

SOUTHERN COPPER CORP/
Form 10-K/A
August 30, 2006

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

2005 FORM 10-K/A

Amendment No. 2

ANNUAL REPORT PURSUANT TO SECTION 13 or 15(d) OF

THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2005

Commission File Number: 1-14066

SOUTHERN COPPER CORPORATION

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

13-3849074
(I.R.S. Employer Identification No.)

11811 North Tatum Blvd. Suite 2500, Phoenix, AZ
(Address of principal executive offices)

85028
(Zip code)

Registrant's telephone number, including area code: **(602) 977-6595**

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
Stock, par value \$0.01 per share	New York Stock Exchange
\$200,000,000	Lima Stock Exchange
6.375%	Luxembourg Stock Exchange
Notes due 2015	

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\$600,000,000

7.500%

Notes due 2035

Luxembourg Stock Exchange

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15d of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment of this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. (See definition of accelerated filer and large accelerated filer in Rule 12b-2 of the Exchange Act).

Large accelerated filer

Accelerated filer

Non-accelerated filer

Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Act). Yes No

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As of January 31, 2006, there were of record 147,228,025 shares of Common Stock, par value \$0.01 per share, outstanding, and the aggregate market value of the shares of Common Stock (based upon the closing price on such date as reported on the New York Stock Exchange - Composite Transactions) of Southern Copper Corporation held by non affiliates was approximately \$3,194.1 million.

PORTIONS OF THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE:

Part III: Proxy statement in connection with the 2006 Annual Meeting of Stockholders

Part IV: Exhibit index is on Page B1 through B2.

EXPLANATORY NOTE

This amendment on Form 10-K/A is being filed to amend the Annual Report on Form 10-K of Southern Copper Corporation (SCC) for the year ended December 31, 2005 (the Form 10-K), originally filed with the Securities and Exchange Commission on March 13, 2006 (the Original Filing) and amended on Form 10-K/A on March 28, 2006. The purpose of this amendment is to amend portions of Item 1 and Item 2 as well as to update SCC s address in our Form 10-K. Additionally, SCC has corrected certain minor typographical errors in the Original Filing.

While we are amending only certain portions of our Form 10-K, for convenience and ease of reference, we are filing the entire Form 10-K, in an amended and restated format. Unless stated otherwise, all information contained in this amendment is as of December 31, 2005. This amendment does not change any previously reported financial results, nor does it reflect events occurring after the date of the Original Filing. This amendment does not affect the timeliness of the original filing to which this amendment relates.

PART I

Item 1. Business

MINE ACCIDENT

On Sunday, February 19, 2006, at about 2:00 am, a gas explosion occurred at our Pasta de Conchos coal mine, located in the San Juan Sabinas municipality, in the state of Coahuila, Mexico. The explosion caused a cave-in at three of the main tunnels leading into the mine. Initially 11 of our miners were rescued, some with minor injuries and some unharmed. Regrettably, 65 of our miners remained trapped. Our crews, with assistance from the Mexican army, regional industry and supported from the government of Coahuila, worked around the clock to reach and rescue our men. As work progressed, the build up of methane gas made it apparent that any chance of our men remaining alive was hopeless. Commencing on Saturday, February 25 our efforts have been redefined as a mission to recover the bodies of our men so that their families can have the solace of proper burial. We honor the memory of these men

Javier Perez Aguilar
Amado Rosales Hernandez
Jesus Morales Boone
Lauro Olacio Zarazu
Guillermo Iglesias Ramos
Adrian Barboza Alvarez
Jose Luis Calvillo H.
Oscar Javier Cerda Espinoza
Jose Angel Guzman Franco
Roberto Zapata Gonzalez
Mario Alberto Ruiz Ramos
Pedro Doñez Posada
Ricardo Hernandez Rocha
Jesus Armando Rodriguez T.
Jesus Alberto de Leon C.
Fermin Tavares Garza
Jose Guadalupe Garcia M.
Rolando Alcocer Soria
Roberto Guerrero Ramirez
Gil Rico Montelongo
Isidoro Briseño Rios
Jesus Viera Armendariz

Ignacio Hernandez Lopez
Jorge Antonio Moreno Tovar
Juan Manuel Rosas Hernandez
Jesus Alvarez Flota
Agustin Botello Hernandez
Jorge Bladimir Muñoz D.
Ignacio Campos Rosales
Juan Antonio Cruz Garcia
Juan Fernando Garcia M.
Jesus Cortez Ibarra
Tomas Patlan Martinez
Juan Arturo Salazar Olvera
Felipe de Jesus Torres R.
Feliciano Vazquez Posada
Pablo Soto Nieto
Hugo Ramirez Garcia
Jose Alfredo Ordoñez M.
Margarito Cruz Rios
Gregorio Rangel Ocura
Margarito Zamarron Alfaro
Jose Manuel Peña Saucedo
Jose Eduardo Martinez B.

Julian Martinez Ojeda
Raul Villasana Cantu
Eliud Valero Valero
Juan Antonio Cardenas Limon
Gilberto Rios Salazar
Guillermo Ortiz Mora
Mario de Jesus Cordero A.
Jose Porfirio Cibrian M.
Jose Ramon Hernandez Ramos
Juan Raul Artega Garcia
Luis Jorge de Hoyos Marquez
Mauro Antonio Sanchez Rocha
Ernesto de la Cruz Sanchez
Jose Alfredo Silva C.
Jorge Arturo Ortega Jimenez
Juan Ramon Barrientos G.
Arturo Garcia Diaz
Juan Martin Gomez Martinez
Reyes Cuevas Silva
Jose Armando Castillo M.
Jose Isabel Mijares Yañez

THE COMPANY

We are a leading integrated producer of copper, molybdenum, zinc and silver. All of our mining, smelting and refining facilities are located in Peru and in Mexico and we conduct exploration activities in those countries and Chile. See Review of Operations for maps of our principal mines, smelting facilities and refineries. Our operations make us the largest mining company in Peru and also in Mexico. We are the largest publicly traded copper mining company in the world based on reserves and the fifth largest copper mining company in the world based on 2004 sales. We were incorporated in Delaware in 1952 and have conducted copper mining operations since 1960. Since 1996, our common stock has been listed on both the New York Stock Exchange and the Lima Stock Exchange.

Our Peruvian copper operations involve mining, milling and flotation of copper ore to produce copper concentrates and molybdenum concentrates; the smelting of copper concentrates to produce blister copper and beginning in the first quarter of 2006 copper anodes; and the refining of blister copper/anode copper to produce copper cathodes. As part of this production process, we also produce significant amounts of molybdenum and silver. We also produce refined copper using SX/EW technology. We operate the Toquepala

and Cuajone mines high in the Andes mountains, approximately 984 kilometers southeast of the city of Lima, Peru. We also operate a smelter and refinery west of the Toquepala and Cuajone mines in the city of Ilo, Peru.

Our Mexican operations are conducted through our subsidiary, Minera México S.A. de C.V. (Minera Mexico), which we acquired on April 1, 2005. Minera México engages principally in the mining and processing of copper, zinc, silver, gold, lead and molybdenum. Minera México operates through subsidiaries that are grouped into three separate units. Mexicana de Cobre S.A. de C.V. (together with its subsidiaries, the Mexcobre Unit) operates an open-pit copper mine, a copper ore concentrator, a SX/EW plant, a smelter, refinery and rod plant. Mexicana de Cananea S.A. de C.V. (together with its subsidiaries, the Cananea Unit) operates an open-pit copper mine, which is located at the site of one of the world's largest copper ore deposits, a copper concentrator and two SX/EW plants. Industrial Minera México, S.A. de C.V. (Immsa) and Minerales Metálicos del Norte, S.A. (together with Immsa and its subsidiaries, the Immsa Unit) operate five underground mines that produce zinc, lead, copper, silver and gold, a coal and coke mine and several industrial processing facilities for zinc and copper.

We utilize many up-to-date mining and processing methods, including global positioning systems and computerized mining operations. Our operations have a high level of vertical integration that allows us to manage the entire production process, from the mining of the ore to the production of refined copper and other products and most related transport and logistics functions, using our own facilities, employees and equipment.

The sales prices for our products are largely determined by market forces outside of our control. For additional information on the pricing of the metals we produce, please see Metal prices . Our management, therefore, focuses on cost control and production enhancement to improve profitability. We achieve these goals through capital spending programs, exploration efforts and cost reduction programs. Our focus is on seeking to remain profitable during periods of low copper prices and maximizing results in periods of high copper prices.

Currency Information:

Unless stated otherwise, references herein to U.S. dollars , dollars , or \$ are to U.S. dollars; references to S/ , nuevo sol or nuevos soles , are Peruvian Nuevos Soles; and references to peso , pesos , or Ps. , are to Mexican pesos.

Unit Information:

Unless otherwise noted, all tonnages are in metric tons. To convert to short tons, multiply by 1.102. All ounces are troy ounces. All distances are in kilometers. To convert to miles, multiply by 0.621. To convert hectares to acres, multiply by 2.47.

ORGANIZATIONAL STRUCTURE

The following is a chart describing Grupo México S.A. de C.V. (Grupo Mexico), its ownership of us and our ownership of our recently acquired Minera México subsidiary. For clarity of presentation, the chart identifies only principal subsidiaries and eliminates intermediate holding companies.

We are a majority-owned, indirect subsidiary of Grupo México. Through its wholly-owned subsidiaries, Grupo México currently owns approximately 75.1% of our capital stock. Grupo México's principal business is to act as a holding company for shares of other corporations engaged in the mining, processing, purchase and sale of minerals and other products and railway and other related services.

We conduct our operations in Peru through a registered branch (the SPCC Peru Branch). The SPCC Peru Branch comprises substantially all of our assets and liabilities associated with our copper operations in Peru. The SPCC Peru Branch is not a corporation separate from us and, therefore, obligations of SPCC Peru Branch are direct obligations of SCC and vice-versa. It is, however, an establishment, registered pursuant to Peruvian law, through which we hold assets, incur liabilities and conduct operations in Peru. Although it has neither its own capital nor liability separate from us, it is deemed to have equity capital for purposes of determining the economic interests of holders of our investment shares.

On April 1, 2005, we acquired Minera México, the largest mining company in Mexico on a stand-alone basis, from Americas Mining Corporation (AMC), a subsidiary of Grupo México, our controlling stockholder. Minera México is a holding company and all of its operations

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are conducted through subsidiaries that are grouped into three separate units: (i) the Mexcobre Unit, (ii) the Cananea Unit and (iii) the Immsa Unit. We now own 99.95% of Minera Mexico.

CAUTIONARY STATEMENT

Forward-looking statements in this report and in other Company statements include statements regarding expected commencement dates of mining or metal production operations, projected quantities of future metal production, anticipated production rates, operating efficiencies, costs and expenditures as well as projected demand or supply for the Company's products. Actual results could differ materially depending upon factors including the risks and uncertainties relating to general U.S. and international economic and political conditions, the cyclical and volatile prices of copper, other commodities and supplies, including fuel and electricity, availability of materials, insurance coverage, equipment, required permits or approvals and financing, the occurrence of unusual weather or operating conditions, lower than expected ore grades, water and geological problems, the failure of equipment or processes to operate in accordance with specifications, failure to obtain financial assurance to meet closure and remediation obligations, labor relations, litigation and environmental risks, as well as political and economic risk associated with foreign operations. Results of operations are directly affected by metals prices on commodity exchanges, which can be volatile.

Additional business information follows:

COPPER BUSINESS

Copper is the world's third most widely used metal and an important component in the world's infrastructure. Copper has unique chemical and physical properties, including high electrical conductivity and resistance to corrosion, as well as excellent malleability and ductility that has made it a superior material for use in the electrical energy, telecommunications, building construction, transportation and industrial machinery businesses. Copper is also an important metal in non-electrical applications such as plumbing, roofing and, when alloyed with zinc to form brass, in many industrial and consumer applications.

Copper industry fundamentals, including copper demand, price levels and stocks, strengthened in late 2003 and copper prices have continued to improve in 2004 and 2005 from the 15-year price lows set during 2002.

BUSINESS REPORTING SEGMENTS:

Our Company operates in a single industry, the copper industry. With the acquisition of Minera Mexico in April 2005, we determined that to effectively manage our business we needed to focus on three operating components or segments. These segments are our Peruvian operations, our Mexican open-pit operations and our Mexican underground operations, known as our IMMSA unit. Our Peruvian operations include the Toquepala and Cuajone mine complexes and the smelting and refining plants, industrial railroad and port facilities which service both facilities. Our Mexican open-pit operations combined two units of Minera Mexico, Mexcobre and Mexcananea, which includes La Caridad and Cananea mine complexes and smelting and refining plants and support facilities which service both complexes. Our IMMSA unit includes five underground mines that produce zinc, lead, copper, silver and gold, a coal and coke mine, and several industrial processing facilities for copper, zinc and silver. Segment information is included under the captions "Overview-Metal production" and "Ore reserves", as well as in Note 19 of our Consolidated Combined Financial Statements.

REVIEW OF OPERATIONS

The following maps set forth the locations of our principal mines, smelting facilities and refineries. We operate open-pit copper mines in the southern part of Peru at Toquepala and Cuajone and in Mexico, principally at La Caridad and Cananea. We also operate five underground mines that produce zinc, copper, silver and gold, as well as a coal mine and a coke oven.

COPPER AND MOLYBDENUM EXTRACTION PROCESSES

Our operations include open-pit and underground mining, concentrating, copper smelting, copper refining, copper rod production, solvent extraction/electrowinning (SX/EW), zinc refining, sulfuric acid production, molybdenum concentrate production and silver and gold refining. The copper and molybdenum extraction process is outlined below, followed by a description of each principal component process.

OPEN-PIT MINING

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In an open-pit mine, the production process begins at the mine pit, where waste rock, leaching ore and copper ore are drilled and blasted and then loaded onto diesel-electric trucks by electric shovels. Waste is hauled to dump areas and leaching ore is hauled to leaching dumps. The ore to be milled is transported to the primary crushers. Crushed ore is then sent to the concentrator.

UNDERGROUND MINING

In an underground mine, the production process begins at the stopes, where copper, zinc and lead veins are drilled and blasted and the ore is hauled to the underground crusher station. The crushed ore is then hoisted to the surface for processing.

CONCENTRATING

The copper ore with a copper grade over 0.4% from the open-pit primary crusher or the copper, zinc and lead-bearing ore from the underground mines is transported to a concentrator plant where gyratory crushers break the ore into sizes no larger than three-quarters of an inch. The ore is then sent to a mill section where it is ground to the consistency of fine powder. The finely ground ore is mixed with water and chemical reagents and pumped as a slurry to the flotation separator where it is mixed with certain chemicals. In the flotation separator, reagents solution and air pumped into the flotation cells cause the minerals to separate from the waste rock and bubble to the surface where they are collected and dried.

If the bulk concentrated copper contains molybdenum it is first processed in a molybdenum plant as described below under Molybdenum Production.

COPPER SMELTING

Copper concentrates are transported to a smelter, where they are smelted using a furnace, converter and anode furnace to produce either copper blister (which is in the form of cakes with air pockets) or copper anodes (which are cleaned of air pockets). At the smelter, the concentrates are mixed with flux (a chemical substance intentionally included for high temperature processing) and then sent to reverberatory furnaces producing copper matte and slag (a mixture of iron and other impurities). Copper matte contains approximately 65% copper. Copper matte is then sent to the converters, where the material is oxidized in two steps: (i) the iron sulfides in the matte are oxidized with silica, producing slag that is returned to the reverberatory furnaces; and (ii) the copper contained in the matte sulfides is then oxidized to produce copper that, after casting, is called blister copper, containing approximately 98% to 99% copper, or anodes, containing approximately 99.7% copper. Some of the blister production is sold to customers and the remainder is sent to the refinery.

COPPER REFINING

Anodes are suspended in tanks containing sulfuric acid and copper sulfate. A weak electrical current is passed through the anodes and chemical solution and the dissolved copper is deposited on very thin starting sheets to produce copper cathodes containing approximately 99.99% copper. During this process, silver, gold and other metals (for example, palladium, platinum and selenium), along with other impurities, settle on the bottom of the tank. This anodic mud (slime) is processed at a precious metal plant where silver and gold are recovered.

COPPER ROD PLANT

To produce copper rods, copper cathodes are first melted in a furnace and then dosified in a casting machine. The dosified copper is then extruded and passed through a cooling system that begins solidification of copper into a 60×50 millimeter copper bar. The resulting copper bar is gradually stretched in a rolling mill to achieve the desired diameter. The rolled bar is then cooled and sprayed with wax as a preservation agent and collected into a rod coil that is compacted and sent to market.

SOLVENT EXTRACTION/ELECTROWINNING (SX/EW)

An alternative to the conventional concentrator/smelter/refinery process is the leaching and SX/EW process. During the SX/EW process, certain types of low-grade ore with a copper grade under 0.4% are leached with sulfuric acid to allow copper content recovery. The acid and copper solution is then agitated with a solvent that contains chemical additives that attract copper ions. As the solvent is lighter than water, it floats to the surface carrying with it the copper content. The solvent is then separated using an acid solution, freeing the copper. The acid solution containing the copper is then moved to electrolytic extraction tanks to produce copper cathodes. Refined copper can be produced more economically (though over a longer period) and from lower grade ore using the SX/EW process instead of the traditional concentrating, smelting and refining process.

MOLYBDENUM PRODUCTION

Molybdenum is recovered from copper-molybdenum concentrates produced at the concentrator. The copper-molybdenum concentrate is first treated with a thickener until it becomes slurry with 60% solids. The slurry is then agitated in a chemical and water solution and pumped to the flotation separator. The separator creates a froth that carries molybdenum to the surface but not the copper mineral (which is later filtered to produce copper concentrates containing approximately 27% copper). The molybdenum froth is skimmed off, filtered and dried to produce molybdenum concentrates of approximately 58% contained molybdenum.

ZINC REFINING

Metallic zinc is produced through electrolysis using zinc concentrates and zinc oxides. Sulfur is eliminated from the concentrates by roasting and the zinc oxide is dissolved in sulfuric acid solution to eliminate solid impurities. The purified zinc sulfide solution is treated by electrolysis to produce refined zinc and to separate silver and gold, which are recovered as concentrates.

SULFURIC ACID PRODUCTION

Sulfur dioxide gases are produced in the copper smelting and zinc roasting processes. As a part of our environmental preservation program, we treat the sulfur dioxide emissions at two of our Mexican plants and at Peruvian processing facilities to produce sulfuric acid, some of which is, in turn, used for the copper leaching process, with the rest sold to mining and fertilizer companies located in Mexico, Peru, the United States, Chile, Australia and other countries.

SILVER AND GOLD REFINING

Silver and gold are recovered from copper, zinc and lead concentrates in the smelters and refineries, and from slimes through electrolytic refining.

SLOPE STABILITY:

Peruvian Operations

Both the Toquepala and Cuajone pits are approximately 700 meters deep and under the present mine plan configuration will reach a depth of 1,200 meters. The deepening pit presents us with a number of geotechnical challenges. Perhaps the foremost concern is the possibility of slope failure, a possibility that all open pit mines face. In order to maintain slope stability, in the past we have decreased pit slope angles, installed additional or duplicate haul road access, and increased stripping requirements. We have also responded to hydrological conditions and removed

material displaced by a slope failure. There is no assurance that we will not have to take these or other actions in the future, any of which may negatively affect our results of operations and financial condition, as well as have the effect of diminishing our stated ore reserves. To meet the geotechnical challenges relating to slope stability of the open pit mines, we have taken the following steps:

In the late 1990 s we hosted round table meetings in Vancouver, B.C. with a group of recognized slope stability and open pit mining specialists. The agenda for these meetings was principally a review of pit design for mines with greater than 700 meter depth. The discussions included practices for monitoring, data collection and blasting processes.

Based on the concepts defined at the Vancouver meetings, we initiated slope stability studies to define the mining of reserves by optimum design. These studies were performed by outside consultants and included slope stability appraisals, evaluation of the numerical modeling, slope performance and inter-ramp angle design and evaluation of hydrological conditions.

The studies were completed in 2000 and we believe we implemented the study recommendations. One of the major changes implemented was slope angle reduction at both

mines, Toquepala by 5 degrees average and Cuajone by 7 degrees average. Although this increased the waste included in the mineable reserve calculation, it also improved the stability of the pits.

Since 1998, a wall depressurization program has been in place in both pits. This consists of a horizontal drilling program, which improves drainage thereby reducing saturation and increasing wall stability. Additionally, a new blasting control program was put in place, implementing vibration monitoring and blasting designs of low punctual energy. Also a new slope monitoring system was implemented using reflection prisms, deformation inclinometers and piezometers for water level control, as well as real-time robotic monitoring equipment.

To increase the possibility of mining in the event of a slide, we have provided for two ramps of extraction for each open pit mine.

While these measures cannot guarantee that a slope failure will not occur, we believe that our mining practices are sound and that the steps taken and the ongoing reviews performed are a prudent methodology for open pit mining.

OVERVIEW METAL PRODUCTION

The table below sets forth 2005, 2004 and 2003 mine production data by metal.

(million pounds)	2005	2004	2003
Copper contained in concentrates	1,268	1,331	1,206
Copper in SX/EW cathodes	253	252	262
Total copper	1,521	1,583	1,468
Zinc contained in concentrate	317	295	284
Molybdenum contained in concentrate	33	32	28
Silver contained in concentrate (million ounces)	18	19	18
Gold contained in concentrate (thousands ounces)	32	34	31

METAL PRODUCTION BY SEGMENTS

Set forth below are descriptions of the operations and other information relating to the operations included in each of our three segments.

PERUVIAN OPERATIONS

Our Peruvian segment operations include the Cuajone and Toquepala mine complexes and the smelting and refining plants, industrial railroad and port facilities which service both facilities.

Following is a map indicating the approximate location of, and access to, our Cuajone and Toquepala mine complexes as well as our Ilo processing facilities:

Cuajone

Our Cuajone operations consist of an open-pit copper mine and a concentrator located in southern Peru, 30 kilometers from the city of Moquegua and 840 kilometers from Lima. Access to the Cuajone property is by plane from Lima to Tacna (1:20 hours) and then by highway to Moquegua and Cuajone (3:30 hours). The concentrator has a milling capacity of 87,000 tons per day. Overburden removal commenced in 1970 and ore production commenced in 1976. Our Cuajone operations utilize a conventional open-pit mining method to collect copper ore for further processing in our concentrator.

The table below sets forth 2005, 2004 and 2003 production information for our Cuajone operations:

		2005	2004	2003
Mine annual operating days	(days)	365	366	365

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Total material mined	(kt)	109,855	101,265	97,471
Total ore mined	(kt)	29,544	29,380	29,754
Copper grade	(%)	0.643	0.792	0.745
Molybdenum grade	(%)	0.026	0.025	0.026
Average ore mined per day	(kt)	80.9	80.3	81.5
Leach material mined	(kt)	0	0	0
Leach material grade	(%)	0	0	0
Stripping ratio	(x)	2.72	2.45	2.28
Total material milled	(kt)	29,621	29,319	29,798
Copper concentrate	(kt)	619.2	752.9	710.0
Molybdenum concentrate	(kt)	9.5	8.7	9.0
Average copper grade in concentrates	(%)	26.43	25.82	25.99
Molybdenum concentrate average grade	(%)	55.576	53.742	53.881
Copper in concentrate	(kt)	163.7	194.4	184.5
Molybdenum in concentrate	(kt)	5.3	4.7	4.9
Copper recovery	(%)	85.96	83.64	83.13
Molybdenum recovery	(%)	69.7	64.5	63.5

Key: kt = thousands of tons

x = ratio obtained dividing waste plus leachable material by ore mined

Copper and molybdenum grades are referred to as total copper grade and total molybdenum grade, respectively.

Major Cuajone mine equipment include 3 trucks with a capacity of 290 tons, 18 trucks with a capacity of 240 tons and 8 trucks with a capacity of 218 tons, 4 trucks with a capacity of 109 tons, 3 shovels with a capacity of 73 tons (43 m³), 1 shovel with a capacity of 54 tons, 1 shovel with a capacity of 23 tons (11.4 m³), 1 front end loader with a capacity of 42 tons, 4 front end loaders with a capacity of 3.8 m³, 3 front end loaders with a capacity of 3.1 m³, 3 front end loaders with a capacity of 6.1 m³, 4 electric drills and 1 wheel tractor. We continuously improve and renovate our equipment

Geology

The Cuajone porphyry copper deposit is located on the western slopes of Cordillera Occidental, in the southern-most Andes Mountains of Peru. The deposit is part of a mineral district that contains two additional known deposits, Toquepala and Quellaveco. The copper mineralization at Cuajone is typical of porphyry copper deposits.

The Cuajone deposit is located approximately 28 kilometers from the Toquepala deposit and is part of the Toquepala Group dated 60 to 100 million years (Upper Cretaceous to Lower Tertiary). The Cuajone lithology includes volcanic rocks from Cretaceous to Quaternary. There are 32 rock types including, pre-mineral rocks, basaltic andesite, porphyritic rhyolite, Toquepala dolerite and intrusive rocks, including diorite, porphyritic latite, breccias and dikes. In addition, the following post-mineral rocks are present, the Huaylillas formation which appears in the south-southeast side of the deposit and has been formed by conglomerates, tuffs, traquites and agglomerates. These formations date 17 to 23 million years and are found in the Toquepala Group as discordance. The Chuntacala formation which dates 9 to 14 million years and is formed by conglomerates, flows, tuffs and agglomerates placed gradually in some cases and in discordance in others. Also Quaternary deposits are found in the rivers, creeks and hills. The mineralogy is simple with regular grade distribution and vertically funnel-shaped. Ore minerals include chalcopyrite (CuFeS₂), chalcosine (Cu₂S) and molybdenite (MoS₂) with occasional galena, tetraedrite and enargite as non economical ore.

Exploration in the mine

Exploration activities during the drill campaign in 2005 are as follows:

Studies	Meters	Holes	Notes
Infill Drilling	1,795.60	14	Evaluated the 2006 Mine Plan
Geotechnical Holes	1,536.85	11	Dewatering holes
Total	3,332.45	25	

Concentrator

Our Cuajone operations use state-of-the-art computer monitoring systems at the concentrator, the crushing plant and the flotation circuit in order to coordinate inflows and optimize operations. Material with a copper grade over 0.40% is loaded onto rail cars and sent to the milling circuit, where giant rotating crushers reduce the size of the rocks to approximately one-half of an inch. The ore is then sent to the ball mills, which grind it to the consistency of fine powder. The finely ground powder is agitated in a water and reagents solution and is then transported to flotation cells. Air is pumped into the cells producing a froth that carries the copper mineral to the surface but not the waste rock, or tailings. Recovered copper, with the consistency of froth, is filtered and dried to produce copper concentrates with an average copper content of 26.4%. Concentrates are then shipped by rail to the smelter at Ilo. Sulfures under 0.40% copper are considered waste.

Tailings are sent to thickeners where water is recovered. The remaining tailings are sent to the Quebrada Honda dam, our Peruvian tailings storage facility.

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Major Cuajone concentrator plant equipment include 1 primary crusher, 3 secondary crushers, 7 tertiary crushers, 10 primary ball mills, 4 ball mills for re-crushing, 1 vertical mill, 110 flotation cells, 8 column cells, 1 Larox Filter Press, 2 Middling Thickeners, 3 Tailings Thickeners, 1 High-Rate Tailings, 1 truck and a recycled water pipe line.

Since the mill expansion to reach actual nominal capacity finished in 1999, only some minor changes have been made to the plant. The plant's equipment is in good physical condition and currently in operation.

In 2003 and 2004, 2 additional column cells and 4 additional flotation cells were installed to increase resident time and copper recovery.

In 2005, 8 cracked ball mill shells were replaced after operating at Cuajone for the last 26 years. In 2006, 2 mill shells will be replaced in order to complete the replacement schedule. After these replacements, all ball mills will be completely operational. In 2006, 5 additional flotation cells were installed.

Toquepala

Our Toquepala operations consist of an open-pit copper mine and a concentrator. We also refine copper at the SX/EW facility through a leaching process. Toquepala is located in southern Peru, 30 kilometers from Cuajone and 870 kilometers from Lima. Access is by plane from Lima to the city of Tacna (1:20 hours) and then by the Pan-American highway to Camiara (1:20 hours) and by trail road to Toquepala (1 hour). The concentrator has a milling capacity of 60,000 tons per day, which has been expanded from 45,000 tons per day in 2002. The SX/EW facility has a refining capacity of 56,000 tons per year. Overburden removal commenced in 1957 and ore production commenced in 1960. Our Toquepala operations utilize a conventional open-pit mining method to collect copper ore for further processing in our concentrator.

The table below sets forth 2005, 2004 and 2003 production information for our Toquepala operations:

		2005	2004	2003
Mine annual operating days	(days)	365	366	365
Total material mined	(kt)	134,505	115,120	105,242
Total ore mined	(kt)	21,224	21,820	21,215
Copper grade	(%)	0.812	0.817	0.749
Molybdenum grade	(%)	0.039	0.044	0.029
Average ore mined per day	(kt)	58.1	59.6	58.1
Leach material mined	(kt)	16,693	9,708	28,013
Leach material grade	(%)	0.222	0.268	0.268
Estimated leach recovery	(%)	28.24	26.87	24.86
SX/EW cathode production	(kt)	36.5	42.1	47.8
Stripping ratio	(x)	5.34	4.28	3.96
Total material milled	(kt)	21,225	21,807	21,208
Copper concentrate	(kt)	576.4	580.1	505.2
Molybdenum concentrate	(kt)	9.7	11.2	7.8
Average copper grade in concentrates	(%)	27.32	27.73	28.18
Molybdenum concentrate average grade	(%)	54.7	53.7	53.2

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Copper in concentrate	(kt)	157.5	160.9	142.4
Molybdenum in concentrate	(kt)	5.3	6.0	4.2
Copper recovery	(%)	91.47	90.28	89.63
Molybdenum recovery	(%)	64.6	62.2	66.4

Key: kt = thousands of tons

x = ratio obtained dividing waste plus leachable material by ore mined

Copper and molybdenum grades are referred to as total copper grade and total molybdenum grade, respectively.

Major mine equipment at Toquepala include 8 trucks with a capacity of 290 tons, 5 trucks with a capacity of 231 tons, 18 trucks with a capacity of 218 tons, 9 trucks with a capacity of 181 tons, 1 truck with a capacity of 109 tons, 4 shovels with a capacity of 73 tm (43 m3), 3 shovels with a capacity of 23 tons (11.4 m3), 3 electric drills, 2 rotary drills, 1 front-end loader with a capacity of 21.4 m3.

We continuously improve and renovate our equipment. In 2003, we started a project to install a crushing, conveying and spreading system at the Toquepala mine to improve cost containment and production efficiency. The new system is expected to improve recovery at our leaching facilities and will largely eliminate costly truck haulage in the process. The primary crusher was placed in operation in August 2005. The overland conveyors 1, 2 and 3, and the grasshoppers 30 and 31 were put in the production line. The conveying reached its rated capacity of 6,500 ton/hr. in September 2005. The construction of the ramp will continue until final completion of the project, expected in the fourth quarter of 2006.

Geology

The Toquepala porphyry copper deposit is located on the western slopes of Cordillera Occidental, in the southern-most Andes Mountains of Peru. The deposit is part of a mineral district that contains two additional known deposits, Cuajone and Quellaveco.

The Toquepala deposit is in the southern region of Peru, located on the western slope of the Andes mountain range, approximately 120 kilometers from the border with Chile. This region extends into Chile and is home to many of the worlds most significant known copper deposits. The deposit is in a territory with intrusive and eruptive activities of rhyolitic and andesitic rocks which are 70 million years old (Cretaceous-Tertiary) and which created a series of volcanic lava. The lava is composed of rhyolites, andesites and volcanic agglomerates with a western dip and at an altitude of 1,500 meters. These series are known as the Toquepala Group. Subsequently, different intrusive activities occurred which broke and smelted the rocks of the Toquepala Group. These intrusive activities resulted in diorites, granodiorites and dikes of porphyric dacite. Toquepala has a simple mineralogy with regular copper grade distribution. Economic ore is found as disseminated sulfurs throughout the deposit as veinlets, replenishing empty places or as small aggregates. Ore minerals include chalcocopyrite (CuFeS₂), chalcocine (Cu₂S) and molybdenite (MoS₂). A secondary enrichment zone is also found with thicknesses between 0 and 150 meters.

Exploration in the mine

Exploration activities during the drill campaign in 2005 are as follows:

Studies	Meters	Holes	Notes
Lateral Boundaries	503.76	2	Delayed drilling from the 2004 drill campaign made in January 2005.
Leach Material Confirmation	434.10	7	Phase III exploration on East side of pit in order to confirm leach material indicated in Long Term Model.
Geotechnical Drilling	5,639.48	21	Inclinometers relocation and information about inside rock from the east side using oriented drills.
Total	6,577.34	30	

Concentrator

Our Toquepala operations use state-of-the-art computer monitoring systems at the concentrator, the crushing plant and the flotation circuit in order to coordinate inflows and optimize operations. Material with a copper grade over 0.40% is loaded onto rail cars and sent to the milling circuit, where giant rotating crushers reduce the size of the rocks to approximately one-half of an inch. The ore is then sent to the ball and bar

mills, which grind it to the consistency of fine powder. The finely ground powder is agitated in a water and reagents solution and is then transported to flotation cells. Air is pumped into the cells producing a froth, which carries the copper mineral to the surface but not the waste rock, or tailings. Recovered copper, with the consistency of froth, is filtered and dried to produce copper concentrates with an average copper content of 27.3%. Concentrates are then shipped by rail to the smelter at Ilo.

Tailings are sent to thickeners where water is recovered. The remaining tailings are sent to the Quebrada Honda dam, our Peruvian tailings storage facility.

Major concentrator plant equipment at Toquepala include 1 primary crusher, 3 secondary crushers, 6 tertiary crushers, 8 bar mills, 33 ball mills, 1 Distributed Control System (DCS), 1 optimizing control system (OCS), 42 flotation cells, 15 column cells, 72 Agitair 1.13 m³ cells, 2 Larox filter presses, 5 middling thickeners, 2 tailings thickeners, 3 high-rate tailings, 1 tripper car, 1 track tractor and a recycled water pipe line.

In order to reduce operation and maintenance costs and to comply with environmental requirements, we replaced the disc filters at the Toquepala concentrator with a new vertical press filter in 2005. The same year we also conducted a modernization project to replace old equipment with new and more efficient equipment.

SX/EW Plant

The SX/EW facility at Toquepala produces refined copper from solutions obtained by leaching low-grade ore stored at the Toquepala and Cuajone mines. The leach plant commenced operations in October 1995 with a design capacity of 35,629 tons per year of copper cathodes. In August 1999 the capacity was expanded to 56,000 tons per year.

Copper oxides from Cuajone with a grade higher than 0.359%TCu, with an acid solubility index higher than 20% and a cyanide solubility index higher than 50% is leached. In Toquepala, the leach material cutoff grade is 0.25% TCu and therefore material with a total copper grade between 0.25% and 0.40% is leached.

Major equipment at the SX Cuajone plant include 1 primary jaw crusher and 1 secondary cone crusher with a capacity of 4,170 tons per day, to process Cuajone s oxides. In addition the plant has 1 agglomeration mill, 1 front end loader and 3 trucks each with a capacity of 109 tons for agglomerated ore hauling to the leach dumps. Copper in solution produced in Cuajone is sent to Toquepala through an 8 pipe laid alongside the Cuajone - Toquepala railroad track.

Major equipment at the Toquepala Plant include 2 spray systems, 1 for the south dump and 1 for the northwest dump and 4 pregnant solution (PLS) ponds, each with its own pumping system to send the solution to the SX/EW Plant. The plant also has 3 lines of SX, each with a nominal capacity of 1,068 m³/hr of pregnant solution and 162 electrowinning cells arranged in two lines, one with 122 cells and the other with 40 cells.

Equipment and main facilities are supported by a SX/EW maintenance plan and a SX/EW Quality Management System to assure good physical condition and high availability. The SX/EW plant has maintained its ISO 9000 certification since 2002.

Processing Facilities - Ilo

Our Ilo smelter and refinery complex is located in the southern part of Peru, 17 kilometers north of the city of Ilo, 121 kilometers from Toquepala, 147 kilometers from Cuajone, and 1,240 kilometers from the city of Lima. Access is by plane from Lima to Tacna (1:20 hours) and then by highway to the city of Ilo (2 hours). Additionally, we maintain a port facility in Ilo, from which we ship our product and receive supplies. Product shipped and supplies received move between Toquepala, Cuajone and Ilo on our industrial railroad.

Smelter

Our Ilo smelter provides blister copper for the refinery we operate as part of the same facility. Blister copper produced by the smelter exceeds the refinery's capacity and the excess is sold to other refineries around the world. The nominal installed capacity of the smelter is 1,131,500 tons per year. We are in the process of modernizing the Ilo smelter to comply with Peruvian government requirements. The project is part of our Environmental Compliance and Management Program, or PAMA, which was approved by the Peruvian government in 1997. The project will modernize the smelter and is targeted to capture no less than 92% of the sulfur dioxide emissions, in compliance with PAMA requirements. The modernization program is progressing on schedule and expected to be completed by the end of 2006. As part of this project an anode casting wheel was completed in January 2006 and blister production was replaced with anode production, enabling us to eliminate a costly re-melting step in our production process.

During 2005, 2004 and 2003, 325,623, 320,722 and 314,920 tons, respectively, of copper blister were produced, with average grades of 99.35%, 99.37% and 99.31%, respectively. The copper recovery was 97.57% for 2005, 97.23% for 2004 and 96.80% for 2003.

The table below set forth 2005, 2004 and 2003 production and sales information for our Ilo smelter plant:

	2005	2004	2003
Concentrate smelted (kt)	1,206	1,213	1,183
Sulfuric acid produced (kt)	370	390	363
Blister sales (kt)	41,321	29,684	