluded (ending in December 2006). A third phase is in progress for Cedros Basin and its estimated completion date is in December 2007. Based on the completed studies, a 4.6 million m3 concession was obtained on 26 August 2006. (p. 30)

# **Processing Capacity**

The Chile Colorado/Azul and Peñasco mine plan will provide sulphide ore to a mill flotation plant that will produce two concentrates for sale: a lead concentrate and a zinc concentrate. Both concentrates will have gold and silver credits. Likewise, the mine plan will provide oxide and mixed ores to a heap leaching facility that will produce a silver and gold doré. (p. 86)

Capacity of the Sulfide processing plant is 130,000 tonnes per day. (p. 14) The EIA has been approved for the processing of 50,000 tonnes per day. (p. 28) Commercial sulphide production is scheduled for 17 years, total mine life is 19 years. (p. 86, 107)

# **Tailings Dam**

The tailings dam will be lined with a synthetic liner. (p. 78)

### **Taxes**

Goldcorp will take advantage of PITEX (Programa de Importacion Temporal para Producir Articulos de Exportacion) is a federal program allowing a waiver of import duties on imported items that will exported at the end of the project. (p. 101)

The report estimates that total federal income tax paid over the life of the mine will be \$2.0 billion. (p. 102)

### **Capital Costs**

Capital Item / Price
Camp and Roads \$39 million
Mine Equipment \$274 million
Pre-Stripping \$111 million
Power Setup \$53 million
SAG Line #1 / SAG Line #2 / Infrastructure \$742 million
Tailing Dam and Reclaim \$53 million
Merrill-Crowe Plant and Pad \$48 million
Port \$28 million
Owner's Costs \$147 million
Initial Capital Total \$1,494 million
Sustaining Capital \$561 million (p. 102)

#### Life of Mine Costs

The following life-of-mine costs are anticipated where ore is defined as the combination of oxide and sulphide ore:

Mining Costs = \$3.74/tonne ore Sulphide Process Costs = 3.71/tonne ore Oxide Process Costs = 0.19/tonne ore G&A Costs = 0.35/tonne ore Lead Concentrate Shipping and Smelting = 1.06/tonne ore Zinc Concentrate Shipping and Smelting = 2.34/tonne ore Doré Shipping and Refining = 0.02/tonne ore Total \$11.41/tonne ore

### **Cash Flows**

After Tax Cash Flows (\$000) LOM Income Statement Revenues \$20,038,302 Production Cost 12,894,287 Income Taxes 2,003,904 Net Income \$5,140,111 (p. 104)

Annual Cash Flow Forecast (\$000) 2006 \$ (38,815) 2007 \$ (430,022) 2008 \$ (738,793) 2009 \$ (363,634) 2010 \$ (27,120) 2011 \$ 178,041 2012 \$ 336,492 2013 \$ 523,290 2014 \$ 520,563 2015 \$ 435,409 2016 \$ 466,444 2017 \$ 511,168 2018 \$ 567,144 2019 \$ 534,574 2020 \$ 431,935 2021 \$ 436,164 2022 \$ 539,297 2023 \$ 353,305 2024 \$ 210,669 2025 \$ 221,733 2026 \$ 324,174 2027 \$ 163,876

2028 \$ (5,784) Total \$ 5,150,111 (p.105)

# **Qualified Persons**

Two of the three Qualified Persones (NI 43-101) who authored the Peñasquito technical report are currently employees of Goldcorp (Robert H. Bryson, Vice President, Engineering, Goldcorp and Reynaldo Rivera, Vice President, Exploration, Luismin S.A. de C.V., fully owned subsidiary of Goldcorp). (p. 149, 151)

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