

Edgar Filing: PHELPS DODGE CORP - Form 424B5

PHELPS DODGE CORP
Form 424B5
March 02, 2004

Filed Pursuant to Rule 424(b) (5)
File No. 333-104627

THE INFORMATION CONTAINED IN THIS PRELIMINARY PROSPECTUS SUPPLEMENT IS NOT COMPLETE AND MAY BE CHANGED. THIS PRELIMINARY PROSPECTUS SUPPLEMENT IS NOT AN OFFER TO SELL THESE SECURITIES IN ANY STATE WHERE THE OFFER OR SALE IS PROHIBITED.

SUBJECT TO COMPLETION, DATED MARCH 1, 2004

PROSPECTUS SUPPLEMENT
(To Prospectus Dated July 15, 2003)

\$150,000,000

(PHELPS DODGE CORPORATION LOGO)

% SENIOR NOTES DUE 2034

The notes will bear interest at the rate of % per year. Interest on the notes is payable on and of each year, beginning on . The notes will mature on , 2034. We may redeem some or all of the notes at any time on or after . The redemption prices are discussed under the caption "Description of the Notes--Optional Redemption."

The notes will be our senior obligations and will rank equally with all of our other unsecured senior indebtedness.

INVESTING IN THE NOTES INVOLVES RISKS. SEE "RISK FACTORS" BEGINNING ON PAGE S-3.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the related prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

	PER SENIOR NOTE	TOTAL
	-----	-----
Public Offering Price	%	\$
Underwriting Discount	%	\$
Proceeds to Phelps Dodge Corporation (before expenses)	%	\$

Interest on the notes will accrue from , 2004 to date of delivery.

The underwriter expects to deliver the notes to purchasers on or about , 2004.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

CITIGROUP

, 2004

YOU SHOULD RELY ONLY ON INFORMATION CONTAINED IN OR INCORPORATED BY REFERENCE IN THIS PROSPECTUS SUPPLEMENT AND THE ACCOMPANYING PROSPECTUS. WE HAVE NOT AUTHORIZED ANYONE TO PROVIDE YOU WITH DIFFERENT INFORMATION. WE ARE NOT MAKING AN OFFER OF THESE SECURITIES IN ANY STATE WHERE THE OFFER IS NOT PERMITTED. YOU SHOULD NOT ASSUME THAT THE INFORMATION CONTAINED IN THIS PROSPECTUS SUPPLEMENT OR THE ACCOMPANYING PROSPECTUS IS ACCURATE AS OF ANY DATE OTHER THAN THE DATE ON THE FRONT OF THIS PROSPECTUS SUPPLEMENT.

TABLE OF CONTENTS

PROSPECTUS SUPPLEMENT

Forward-Looking Statements.....	S-1
Phelps Dodge Corporation.....	S-2
Risk Factors.....	S-3
Use of Proceeds.....	S-8
Capitalization.....	S-9
Ratio of Earnings to Fixed Charges.....	S-10
Selected Financial Information.....	S-11
Description of the Notes.....	S-14
Underwriting.....	S-17
Legal Matters.....	S-18

PROSPECTUS

Cautionary Note.....	2
Phelps Dodge Corporation.....	3
The Trusts.....	4
Use of Proceeds.....	5
Ratios of Earnings to Fixed Charges and Earnings to Combined Fixed Charges and Preferred Stock Dividends.....	6
Accounting Treatment.....	7
Description of the Common Shares.....	8
Description of the Preferred Shares.....	10
Description of Share Purchase Contracts and Share Purchase Units.....	18
Description of Depositary Shares.....	19
Description of Warrants.....	21
Description of the Debt Securities.....	22
Description of the Preferred Securities.....	33
Description of the Preferred Securities Guarantees.....	42
Plan of Distribution.....	45
Experts.....	46
Validity of the Securities.....	46
Where You Can Find More Information.....	47
Incorporation by Reference.....	47

In connection with this offer, Citigroup Global Markets Inc. may effect transactions with a view to supporting the market price of the notes at a level higher than that which might otherwise prevail for a limited period after the

Edgar Filing: PHELPS DODGE CORP - Form 424B5

issue date. However, there may be no obligation on Citigroup Global Markets Inc. to do this. Such stabilizing, if commenced, may be discontinued at any time and must be brought to an end after a limited period.

FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus and the information incorporated by reference in them include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Securities Exchange Act"). We intend these forward-looking statements to be covered by the safe harbor provisions for forward-looking statements. You should be aware that these statements reflect our expectations of future events or results and are not guarantees of performance. We cannot assure you that such statements will prove to be correct. All statements based on future expectations rather than historical facts are forward-looking statements and are subject to certain risks and uncertainties, including those identified in "Management's Discussion and Analysis of Financial Condition and Results of Operation" in our Annual Report on Form 10-K for the year ended December 31, 2003, and in this prospectus supplement under the heading "Risk Factors" below, which could cause actual results to differ materially from historical or projected results. Forward-looking statements include, among other things, discussions concerning our potential exposure to market risks and statements expressing management's expectations, beliefs, estimates, forecasts, projections and assumptions. In some cases, you can identify forward-looking statements by words such as "believe," "estimate," "intend," "anticipate," "expect," "should," "plan," "predict," "potential," "may," "will" or similar expressions.

Factors that could cause actual results to differ materially include, among others: risks and uncertainties relating to general U.S. and international economic and political conditions; the cyclical and volatile price of copper and other commodities; political and economic risks associated with foreign operations; unanticipated ground and water conditions; geological problems; metallurgical and other processing problems; availability of materials and equipment; delays in the receipt of or failure to receive necessary government permits; appeals of agency decisions or other litigation; volatility in the price or availability of oil (the main feedstock for our carbon black operations), diesel fuel, electricity and natural gas; currency fluctuations; changes in laws or regulations or the interpretation and enforcement thereof (including changes in treaties or laws governing international trade or tariffs); the occurrence of unusual weather or operating conditions; force majeure events; lower than expected ore grades; the failure of equipment or processes to operate in accordance with specifications or expectations; unanticipated difficulties consolidating acquired operations and obtaining expected synergies; labor relations; accidents; delays in anticipated start-up dates; environmental risks; the ability to obtain anticipated cost savings and efficiencies; the ability to obtain satisfactory insurance coverages; the ability to obtain surety bonds or other financial assurance for reclamation obligations; and the results of financing efforts and financial market conditions.

We caution you not to put undue reliance on forward-looking statements. We disclaim any intent or obligation to update these forward-looking statements, whether as a result of new information, future events or otherwise.

S-1

PHELPS DODGE CORPORATION

Edgar Filing: PHELPS DODGE CORP - Form 424B5

We are the world's second largest producer of copper, among the world's largest carbon black and magnet wire producers, and are the world's largest producer of continuous-cast copper rod. On October 16, 1999, we acquired Cyprus Amax Minerals Company. As a result of that acquisition, we also became one of the world's largest producers/processors of molybdenum and molybdenum products.

Phelps Dodge consists of two major divisions: Phelps Dodge Mining Company, or PDMC, and Phelps Dodge Industries, or PDI.

PDMC includes our worldwide, vertically integrated copper operations from mining through rod production, marketing and sales; molybdenum operations from mining through conversion, marketing and sales; other mining operations and investments; and worldwide mineral exploration, technology and development programs. PDMC comprises 11 reportable segments -- Morenci, Bagdad/Sierrita, Miami/ Bisbee, Chino/Cobre and Tyrone (located in the United States), Candelaria/Ojos del Salado, Cerro Verde and El Abra (located in South America), Manufacturing and Sales, Primary Molybdenum and Other Mining.

PDI is our manufacturing division comprising two reportable segments -- Specialty Chemicals and Wire and Cable. PDI produces engineered products principally for the global energy, telecommunications, transportation and specialty chemicals sectors. We produce specialty chemicals at operations in North America, Europe, South America and Asia through Columbian Chemicals Company, one of the world's largest producers of carbon black. Carbon black is a reinforcing agent in natural and synthetic rubber that increases the service life of tires, hoses, belts and other products for the rubber industry. We also produce specialty carbon black for other industrial applications such as pigments for printing, coatings, plastics and other non-rubber applications. Our Wire and Cable segment has operations in the United States, Latin America, Asia, Europe and Africa. This segment produces magnet wire, copper and aluminum energy cables, telecommunications cables, specialty conductors and other products for sale principally to original equipment manufacturers for use in electrical motors, generators, transformers, medical applications and public utilities.

For more information about our business and properties, please see our Annual Report on Form 10-K for the year ended December 31, 2003. More extensive information concerning us is contained in that report. See "Incorporation by Reference" in the accompanying prospectus.

RECENT DEVELOPMENTS

On March 1, 2004, we commenced cash tender offers for all of our (i) 6.625% Notes due 2005, of which \$217.96 million principal amount is outstanding and (ii) 7.375% Notes due 2007, of which \$175.49 million principal amount is outstanding.

The purchase price for each debt security will be the price calculated at the time of tender resulting from the yield to maturity equal to the corresponding (i) fixed spread listed below plus (ii) the yield on the applicable U.S. Treasury security listed below.

DESCRIPTION OF SECURITY	CUSIP NUMBER	FIXED SPREAD	U.S. TREASURY SECURITY
-----	-----	-----	-----
6.625% notes due October 15, 2005.....	23281PAD8	35 basis points	1.625% due October 31, 2005
7.375% notes due May 15, 2007.....	232809AD5	60 basis points	2.250% due February 15, 2007

Edgar Filing: PHELPS DODGE CORP - Form 424B5

On March 1, 2004, we announced that on March 31, 2004 we will redeem all of our outstanding 8.375% debentures due 2023, of which \$147.7 million principal amount is outstanding, for an aggregate redemption price of \$152.7 million (excluding accrued and unpaid interest to and including March 30, 2004). We expect to record a pre-tax charge in the first quarter of \$3.9 million related to the redemption.

S-2

RISK FACTORS

In addition to the other information contained or incorporated by reference in this prospectus supplement and the accompanying prospectus (including risks and uncertainties identified in "Management's Discussion and Analysis of Financial Condition and Results of Operation" in our Annual Report on Form 10-K for the year ended December 31, 2003), the following factors should be carefully considered prior to deciding whether or not to purchase the notes.

RISKS RELATING TO OUR BUSINESS

OUR INDEBTEDNESS COULD AFFECT OUR OPERATIONS.

At December 31, 2003, we had outstanding debt of approximately \$1.96 billion, constituting approximately 39% of our total capitalization. This level of indebtedness could reduce our flexibility in responding to changing business and economic conditions, and limit our ability to pursue other business opportunities and borrow money for operations or capital.

COPPER AND MOLYBDENUM PRICE VOLATILITY MAY REDUCE OUR INCOME.

Copper is an internationally traded commodity and is traded on the London Metal Exchange (LME), the New York Commodity Exchange (COMEX) and the Shanghai Futures Exchange (SHFE). The prices on these exchanges generally reflect the worldwide balance of copper demand and supply and various U.S. and international macroeconomic and political conditions. Prices are also sometimes influenced significantly by numerous other factors, including speculative actions, the availability and cost of substitute materials, and currency exchange fluctuations. The copper market is volatile and cyclical, as illustrated by the following charts showing the high, low and average LME and COMEX spot prices per pound of copper cathode for the years indicated. The average spot prices are the averages of the monthly averages for each year, which we believe best reflect the manner in which we price copper we sell.

LME PRICES

YEAR	HIGH	LOW ---	AVERAGE
1993.....	\$1.08	\$0.72	\$0.87
1994.....	1.40	0.78	1.05
1995.....	1.47	1.23	1.33
1996.....	1.29	0.83	1.04
1997.....	1.23	0.77	1.03
1998.....	0.85	0.65	0.75
1999.....	0.84	0.61	0.71
2000.....	0.91	0.73	0.82
2001.....	0.83	0.60	0.72
2002.....	0.77	0.64	0.71
2003.....	1.05	0.70	0.81

Edgar Filing: PHELPS DODGE CORP - Form 424B5

2004 (through February 27).....	1.36	1.06	1.18
---------------------------------	------	------	------

S-3

COMEX PRICES

YEAR	HIGH	LOW	AVERAGE
1993.....	\$1.07	\$0.72	\$0.85
1994.....	1.40	0.78	1.07
1995.....	1.46	1.21	1.35
1996.....	1.31	0.86	1.06
1997.....	1.23	0.76	1.04
1998.....	0.86	0.64	0.75
1999.....	0.85	0.61	0.72
2000.....	0.93	0.74	0.84
2001.....	0.87	0.60	0.73
2002.....	0.78	0.65	0.72
2003.....	1.04	0.71	0.81
2004 (through February 27).....	1.35	1.06	1.18

On February 27, 2004, the closing spot price of copper cathode on the LME and the COMEX was \$1.35 and \$1.34 per pound, respectively.

Any material change in the price we receive for copper, or in our cost of copper production, has a significant effect on our results. Our share of expected 2004 annual production is approximately 2.35 billion pounds of copper. Accordingly, each 1 cent per pound change in our average annual realized copper price, or in average annual production costs, causes a variation in annual operating income before taxes of approximately \$23 million. Consequently, a sustained and uninterrupted period of unusually low copper prices could reduce our ability to pay principal and interest on our debt, including the notes, or meet our other obligations.

While we have from time to time in the past entered into limited hedging arrangements to reduce a portion of our exposure to the volatility of commodity market prices, we may choose not to do so in the future. In addition, depending upon the specific arrangements, market conditions and other factors, these hedging arrangements, if entered into, could reduce the earnings or cash flow that we otherwise might realize or could result in losses. We did not have any outstanding copper price protection contracts for expected future mine production as of February 27, 2004.

Molybdenum, like copper, is characterized by volatile and cyclical prices. Prices are influenced by worldwide economic conditions, world supply/demand balances, inventory levels, the currency exchange rate, production costs of U.S. and foreign competitors, and other factors. Molybdenum consumption depends heavily on worldwide demand from the steel industry and, to a lesser extent, on chemical applications. A substantial portion of world molybdenum production is a by-product of copper mining, which is relatively insensitive to molybdenum prices. Platts Metals Week Dealer Oxide mean prices averaged \$5.32 per pound for 2003, in contrast to 2002 and 2001 average prices of \$3.77 per pound and \$2.36 per pound, respectively. We received an average realized price of \$5.79 per pound for molybdenum products in 2003, reflecting the broad mix of upgraded molybdenum products as well as technical grade molybdenic oxide. Platts Metals Week Dealer Oxide mean prices averaged \$7.94 per pound in January 2004.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

INCREASED ENERGY COSTS COULD REDUCE OUR PROFITABILITY OR RESULT IN LOSSES.

Energy, including electricity, diesel fuel and natural gas, represents a significant portion of the production costs for our operations. The principal sources of energy for our mining operations are purchased petroleum products, natural gas and electricity. The principal sources of energy in our wire and cable and specialty chemicals operations are purchased electricity and natural gas. In addition, the price of residual oil feedstock is a significant factor in the cost of our specialty chemicals products because the carbon black we produce is made primarily from heavy residual oil.

S-4

In response to the volatile energy markets in 2000 and 2001, we implemented a power cost stabilization plan that has reduced the electricity-related costs at our U.S. mining operations. Additionally, we entered into price protection programs for our diesel fuel and natural gas purchases to protect us against significant upward movements in energy prices while maintaining the flexibility to participate in any favorable price movements. However, because energy is a significant portion of our production costs, we could be negatively impacted by future energy availability or increases in energy prices. If we are unable to procure sufficient energy at reasonable prices in the future, it could reduce the earnings or cash flow that we otherwise might realize or could result in losses.

WE MAY NOT REALIZE INTENDED REDUCTIONS IN OUR COPPER PRODUCTION COSTS.

Our unit cost structure for copper production is higher than those of some major producers, whose principal mines are located outside the United States, due to lower ore grades, higher labor costs and, in some cases, stricter regulatory requirements. Our long-term goal is to achieve an implied unit cost of copper production for PDMC of \$0.60 per pound, however we cannot assure you that we will be able to meet this target. Should we fail to achieve our target, our earnings may be lower or we may suffer losses.

ENVIRONMENTAL AND REGULATORY COMPLIANCE MAY IMPOSE SUBSTANTIAL COSTS ON US.

Our operations in the United States are subject to stringent federal, state and local laws and regulations relating to improving or maintaining environmental quality. Our global operations are also subject to many environmental protection laws. Environmental laws often require parties to pay for remedial action or to pay damages regardless of fault. Environmental laws also often impose liability with respect to divested or terminated operations, even if the operations were terminated or divested many years ago. The federal Clean Air Act has had a significant impact, particularly on our smelters and power plants. We also have potential liability for certain sites we currently operate or formerly operated and for certain third-party sites under the federal superfund law and similar state laws.

Our mining operations and exploration activities, both inside and outside the United States, are subject to extensive laws and regulations governing prospecting, development, production, exports, taxes, labor standards, occupational health, waste disposal, protection and remediation of the environment, protection of endangered and protected species, mine safety, toxic substances and other matters. Mining is also subject to risks and liabilities associated with pollution of the environment and disposal of waste products occurring as a result of mineral exploration and production. Compliance with these laws and regulations imposes substantial costs on us and subjects us to significant potential liabilities.

Costs associated with environmental liabilities and compliance have

Edgar Filing: PHELPS DODGE CORP - Form 424B5

increased over time, and we expect these costs to continue to increase in the future. In addition, the costs of environmental obligations may exceed the reserves we have established for such liabilities.

MINE CLOSURE REGULATIONS MAY IMPOSE SUBSTANTIAL COSTS ON US.

Our mines in the southwestern United States are subject to various federal and state mine closure and mined-land reclamation laws. The requirements of these laws vary depending upon the jurisdiction. Over the last several years, there have been substantial changes in these laws and regulations in the states in which our mines are located, as well as the regulations promulgated by the federal Bureau of Land Management for mining operations located on unpatented mining claims located on federal public lands. These changes, which are continuing, have resulted in increases in the estimated costs to meet new closure and reclamation standards and requirements. As estimated costs increase, our mines are required to post increasing amounts of financial assurance to ensure the availability of funds to perform future closure and reclamation.

As a result of an agreement we reached with two New Mexico state agencies in May and September 2003, the amount of required financial assurance for our three New Mexico mines will increase from an interim total of approximately \$116 million established in the late 1990's to a total of approximately \$484 million. Approximately 70 percent of such financial assurance either is, or is expected to be, provided

S-5

in the form of third-party guarantees issued by us on behalf of our operating subsidiaries and approximately 30 percent is expected to be provided in the form of trust funds and collateral, including cash and liens on certain parcels of our non-mining real estate located in New Mexico. In addition, we have committed to expend at least \$30 million on accelerated closure and reclamation work over the next 10 years. The actual amount to be required for financial assurance is subject to the completion of additional permitting procedures, final agency determinations and the results of administrative appeals, all of which could result in some changes to the closure and reclamation plans and further increases in the cost estimates and our related financial assurance obligations.

Our Arizona mining operations have obtained approval of reclamation plans for our mined land and approval of financial assurance totaling approximately \$105 million, but applications for approval of closure plans for groundwater quality protection are pending for some portions of our mines. We also have approved mined-land reclamation plans and financial assurance in place for our two Colorado mines in the total amount of \$62.5 million.

Most of the financial assurance provided for our mines in the southwestern United States require a demonstration that we meet financial tests showing our capability to perform the required closure and reclamation. Demonstrations of financial capability have been made for all of the financial assurance for our Arizona mines. The financial tests required for continued use of the financial capability demonstrations and third-party guarantees include maintaining an "investment grade" rating on our senior debt securities. If, in the future, we should no longer maintain the investment grade rating, we will be required to replace most of the financial assurance currently satisfied through financial demonstrations and third-party guarantees with other forms of financial assurance, such as letters of credit, real property or cash.

THE BUSINESS OF MINING IS SUBJECT TO MANY RISKS.

The business of mining is subject to a number of risks and hazards, including but not limited to:

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- unanticipated ground and water conditions and adverse claims to water rights;
- geological problems;
- metallurgical and other processing problems;
- the occurrence of unusual weather or operating conditions and other force majeure events;
- lower than expected ore grades;
- accidents;
- delays in the receipt of or failure to receive necessary government permits;
- delays in transportation;
- labor disputes;
- unavailability of materials and equipment; and
- the failure of equipment or processes to operate in accordance with specifications or expectations.

The risks associated with mining described above could cause personal injury or death, environmental damage, delays in mining, monetary losses and possible legal liability. Some of these risks also impact our non-mining operations. Although we maintain and intend to continue to maintain property and liability insurance, some risks cannot be insured, and our insurance contains exclusions and limitations on coverage and may be unavailable in some circumstances.

OUR OPERATIONS OUTSIDE THE UNITED STATES ARE SUBJECT TO THE RISKS OF DOING BUSINESS IN FOREIGN COUNTRIES.

In 2003, our international operations provided 26% of PDMC's sales (including sales through PDMC's U.S. based sales company). In addition, during 2003 our international operations (including international exploration) contributed 63% of the division's operating income. In 2003, our international

S-6

operations provided 62% of PDI's sales and contributed 105% of the division's operating income. These non-U.S. activities are conducted in Canada, Latin America, Europe, Asia and Africa, and are subject to certain political and economic risks, including but not limited to:

- political instability and civil strife;
- changes in foreign laws and regulations, including those relating to the environment, labor and tax;
- foreign currency fluctuations;
- expropriation or nationalization of property;
- exchange controls; and
- import, export and trade regulations.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

LEVELS OF OUR ORE RESERVES AND MILL AND LEACH STOCKPILES ARE SUBJECT TO UNCERTAINTY.

There are a number of uncertainties inherent in estimating quantities of reserves and copper recovered from stockpiles, including many factors beyond our control. Ore reserve estimates are based upon engineering evaluations of assay values derived from samplings of drill holes and other openings. The quantity of copper contained in mill and leach stockpiles is based upon surveyed volumes of mined material and daily production records. The reserve and recoverable copper in stockpiles data incorporated by reference in this prospectus supplement and the accompanying prospectus are estimates. The volume and grade of reserves recovered, rates of production and recovered copper from stockpiles may be less than we anticipate.

Declines in the market price of a particular metal also may render the exploitation of reserves containing relatively lower grades of mineralization uneconomical. If the price we realize for a particular commodity were to decline substantially below the price at which ore reserves were calculated for a sustained period of time, we could experience reductions in reserves resulting in increased depreciation charges and potential asset write-downs. Under some such circumstances, we may discontinue the development of a project or mining at one or more properties. Further, changes in operating and capital costs and other factors, including but not limited to short-term operating factors such as the need for sequential development of ore bodies and the processing of new or different ore grades, may reduce reserves.

RISKS RELATING TO THE NOTES

THE NOTES WILL BE SUBORDINATED TO ALL SECURED INDEBTEDNESS OF PHELPS DODGE CORPORATION AND ALL LIABILITIES OF OUR SUBSIDIARIES.

The notes will be effectively subordinated to all of our existing and future secured indebtedness to the extent of the value of the assets securing that indebtedness. The notes will also be structurally subordinated to all existing and future liabilities of our subsidiaries. At December 31, 2003, outstanding debt of our subsidiaries (excluding inter-company debt) equaled approximately \$400 million.

NO MARKET FOR THE NOTES CURRENTLY EXISTS AND AN ACTIVE TRADING MARKET FOR THE NOTES MAY NOT DEVELOP.

The notes are a new issue of securities for which no market currently exists. If the notes are traded after their initial issuance, they may trade at a discount from the public offering price, depending on prevailing interest rates, the market for similar securities and other factors. A holder of notes may not be able to sell them in the future, and any sale of notes may be at a price equal to or less than the public offering price of the notes. An active market may not develop or be maintained for the notes. We do not intend to apply for listing of the notes on any securities exchange or to seek their admission for trading on any inter-dealer quotation system. The underwriter currently intends to make a market in the notes, subject to applicable law and regulations. However, the underwriter is not obligated to do so and may discontinue such market making at any time without notice.

S-7

USE OF PROCEEDS

We estimate the net proceeds to us from our sale of notes in this offering will be approximately \$148.4 million, after deducting underwriting discounts and estimated offering expenses payable by us. We intend to use the net proceeds of

Edgar Filing: PHELPS DODGE CORP - Form 424B5

this offering to redeem all of our outstanding 8.375% debentures due 2023, of which approximately \$147.7 million principal amount is outstanding. Pending any such application, the proceeds will be invested temporarily in short-term marketable securities.

S-8

CAPITALIZATION

The following table sets forth our capitalization as of December 31, 2003, on an actual basis, and on an as adjusted basis to give effect to the sale of the notes (after reflecting the underwriting discount and payment of expenses) and the use of the proceeds of the offering to redeem \$147.7 million aggregate principal amount of our outstanding 8.375% debentures due 2023.

No other change in our consolidated capitalization since December 31, 2003 is reflected in the table. The financial data as of December 31, 2003 in the table have been derived from our audited consolidated financial statements at and for the year ended December 31, 2003. The following data is qualified in its entirety by our audited consolidated financial statements and other information contained elsewhere in this prospectus supplement and the accompanying prospectus or incorporated by reference.

	AS OF DECEMBER 31, 2003	
	(IN MILLIONS)	
	ACTUAL	AS ADJUSTED
		(UNAUDITED)
Short-term debt:		
Short-term debt.....	\$ 50.5	\$ 50.5
Current portion of long-term debt.....	204.6	204.6
Total.....	255.1	255.1
Long-term debt:		
Notes and debentures (other than the notes).....	1,703.9	1,555.1
Notes offered hereby.....	--	150.0
Total.....	1,703.9	1,705.1
Minority interests in consolidated subsidiaries.....	70.2	70.2
Shareholders' equity.....	3,063.8	3,060.7 (1)
Total long-term debt, minority interests in consolidated subsidiaries, and shareholders' equity...	4,837.9	4,836.0
Total capitalization.....	\$5,093.0	\$5,091.1

(1) The As Adjusted amount reflects a \$3.9 million charge (\$3.1 million after tax) for the difference between the redemption price and the carrying value of the 8.375% debentures due 2023.

S-9

Edgar Filing: PHELPS DODGE CORP - Form 424B5

RATIO OF EARNINGS TO FIXED CHARGES

The following table sets forth our ratio of earnings to fixed charges for each of the five years in the period ended December 31, 2003. The ratios for the years ended December 31, 2001, 2000, and 1999 reflect financial statement restatements that are discussed in further detail in our Annual Report on Form 10-K for the year ended December 31, 2002, as amended, and the related notes thereto.

	YEAR ENDED DECEMBER 31,				
	2003	2002	2001	2000	1999
Ratio of Earnings to Fixed Charges(a).....	1.5	(b)	(c)	1.4	(d)

- (a) For purposes of computing the consolidated ratio of earnings to fixed charges, earnings consist of income before taxes, minority interests and equity in net earnings (losses) of affiliated companies and cumulative effect of accounting changes. Minority interests in majority-owned subsidiaries were not deducted from earnings as all such subsidiaries had fixed charges. Fixed charges consist of interest (including capitalized interest) on all indebtedness, amortization of debt discount and expense, and that portion of rental expense we believe to be representative of interest.
- (b) Due to the loss recorded in 2002, the ratio coverage was less than 1:1. We would have needed to generate additional earnings of \$417.9 million to achieve a coverage of 1:1 in 2002. The additional earnings to achieve a coverage of 1:1 has changed from the amount previously reported in the accompanying prospectus due to the adoption of SFAS No. 145, "Rescission of FASB Statements No. 4, 44, and 64, Amendment of FASB Statement No. 13, and Technical Corrections," which resulted in our reclassifying the 2002 third quarter extraordinary item for debt extinguishment costs to a recurring item.
- (c) Due to the loss recorded in 2001, the ratio coverage was less than 1:1. We would have needed to generate additional earnings of \$240.4 million to achieve a coverage of 1:1 in 2001.
- (d) Due to the loss recorded in 1999, the ratio coverage was less than 1:1. We would have needed to generate additional earnings of \$465.3 million to achieve a coverage of 1:1 in 1999.

S-10

SELECTED FINANCIAL INFORMATION

With the exception of data as to copper listed below, the following financial information for each of the five years in the period ended December 31, 2003 has been derived from our consolidated financial statements, audited by PricewaterhouseCoopers LLP, independent accountants, and previously filed with the SEC. The following information should be read in conjunction with our consolidated financial statements and related notes, which are incorporated by

Edgar Filing: PHELPS DODGE CORP - Form 424B5

reference. See "Incorporation by Reference" in the accompanying prospectus.

	YEAR ENDED DECEMBER 31			
	2003 (A)	2002 (B)	2001 (C)	2000 (D)
	(DOLLARS IN MILLIONS, EXCEPT FOR PER POUND FOR COPPER PRICE)			
STATEMENT OF OPERATIONS DATA				
Sales and other operating revenues.....	\$4,142.7	3,722.0	4,002.4	4,002.4
Operating income (loss).....	197.6	(209.3)	(28.8)	(28.8)
Income (loss) before extraordinary item and cumulative effect of accounting changes.....	18.1	(315.2)	(329.5)	(329.5)
Net income (loss).....	94.8	(338.1)	(331.5)	(331.5)
Basic earnings (loss) per common share before extraordinary item and cumulative effect of accounting changes.....	0.06	(3.86)	(4.19)	(4.19)
Diluted earnings (loss) per common share before extraordinary item and cumulative effect of accounting changes.....	0.06	(3.86)	(4.19)	(4.19)
Basic earnings (loss) per common share.....	0.92	(4.13)	(4.22)	(4.22)
Diluted earnings (loss) per common share.....	0.91	(4.13)	(4.22)	(4.22)
BALANCE SHEET DATA (at period end)				
Current assets.....	\$1,790.0	1,428.2	1,531.2	1,531.2
Total assets.....	7,272.9	7,029.0	7,584.3	7,584.3
Total debt.....	1,959.0	2,110.6	2,871.6	2,871.6
Long-term debt.....	1,703.9	1,948.4	2,538.3	2,538.3
Shareholders' equity.....	3,063.8	2,813.6	2,730.1	2,730.1
Cash dividends declared per common share.....	--	--	0.75	0.75
OTHER DATA				
Net cash provided by operating activities.....	\$ 470.5	348.0	302.7	302.7
Capital expenditures and investments.....	102.4	133.2	311.0	311.0
Net cash provided by (used in) investing activities.....	(87.7)	(140.3)	(266.8)	(266.8)
Net cash provided by (used in) financing activities.....	(48.8)	(244.8)	101.1	101.1
Common dividends declared.....	--	--	59.1	59.1
DIVISION RESULTS				
PDMC operating income (loss).....	\$ 265.2	(65.0)	(83.6)	(83.6)
PDI operating income.....	68.5	30.6	74.0	74.0
Corporate and Other operating loss.....	(136.1)	(174.9)	(19.2)	(19.2)
	\$ 197.6	(209.3)	(28.8)	(28.8)
COPPER				
Copper production (own production - thousand tons).....	1,059.3	1,028.8	1,160.1	1,160.1
Copper sales (own production - thousand tons).....	1,069.3	1,051.1	1,170.8	1,170.8
COMEX copper price (per pound) (f).....	\$ 0.81	0.72	0.73	0.73
LME copper price (per pound) (g).....	\$ 0.81	0.71	0.72	0.72
Implied full unit cost of copper production (per pound) (h).....	\$ 0.68	0.68	0.75	0.75
Commercially recoverable copper reserves (million tons)				
Ore reserves.....	19.5	19.6	22.1	22.1
Stockpiles and in-process inventories.....	1.6	1.4	0.9	0.9
	21.1	21.0	23.0	23.0

All references to per share earnings or loss are based on diluted earnings (loss) per share.

- (a) Reported amounts include after-tax, special gains of \$68.3 million, or 76 cents per common share, recognized for our acquisition of Heisei Minerals Corporation's one-third interest in Chino Mines Company; \$8.4 million, or 9 cents per common share, for cumulative effect of an accounting change due to the adoption of SFAS No. 143; \$6.4 million, or 7 cents per common share, for the sale of a wire and cable cost investment; \$2.4 million, or 3 cents per common share, for the termination of a foreign postretirement benefit plan; \$1.0 million, or 1 cent per common share, for the tax benefit relating to the net operating loss carryback prior to 2002; and \$0.5 million, or 1 cent per common share, for environmental insurance recoveries. These were partially offset by special provisions of \$27.0 million, or 30 cents per common share, for environmental provisions; \$8.0 million, or 9 cents per common share, for a probable Texas franchise tax matter; \$2.9 million, or 3 cents per common share, for historic Cyprus Amax Minerals Company legal matters; \$1.7 million, or 2 cents per common share, for asset impairment charges at our Wire and Cable segment; and \$0.9 million, or 1 cent per common share, for goodwill impairment at our Wire and Cable segment.
- (b) Reported amounts included after-tax, special charges of \$146.5 million, or \$1.74 per common share, for asset impairment charges at Cobre of \$115.5 million, Hidalgo of \$12.9 million and Ajo of \$18.1 million; \$53.0 million, or 63 cents per common share, for settlement of lawsuits related to Cyprus Amax Minerals Company; \$45.0 million, or 54 cents per common share, for a binding arbitration award for Plateau Mining Corporation (a subsidiary of Cyprus Amax Minerals Company); \$26.6 million, or 32 cents per common share, for early debt extinguishment costs; \$23.0 million, or 27 cents per common share, for restructuring activities; \$22.9 million, or 27 cents per common share, for cumulative effect on an accounting change due to the adoption of SFAS No. 142; \$14.0 million, or 17 cents per common share, for environmental provisions; \$7.0 million, or 8 cents per common share, for estimated remaining closure cost obligation at Hidalgo; \$1.2 million, or 1 cent per common share, for the write-off of two cost basis investments; and \$1.0 million, or 1 cent per common share, for the settlement of legal matters. These were partially offset by \$29.1 million, or 35 cents per common share, for environmental insurance recoveries; \$22.6 million, or 27 cents per common share, for the sale of non-core parcel of real estate in New Mexico; \$13.0 million, or 15 cents per common share, for the release of deferred taxes for Plateau Mining Corporation; and \$66.6 million, or 79 cents per common share, for the tax benefit relating to the net operating loss carryback prior to 2002.
- (c) Reported amounts included after-tax, special gains of \$61.8 million, or 79 cents per common share, for environmental insurance recoveries; \$39.9 million, or 51 cents per common share, for the gain on the sale of Sossego; and \$9.0 million, or 11 cents per common share, for an insurance settlement associated with legal matters. These were partially offset by special provisions of \$57.9 million, or 74 cents per common share, to increase the deferred tax valuation allowance; \$31.1 million, or 40 cents per common share, reflecting provisions for environmental costs; \$29.8 million, or 38 cents per common share, for restructuring activities; \$12.9 million, or 16 cents per common share, for investment impairments; \$2.0 million, or 3 cents per common share, for the cumulative effect of an accounting change due to the adoption of SFAS Nos. 133 and 138; and \$3.4 million, or 4 cents per common share, for other items, net.
- (d) Reported amounts included after-tax, special provisions of \$56.4 million, or 72 cents per common share, for restructuring activities; offset by an income

Edgar Filing: PHELPS DODGE CORP - Form 424B5

tax refund and related interest of \$10.1 million, or 13 cents per common share; and an insurance settlement refund of \$3.0 million, or 4 cents per common share.

- (e) Reported amounts included after-tax, special provisions of \$222.5 million, or \$3.61 per common share, for asset impairments; \$17.8 million, or 29 cents per common share, reflecting provisions for environmental costs; \$65.7 million, or \$1.07 per common share, for costs associated with restructuring activities; and \$3.5 million, or 6 cents per common share, for the cumulative effect of an accounting change. These were partially offset by a special gain of \$30.0 million, or 49 cents per common share,

S-12

for an adjustment of prior year's taxes. We acquired Cyprus Amax Minerals Company on October 16, 1999.

- (f) COMEX annual average spot price per pound - cathodes.
- (g) LME annual average spot price per pound - cathodes.
- (h) Based on PDMC's "all-in operating margin per pound of copper sold" (i.e., PDMC operating income (loss) excluding special items, divided by pounds of copper sold from PDMC mines for its own account, plus or minus the LME copper price).

S-13

DESCRIPTION OF THE NOTES

The following description of the particular terms of the notes offered by this prospectus supplement supplements the description of the general terms and provisions of the notes set forth in "Description of the Debt Securities" in the accompanying prospectus (the notes are referred to in the accompanying prospectus as the "debt securities"). You should carefully read the entire prospectus and prospectus supplement to understand fully the terms of the notes. All of the information set forth below is qualified in its entirety by the more detailed explanation set forth in the accompanying prospectus.

The notes are a separate series of senior debt securities and will be issued under an indenture, dated as of September 22, 1997, between Phelps Dodge Corporation and Wachovia Bank, National Association, as successor trustee, referred to as the "indenture." The notes will be issued in fully registered form without coupons and in denominations of \$1,000 and any integral multiple of \$1,000.

We may, without notice to or consent of the holders or beneficial owners of the notes, issue additional notes having the same ranking, interest rate, maturity and other terms as the notes. Any such additional notes issued could be considered part of the same series of notes under the indenture as the notes.

The notes offered hereby will be initially limited to \$150,000,000 aggregate principal amount and will mature on _____, 2034. Each note will bear interest at the rate of _____ % per annum. The notes will bear interest from _____, 2004 or from the most recent interest payment date to which interest has been paid or provided for, payable semiannually on _____ and _____ of each year, beginning on _____, 2004. Interest shall be paid to the person in whose name such note is registered at the close of business on the _____ or _____, as the case may be, preceding such interest payment date. Interest will be computed on the basis of a 360-day year, consisting of

Edgar Filing: PHELPS DODGE CORP - Form 424B5

twelve 30-day months.

If either a date for payment of principal or interest on the notes or the maturity date of the notes falls on a day that is not a business day, the related payment of principal or interest will be made on the next succeeding business day as if made on the date the payment was due. No interest will accrue on any amounts payable for the period from and after the date for payment of principal or interest on the notes or the maturity date of the notes. For these purposes, "business day" means any day which is a day on which commercial banks settle payments and are open for general business in New York City.

OPTIONAL REDEMPTION

We may redeem the notes at any time in accordance with the redemption provisions described under "Description of the Debt Securities--Redemption of Debt Securities" in the accompanying prospectus. The redemption price will equal any accrued and unpaid interest plus the greater of:

- 100% of the principal amount of the notes to be redeemed, and
- a "make whole" amount, which will be calculated as described below.

The "make whole" amount will equal the sum of the present values of the Remaining Scheduled Payments discounted to the redemption date, on a semiannual basis, at the Treasury Yield, plus basis points.

"Remaining Scheduled Payments" means the remaining scheduled payments of the principal and interest that would be due after the redemption date of a note if such note were not redeemed. However, if the redemption date is not a scheduled interest payment date, the amount of the next succeeding scheduled interest payment on such note will be reduced by the amount of interest accrued on such note to such redemption date.

"Treasury Yield" means, with respect to any redemption date, the annual rate equal to the semiannual equivalent yield to maturity of the Comparable Treasury Issue, assuming a price for the Comparable Treasury Issue (expressed as a percentage of its principal amount) equal to the Comparable Treasury Price for the redemption date.

"Comparable Treasury Issue" means the United States Treasury security selected by the Independent Investment Banker as having a maturity comparable to the remaining term of the notes.

"Comparable Treasury Price" means, with respect to any redemption date, (i) the average of the bid and asked prices, for the Comparable Treasury Issue (expressed in each case as a percentage of its principal amount), on the third business day preceding such redemption date, as set forth in the most

S-14

recent Federal Reserve Statistical Release H.15(519) or (ii) if such release (or any successor release), is not published, or does not contain such prices on such business day, (A) the average of the Reference Treasury Dealer Quotations for such redemption date, after excluding the highest and lowest such Reference Treasury Dealer Quotations, or (B) if the Independent Investment Banker obtains fewer than four such Reference Treasury Dealer Quotations, the average of all such Reference Treasury Dealer Quotations.

"Independent Investment Banker" means an independent investment banking institution of international standing appointed by us.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

"Reference Treasury Dealer" means any primary U.S. Government securities dealer in New York City selected by the Independent Investment Banker after consultation with us.

"Reference Treasury Dealer Quotations" means, with respect to each Reference Treasury Dealer and any redemption date, the average, as determined by the Independent Investment Banker, of the bid and asked prices for the Comparable Treasury Issue (expressed in each case as a percentage of its principal amount) quoted in writing to the Independent Investment Banker by the Reference Treasury Dealer at 5:00 p.m. on the third business day preceding such redemption date.

DEFEASANCE

The notes are subject to general defeasance or covenant defeasance, at any time, at our option, in accordance with the provisions contained in Sections 4.3, 4.4, 4.5 and 4.6 of the indenture, provided that we satisfy the stated conditions. Among other conditions, we must deposit with the trustee as trust funds the entire amount sufficient to pay all notes at maturity and deliver to the trustee an opinion of counsel that holders of the notes shall be subject only to the same Federal income tax that they would have incurred had we not elected to make the defeasance and an officer's certificate that we have fulfilled each of the conditions precedent to the defeasance.

BOOK-ENTRY; DELIVERY AND FORM

The notes will be represented by one or more global notes that will be deposited with and registered in the name of DTC or its nominee. We will not issue certificated notes, except in the limited circumstances described below. Transfers of ownership interests in the global notes will be effected only through entries made on the books of DTC participants acting on behalf of beneficial owners. You, as a beneficial owner of notes, will not receive certificates representing ownership interests in the global notes, except in the event that use of the book-entry system for the notes is discontinued. You will not receive written confirmation from DTC of your purchase. The direct or indirect participants through whom you purchased your notes should send you written confirmations providing details of your transactions and periodic statements of your holdings. The direct and indirect participants are responsible for keeping accurate account of the holdings of their customers like you. The laws of some states require that certain purchasers of securities take physical delivery of such securities in definitive form. Such limits and such laws may impair the ability to own, transfer or pledge beneficial interests in the global notes.

So long as DTC or its nominee is the registered owner and holder of the global notes, DTC or its nominee, as the case may be, will be considered the sole owner or holder of the notes represented by the global notes for all purposes under the indenture relating to the notes. Except as provided below, you, as a beneficial owner of interests in the global notes, will not be entitled to have notes registered in your name, will not receive or be entitled to receive physical delivery of notes in definitive form and will not be considered the owner or holder thereof under the indenture. Accordingly, you, as a beneficial owner, must rely on the procedures of DTC and, if you are not a DTC participant, on the procedures of the DTC participants through which you own your interest to exercise any rights of a holder under the indenture.

Neither we, the trustee, nor any agent of ours or agent of the trustee will have any responsibility or liability for any aspect of the records relating to, or payments made on account of, beneficial ownership interests in global notes or for maintaining, supervising or reviewing any records relating to the beneficial ownership interests. DTC's practice is to credit the accounts of DTC's direct participants with payment in amounts proportionate to their

Edgar Filing: PHELPS DODGE CORP - Form 424B5

respective holdings in principal amount of beneficial interest in a security as shown on the records of DTC, unless DTC has reason to believe that it will not receive payment on the payment date. The underwriters will initially designate the accounts to be credited. Beneficial owners may

S-15

experience delays in receiving distributions on their notes because distributions will initially be made to DTC, and they must be transferred through the chain of intermediaries to the beneficial owner's account. Payments by DTC participants to you will be the responsibility of the DTC participant and not of DTC, the trustee or us. Accordingly, we and any paying agent will have no responsibility or liability for: (a) any aspect of DTC's records relating to, or payments made on account of, beneficial ownership interests in notes represented by a global securities certificate; (b) any other aspect of the relationship between DTC and its participants or the relationship between those participants and the owners of beneficial interests in a global securities certificate held through those participants; or (c) the maintenance, supervision or review of any of DTC's records relating to those beneficial ownership interests.

Conveyance of notices and other communications by DTC to direct participants, by direct participants to indirect participants and by direct participants and indirect participants to beneficial owners, will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time.

We have been informed that, under DTC's existing practices, if we request any action of holders of senior notes, or an owner of a beneficial interest in a global security such as you, desires to take any action that a holder of notes is entitled to take under the indenture, DTC would authorize the direct participants holding the relevant beneficial interests to take such action, and those direct participants and any indirect participants would authorize beneficial owners owning through those direct and indirect participants to take such action or would otherwise act upon the instructions of beneficial owners owning through them.

DTC has provided us with the following information and neither we nor the underwriters take any responsibility for its accuracy: DTC, the world's largest depository, is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code, and a "clearing agency" registered pursuant to the provisions of Section 17A of the Securities Exchange Act. DTC holds and provides asset servicing for over 2 million issues of U.S. and non-U.S. equity issues, corporate and municipal debt issues, and money market instruments from over 85 countries that its direct participants deposit with DTC. DTC also facilitates the post-trade settlement among direct participants of sales and other securities transactions in deposited securities, through electronic computerized book-entry transfers and pledges between direct participants' accounts. This eliminates the need to exchange certificated securities. Direct participants include both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, clearing corporations, and certain other organizations.

DTC is a wholly-owned subsidiary of The Depository Trust & Clearing Corporation, or DTCC. DTCC, in turn, is owned by a number of direct participants of DTC and members of the National Securities Clearing Corporation, Government Securities Clearing Corporation, MBS Clearing Corporation, and Emerging Markets Clearing Corporation (NSCC, GSCC, MBSCC, and EMCC, also subsidiaries of DTCC), as well as by the New York Stock Exchange Inc., the American Stock Exchange, LLC and the National Association of Securities Dealers, Inc.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

Access to the DTC system is also available to others such as both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, and clearing corporations that clear through or maintain a custodial relationship with a direct participant, either directly or indirectly. DTC has Standard & Poor's highest rating: AAA. The DTC rules applicable to its participants are on file with the SEC. More information about DTC can be found at www.dtcc.com.

CLEARANCE AND SETTLEMENT PROCEDURES

Initial settlement for the notes will be made in immediately available funds. Secondary market trading between DTC participants will occur in the ordinary way in accordance with DTC rules and will be settled in immediately available funds using DTC's Same Day Funds Settlement System.

S-16

UNDERWRITING

Citigroup Global Markets Inc. is acting as sole underwriter of the offering. Subject to the terms and conditions stated in the underwriting agreement dated the date of this prospectus supplement, the underwriter has agreed to purchase, and we have agreed to sell to the underwriter, the principal amount of notes set forth opposite the underwriter's name.

UNDERWRITER -----	PRINCIPAL AMOUNT OF NOTES -----
Citigroup Global Markets Inc.	-----
Total.....	=====

The underwriting agreement provides that the obligations of the underwriter to purchase the notes included in this offering are subject to approval of legal matters by counsel and to other conditions. The underwriter is obligated to purchase all the notes if it purchases any of the notes.

The underwriter proposes to offer some of the notes directly to the public at the public offering price set forth on the cover page of this prospectus supplement and some of the notes to dealers at the public offering price less a concession not to exceed % of the principal amount of notes. The underwriter may allow, and dealers may reallow, a concession not to exceed % of the principal amount of notes on sales to other dealers. After the initial offering of the notes to the public, the underwriter may change the public offering price and concessions.

The following table shows the underwriting discounts and commissions that we are to pay to the underwriter in connection with this offering (expressed as a percentage of the principal amount of the notes).

PAID BY
PHELPS DODGE

Edgar Filing: PHELPS DODGE CORP - Form 424B5

Per note..... %

In connection with the offering Citigroup may purchase and sell notes in the open market. These transactions may include over-allotment, syndicate covering transactions and stabilizing transactions. Over-allotment involves syndicate sales of notes in excess of the principal amount of notes to be purchased by the underwriter in the offering, which creates a syndicate short position. Syndicate covering transactions involve purchases of the notes in the open market after the distribution has been completed in order to cover syndicate short positions. Stabilizing transactions consist of certain bids or purchases of notes in the open market while the offering is in progress.

Any of these activities may have the effect of preventing or retarding a decline in the market price of the notes. They may also cause the price of the notes to be higher than the price that would otherwise exist in the open market in the absence of these transactions. The underwriter may conduct these transactions in the over-the-counter market, or otherwise. If the underwriter commences any of these transactions, it may discontinue them at any time.

We estimate that our total expenses of this offering will be \$270,000.

The underwriter has performed investment banking and advisory services for us from time to time for which it has received customary fees and expenses. The underwriter may, from time to time, engage in transactions with and perform services for us in the ordinary course of its business.

A prospectus in electronic format may be made available on the website maintained by the underwriter. In addition, notes may be sold by the underwriter to securities dealers who resell notes to online brokerage account holders.

We have agreed to indemnify the underwriter against certain liabilities, including liabilities under the Securities Act, or to contribute to payments the underwriter may be required to make because of any of those liabilities.

S-17

LEGAL MATTERS

The validity of the notes offered will be passed upon for Phelps Dodge Corporation by Debevoise & Plimpton LLP, 919 Third Avenue, New York, New York 10022, and for the underwriter by Cleary, Gottlieb, Steen & Hamilton, One Liberty Plaza, New York, New York 10006.

S-18

\$750,000,000

[PHELPS DODGE CORPORATION LOGO]

- COMMON SHARES
- PREFERRED SHARES
- SHARE PURCHASE CONTRACTS
- SHARE PURCHASE UNITS
- DEPOSITARY SHARES
- WARRANTS
- SENIOR DEBT SECURITIES
- JUNIOR SUBORDINATED DEBT SECURITIES

Edgar Filing: PHELPS DODGE CORP - Form 424B5

PD CAPITAL TRUST I
PD CAPITAL TRUST II
PREFERRED SECURITIES
GUARANTEED BY PHELPS DODGE CORPORATION

- By this prospectus, we may offer from time to time up to \$750,000,000 of any combination of the securities described in this prospectus.
- We will provide you with the specific terms of the securities we are offering in supplements to this prospectus. A supplement may also change or update information contained in this prospectus.
- You should read this prospectus, including the documents and other information we have referred to under the heading "Where You Can Find More Information," and the prospectus supplement relating to the specific issue of securities carefully before you invest.
- We may only use this prospectus to sell securities if it is accompanied by a prospectus supplement.
- Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is July 15, 2003.

CAUTIONARY NOTE

GENERAL

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission utilizing a "shelf" registration process. Under this shelf process, we may sell the securities described in the prospectus from time to time. This prospectus provides you with a general description of the securities we may offer. We may also add, update or change information contained in this prospectus through one or more supplements to this prospectus. You should rely only on the information contained or incorporated by reference in this prospectus and in any supplement. "Incorporation by reference" means that we can disclose important information to you by referring you to another document filed separately with the SEC. We have not authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We will not make an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus and any supplement to this prospectus is current only as of the dates on their covers. Our business, financial condition, results of operations and prospects may have changed since that date.

PD Capital Trust I and PD Capital Trust II, each of which is referred to in this prospectus as a trust and which are collectively referred to as the trusts, have no independent function other than to issue securities and to purchase junior subordinated debt securities. This prospectus does not contain separate financial statements for the trusts. Phelps Dodge Corporation files consolidated financial information with the SEC that will include financial information regarding the trusts.

FORWARD-LOOKING STATEMENTS

This prospectus, any prospectus supplement and the documents and information incorporated by reference in them may contain forward-looking

Edgar Filing: PHELPS DODGE CORP - Form 424B5

statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Securities Exchange Act"). We intend these forward-looking statements to be covered by the safe harbor provisions for forward-looking statements. You should be aware that these statements only reflect our expectations and are not guarantees of performance. These statements involve risks, uncertainties and assumptions. Actual events or results may differ materially from our expectations. Important factors that could cause our actual results to be materially different from our expectations include those discussed under the caption "Risk Factors" in each prospectus supplement. In some cases, you can identify these statements by our use of forward-looking words such as "may," "will," "should," "anticipate," "estimate," "expect," "plan," "believe," "predict," "potential" and "intend". The safe harbor provisions for forward-looking statements only apply to companies that have previously offered securities to the public. Because each trust's offer of the preferred securities constitutes each trust's initial public offering of securities, the safe harbor provisions of the federal securities laws do not apply to the trusts. We undertake no obligation to update or revise publicly any forward-looking statements, whether as a result of new information, future events or otherwise.

2

PHELPS DODGE CORPORATION

We are the world's second largest producer of copper. We are also one of the world's largest producers and processors of molybdenum and molybdenum products, the world's largest producer of continuous-cast copper rod, and are ranked among the world's largest producers of carbon black and magnet wire. We were incorporated under the laws of New York in 1885. On October 16, 1999, we acquired Cyprus Amax Minerals Company thereby enhancing our copper assets with significant operations in the U.S. and South America.

Phelps Dodge consists of two divisions: Phelps Dodge Mining Company and Phelps Dodge Industries.

PHELPS DODGE MINING COMPANY

Phelps Dodge Mining Company is our international business division that comprises our vertically integrated copper operations from mining through rod production, primary molybdenum operations through conversion, marketing and sales, and worldwide exploration in 11 reportable segments. Our copper mines comprise five reportable segments in the United States (Morenci, Bagdad/Sierrita, Miami/Bisbee, Chino/Cobre and Tyrone) and three reportable segments in South America (Candelaria, Cerro Verde and El Abra). The other reportable segments are Manufacturing and Sales, Primary Molybdenum and Other Mining.

PHELPS DODGE INDUSTRIES

Phelps Dodge Industries is our manufacturing division comprising two business segments that produce engineered products principally for the global energy, telecommunications, transportation and specialty chemicals sectors. Its operations are characterized by products with significant market share, internationally competitive costs and quality, and specialized engineering capabilities. The two reportable segments are Specialty Chemicals and Wire and Cable.

See the description of our business and properties included in our Annual Report on Form 10-K for the year ended December 31, 2002, as amended by our Forms 10-K/A. More extensive information concerning us is contained in such

Edgar Filing: PHELPS DODGE CORP - Form 424B5

report. See "Incorporation by Reference" in this prospectus.

Our principal executive offices are located at One North Central Avenue, Phoenix, Arizona 85004-4415, and our telephone number is (602) 366-8100.

3

THE TRUSTS

We created each trust as a Delaware statutory trust pursuant to a trust agreement. We will enter into an amended and restated trust agreement for each trust, which will state the terms and conditions for the trust to issue and sell its preferred securities and common securities.

Each trust exists solely to:

- issue and sell to the public preferred securities, representing undivided beneficial interests in the assets of the trust;
- issue and sell to us common securities, representing undivided beneficial interests in the assets of the trust;
- use the gross proceeds from the sale of its preferred and common securities to purchase a series of our junior subordinated debt securities;
- distribute the cash payments it receives from the junior subordinated debt securities it owns to the holders of the preferred and common securities; and
- engage in other activities that are necessary or incidental to these purposes.

We will purchase all of the common securities of each trust. The common securities will have terms substantially identical to, and will rank equal in priority of payment with, the preferred securities. Payments will be made on both the common securities and the preferred securities when payments of interest are made on the junior subordinated debt securities, upon redemption of the junior subordinated debt securities or in some circumstances upon liquidation of the trust. However, if a default on the payments on the related junior subordinated debt securities occurs, then cash distributions and redemption, liquidation and other amounts payable on the common securities will be subordinate in priority of payment to the amounts payable on the preferred securities.

Each of the trusts is a legally separate entity and the assets of one are not available to satisfy the obligations of any of the others. We will guarantee the preferred securities as described later in this prospectus. We will appoint five trustees to conduct each trust's business and affairs:

- Wachovia Bank, National Association, which will act as the property trustee;
- Wachovia Trust Company, National Association, which will act as the Delaware trustee; and
- Three of our officers, who will act as the administrative trustees.

We will pay all fees and expenses related to each trust and the offering of the preferred securities and will pay all ongoing costs, expenses and liabilities of each trust, except the trust's obligations under the preferred

Edgar Filing: PHELPS DODGE CORP - Form 424B5

and common securities.

The trusts will not have separate financial statements. The statements would not be material to holders of the trust preferred securities because the trusts will not have independent operations and exist solely for the reasons summarized above.

The principal offices of each trust will be located at c/o Phelps Dodge Corporation, One North Central Avenue, Phoenix, Arizona 85004-4415, and the telephone number of each trust will be 602-366-8100.

4

USE OF PROCEEDS

Unless stated otherwise in the applicable prospectus supplement, we will use the net proceeds from the sale of the securities for general corporate purposes, which may include financing our acquisitions, capital expenditures and daily operations and those of our subsidiaries, and refinancing debt. We may also use the proceeds for temporary investments until we need them for general corporate purposes. Unless stated otherwise in the applicable prospectus supplement, the net proceeds from the sale of the securities offered by each trust will be used by the trust to purchase a series of our junior subordinated debt securities.

5

RATIOS OF EARNINGS TO FIXED CHARGES AND EARNINGS TO COMBINED FIXED CHARGES AND PREFERRED STOCK DIVIDENDS

The following table sets forth our ratio of earnings to fixed charges and earnings to combined fixed charges and preferred stock dividends for the three months ended March 31, 2003 and for each of the five years in the period ended December 31, 2002. The ratios for the years ended December 31, 2001, 2000, 1999 and 1998 reflect financial statement restatements that are discussed in further detail in our Annual Report on Form 10-K for the year ended December 31, 2002, as amended, and the related notes thereto.

	THREE MONTHS ENDED MARCH 31, 2003	YEAR ENDED DECEMBER 31,				
		2002	2001	2000	1999	1998
Ratio of Earnings to Fixed Charges (a).....	0.9	(b)	(d)	1.4	(e)	4.3
Ratio of Earnings to Combined Fixed Charges and Preferred Stock Dividend Requirements (a).....	0.8	(c)	N/A	N/A	N/A	N/A

(a) For purposes of computing the consolidated ratio of earnings to fixed charges, earnings consist of income before taxes, minority interests and equity in net earnings (losses) of affiliated companies and cumulative effect of accounting changes. Minority interests in majority-owned subsidiaries were not deducted from earnings as all such subsidiaries had fixed charges. Fixed charges consist of interest (including capitalized

Edgar Filing: PHELPS DODGE CORP - Form 424B5

interest) on all indebtedness, amortization of debt discount and expense, and that portion of rental expense which we believe to be representative of interest. For purposes of calculating the ratio of earnings to combined fixed charges and preferred stock dividends, the preferred stock dividend requirements were assumed to be equal to the pre-tax earnings which would be required to cover such dividend requirements. The amount of pre-tax earnings required to cover such preferred stock dividends was computed using the tax rate for each applicable year. A statement setting forth the computation of the unaudited ratios of earnings to fixed charges is filed as Exhibit 12.1 to the registration statement that includes this prospectus.

- (b) Due to the loss recorded in 2002, the ratio coverage was less than 1:1. Phelps Dodge would have needed to generate additional earnings of \$386.6 million to achieve coverage of 1:1 in 2002.
- (c) Due to the loss recorded in 2002, the ratio coverage was less than 1:1. Phelps Dodge would have needed to generate additional earnings of \$395.7 million to achieve a coverage of 1:1 in 2002.
- (d) Due to the loss recorded in 2001, the ratio coverage was less than 1:1. We would have needed to generate additional earnings of \$240.4 million to achieve a coverage of 1:1.
- (e) Due to the loss recorded in 1999, the ratio coverage was less than 1:1. We would have needed to generate additional earnings of \$465.3 million to achieve a coverage of 1:1 in 1999.

6

ACCOUNTING TREATMENT

Each trust will be treated as our wholly owned subsidiary for financial reporting purposes. Accordingly, each trust's financial statements will be included in our consolidated financial statements. The classification of the preferred securities of each trust is dependent upon the type of security issued. The preferred securities of each trust will be classified as a separate line item in our consolidated balance sheet following long-term debt but preceding shareholders' equity, with appropriate disclosures about the preferred securities included in the footnotes to the consolidated financial statements. We will record distributions payable on preferred securities as other non-operating expense in our statement of consolidated operations. Included in a footnote to our consolidated financial statements will be disclosure that the sole assets of each trust are investments in our junior subordinated debt securities, the principal amount, interest rate and maturity date of the junior subordinated debt securities held.

7

DESCRIPTION OF THE COMMON SHARES

GENERAL

Pursuant to our Restated Certificate of Incorporation, as amended, we are authorized to issue 200 million common shares having a par value of \$6.25 per share. Our common shares are listed on the New York Stock Exchange under the trading symbol "PD." The transfer and dividend paying agent and registrar for our common shares is Mellon Shareholder Services, LLC.

We summarize below all of the material features of our common shares. The summary is not complete and is qualified in its entirety by all of the

Edgar Filing: PHELPS DODGE CORP - Form 424B5

provisions of our Restated Certificate of Incorporation, as amended, our By-Laws and the Rights Agreement. Those documents are incorporated by reference as exhibits to the registration statement that includes this prospectus, and we encourage you to read them.

The common shares when offered by this prospectus will, when issued, be fully paid and nonassessable and will not have, or be subject to, any preemptive or similar rights.

DIVIDENDS

Subject to the preferential rights of any holders of any outstanding series of our preferred shares, each holder of common shares is entitled to receive dividends, if declared by our board of directors, out of funds that we can legally use to pay dividends.

VOTING RIGHTS

The holders of common shares will possess exclusive voting rights in our company, except to the extent that our board of directors will have designated voting power with respect to any preferred shares issued. Each holder of common shares is entitled to one vote for each share registered in that holder's name on our books on each matter submitted for a vote of holders of common shares.

LIQUIDATION RIGHTS

In the event of our liquidation, dissolution or winding-up, the holders of common shares will be entitled to share proportionately in the distribution of all of our assets remaining after payment of all of our debts and liabilities and of all sums to which holders of any preferred shares may be entitled.

PREEMPTIVE RIGHTS

Holders of common shares are not entitled to preemptive rights with respect to any shares of our capital stock or other securities convertible into or carrying rights or options to purchase any of our shares.

RIGHTS AGREEMENT

Each of our common shares, including those that may be issued in an offering under this prospectus, carries with it one preferred share purchase right. If these rights become exercisable, each right entitles the registered holder to purchase one two-hundredth of a Junior Participating Cumulative Preferred Share (subject to a proportionate decrease in the fractional number of Junior Participating Cumulative Preferred Shares that may be purchased if a stock split, stock dividend or similar transaction occurs with respect to the common shares and a proportionate increase in the event of a reverse stock split). Until a right is exercised, the holder of the right has no right to vote or receive dividends or any other rights as a shareholder as a result of holding the right. The terms of the rights are described in the Rights Agreement, dated as of February 5, 1998, between us and The Chase Manhattan Bank, as rights agent. We summarize below all of the material features of the Rights Agreement. The summary is not complete and is qualified in its entirety by all of the provisions of the Rights Agreement. The Rights Agreement is incorporated by reference as an exhibit to the registration statement that includes this prospectus, and we encourage you to read it.

The rights trade automatically with our common shares. A holder of common shares may exercise the rights only under the circumstances described below. The

Edgar Filing: PHELPS DODGE CORP - Form 424B5

rights are designed to protect our interests and the interests of our shareholders against coercive takeover tactics. The rights are also designed to encourage potential acquirors to negotiate with our board of directors before attempting a takeover and to increase the ability of our board of directors to negotiate terms of any proposed takeover that benefit our shareholders. The rights may, but are not intended to, deter potential acquirors from making takeover proposals.

Junior Participating Cumulative Preferred Shares will rank junior to all other series of our preferred shares, including any preferred shares offered under this prospectus, if our board of directors, in creating such preferred shares, provides that they will rank senior to the Junior Participating Cumulative Preferred Shares.

The purchase price for each one two-hundredth of a Junior Participating Cumulative Preferred Share is \$210. We must adjust the purchase price if specified events occur, such as:

- if we pay stock dividends on the Junior Participating Cumulative Preferred Shares or effect a stock split or reverse stock split with respect to the Junior Participating Cumulative Preferred Shares; or
- if we issue any shares of our capital stock in a reclassification of the Junior Participating Cumulative Preferred Shares.

Holders may exercise their rights only following a distribution date. A distribution date will occur on the earlier of the following: (1) ten days after a public announcement or we otherwise receive notice that a person or group has acquired 20% or more of our outstanding common shares or (2) ten business days (or such later date as may be determined by our board of directors) after a person or group makes or announces an offer to purchase our common shares, which, if successful, would result in that person or group owning 20% or more of our outstanding common shares. However, our board of directors may delay the distribution date, as long as no person or group has acquired 20% or more of our outstanding shares.

The rights have some additional features that will be triggered upon the occurrence of specified events, including:

- if a person or group acquires 20% or more of our outstanding common shares, holders of the rights, other than such person or group, may purchase our common shares (instead of our Junior Participating Cumulative Preferred Shares) at 50% of the market value of the purchased common shares;
- if a person or group acquires 20% or more of our outstanding common shares, our board of directors may, at any time before the person or group acquires 50% or more of the outstanding common shares, exchange all or part of the rights (other than rights held or previously held by the 20% or greater shareholder) for common shares at an exchange ratio equal to one common share per right, subject to adjustment; and
- if we are involved in specified business combinations or the sale of 50% or more of our assets or earning power, the holders of the rights may purchase common shares of the acquiror or an affiliated company at 50% of market value.

Any time before a person or group acquires 20% or more of our outstanding common shares, our board of directors may redeem the rights in whole, but not in part, at a redemption price of \$0.01 per right, subject to adjustment for stock dividends, stock splits and similar transactions. Our board of directors in its sole discretion may establish the effective time, basis and conditions of the

Edgar Filing: PHELPS DODGE CORP - Form 424B5

redemption. Immediately upon redemption of the rights, the holder (1) can no longer exercise such rights and (2) can only receive the redemption price.

The rights will expire on February 24, 2008, unless we redeem them before then. At any time before a person or group acquires 20% or more of our outstanding common shares, our board of directors may amend the terms of the rights without the consent of the holders of the rights in any manner our board of directors deems desirable. Thereafter, our board of directors may amend the terms of the rights without the consent of the holders of the rights only if the amendment does not adversely affect the interests of the holders of the rights.

9

DESCRIPTION OF THE PREFERRED SHARES

We are authorized by our Restated Certificate of Incorporation, as amended, to issue 6 million preferred shares having a par value of \$1.00 per share, of which 2 million have been designated 6.75% Series A Mandatory Convertible Preferred Shares and 400,000 have been designated Junior Participating Cumulative Preferred Shares and are described below. As of today, we have issued 2 million 6.75% Series A Mandatory Convertible Preferred Shares and no other preferred shares.

We summarize below all of the material features of our preferred shares. The summary is not complete and is qualified in its entirety by all of the provisions of our Restated Certificate of Incorporation, as amended, our By-Laws and the Rights Agreement. Those documents are incorporated by reference as exhibits to the registration statement that includes this prospectus, and we encourage you to read them.

Subject to limitations prescribed by the New York Business Corporation Law, our Restated Certificate of Incorporation, as amended, and our By-Laws, our board of directors is authorized to fix the number of shares constituting each series of preferred shares and the designations, preferences, rights and limitations related to each series, including those provisions as may be desired concerning voting, redemption, dividends, dissolution or the distribution of assets, conversion or exchange, and such other subjects or matters as may be fixed by resolution of our board of directors or a committee authorized by our board of directors. The preferred shares when offered by this prospectus will, when issued, be fully paid and nonassessable and will not have, or be subject to, any preemptive or similar rights. As described above under "Description of the Common Shares -- Rights Agreement," each of our common shares carries with it one preferred share purchase right. The rights are designed to protect our interests and the interests of our shareholders against coercive takeover tactics. The rights are also designed to encourage potential acquirors to negotiate with our board of directors before attempting a takeover and to increase the ability of our board of directors to negotiate terms of any proposed takeover that benefit our shareholders. The rights may, but are not intended to, deter potential acquirors from making takeover proposals.

We will describe in a prospectus supplement some or all of the following terms of the series of preferred shares being offered:

- title;
- the number of shares offered;
- the liquidation preference per share;
- the purchase price;

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- the dividend rates, periods and/or payment dates or methods of calculation of the dividend rates;
- whether dividends will be cumulative or non-cumulative and, if cumulative, the date from which dividends will accumulate;
- the procedures for any auction or remarketing, if any;
- the provisions for a sinking fund, if any;
- the provisions for redemption, if applicable;
- any listing of the preferred shares on any securities exchange or market;
- the terms and conditions, if applicable, upon which the preferred shares will be convertible into our common shares, including the conversion price, or manner of calculation of the conversion price, and conversion period;
- the terms and conditions, if applicable, upon which preferred shares will be exchanged into debt securities, including the exchange price, or manner of calculating the exchange price, and the exchange period;

10

- voting rights, if any;
- the relative ranking and preferences of the preferred shares as to dividend rights upon liquidation, dissolution or winding up of our affairs;
- any limitations on issuance of any series of preferred shares ranking senior to or equal to the series of preferred shares as to dividend rights upon our liquidation, dissolution or winding up; and
- any other specific terms, preferences, rights, limitations or restrictions.

The applicable prospectus supplement will describe all of the material United States federal income tax considerations applicable to the particular series of preferred shares being offered.

Unless otherwise specified in the prospectus supplement, the preferred shares will, with respect to dividend rights and rights upon our liquidation, dissolution or winding up, rank:

- senior to all series of our common shares, and to all equity securities issued by us the terms of which specifically provide that such equity securities rank junior to the preferred shares with respect to dividend rights or rights upon our liquidation, dissolution or winding up;
- equal to all equity securities issued by us, the terms of which specifically provide that those equity securities will rank equal to the preferred shares with respect to dividend rights or rights upon our liquidation, dissolution or winding up; and
- junior to all equity securities issued by us, the terms of which specifically provide that those equity securities rank senior to the preferred shares with respect to dividend rights or rights upon our liquidation, dissolution or winding up.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

6.75% SERIES A MANDATORY CONVERTIBLE PREFERRED SHARES

General

Our Restated Certificate of Incorporation, as amended, authorizes the issuance of 6,000,000 preferred shares. Our 6.75% Series A Mandatory Convertible Preferred Shares (the "Mandatory Convertible Preferred Shares") constitute a single series consisting of 2 million preferred shares. We summarize below the material features of our Mandatory Convertible Preferred Shares. The summary is not complete and is qualified in its entirety by the terms of the Certificate of Amendment to our Restated Certificate of Incorporation containing the terms of our Mandatory Convertible Preferred Shares. Our Restated Certificate of Incorporation and the Certificate of Amendment are filed as exhibits to the registration statement that includes this prospectus, and we encourage you to read them.

Ranking

The Mandatory Convertible Preferred Shares rank with respect to dividend distributions and distributions upon the liquidation, winding-up and dissolution of the Corporation (i) senior to (a) the Common Shares, (b) the Junior Participating Cumulative Preferred Shares, and (c) to each other class or series of stock of Phelps Dodge, the terms of which do not expressly provide that it ranks senior to or on a parity with the Mandatory Convertible Preferred Shares as to dividend distributions and distributions upon the liquidation, winding-up or dissolution of Phelps Dodge and (ii) junior to any equity security, the terms of which expressly provide that such class or series will rank senior to the Mandatory Convertible Preferred Shares as to dividend distributions and distributions upon liquidation, winding-up or dissolution of Phelps Dodge.

Dividends

General

Dividends on our Mandatory Convertible Preferred Shares will be payable quarterly, if declared, on the 15th calendar day (or the following business day if the 15th is not a business day) of August, November, February and May of each year at the annual rate of \$6.75 per Mandatory Convertible

11

Preferred Share. The amount of dividends payable on each of our Mandatory Convertible Preferred Shares for each full quarterly period will be computed by dividing the annual dividend rate by four. The amount of dividends payable for any other period that is shorter or longer than a full quarterly dividend period will be computed on the basis of a 360-day year consisting of twelve 30-day months.

We are obligated to pay a dividend on our Mandatory Convertible Preferred Shares only if our board of directors or an authorized committee of our board declares the dividend payable and we have assets that legally can be used to pay the dividend.

Dividends on our Mandatory Convertible Preferred Shares will be cumulative. This means that, if our board of directors or an authorized committee of our board fails to declare a dividend, the dividend will accumulate until declared and paid or are forfeited upon optional conversion by the holder.

We are not obligated to pay holders of our Mandatory Convertible Preferred Shares any interest or sum of money in lieu of interest on any dividend not paid on a dividend payment date or any other late payment. We are also not obligated to pay holders of our Mandatory Convertible Preferred Shares any dividend in

Edgar Filing: PHELPS DODGE CORP - Form 424B5

excess of the full dividends on the Mandatory Convertible Preferred Shares that are payable as described in the preceding paragraphs.

Payment Restrictions

If we do not pay a dividend on a dividend payment date, then, until all accrued and unpaid dividends are paid and the full quarterly dividend on our Mandatory Convertible Preferred Shares for the current and all prior dividend periods is declared and paid or set apart for payment:

- We may not take any of the following actions with respect to any of our capital stock that ranks junior to our Mandatory Convertible Preferred Shares as to payment of dividends or the distribution of assets upon winding up, including our common shares:
 - declare or pay any dividend or make any distribution of assets on the junior capital stock, other than dividends or distributions of our capital stock that ranks junior to our Mandatory Convertible Preferred Shares as to payment of dividends and the distribution of assets upon winding up; or
 - redeem, purchase or otherwise acquire the junior capital stock, except upon conversion or exchange for our capital stock that ranks junior to our Mandatory Convertible Preferred Shares as to payment of dividends and the distribution of assets upon winding up.
- We may not redeem, purchase or otherwise acquire other of our capital stock that ranks equally with our Mandatory Convertible Preferred Shares as to payment of dividends or the distribution of assets upon winding up, except for conversion or exchange for shares of our capital stock that rank junior to our Mandatory Convertible Preferred Shares as to payment of dividends and the distribution of assets upon winding up.

Automatic Conversion of Our Mandatory Convertible Preferred Shares

Our Mandatory Convertible Preferred Shares, unless previously converted at the option of a holder thereof or upon specified mergers described below, will automatically convert, on August 15, 2005, the "conversion date," into a number of newly issued common shares equal to the conversion rate.

The conversion rate, which is the number of newly issued common shares issuable upon conversion of our Mandatory Convertible Preferred Shares on the conversion date, will, subject to adjustment under certain circumstances as described under "-- Anti-Dilution Adjustment" below, be as follows:

- If the "average market price" of our common shares, which is the average of the closing prices per common share on each of the 20 consecutive trading days ending on the third trading day immediately preceding the conversion date, is equal to or greater than \$48.00, which we call the

12

threshold appreciation price, then the conversion rate will be 2.083 of our common shares per Mandatory Convertible Preferred Share.

- If the average market price of our common shares is less than \$48.00 but greater than \$40.00, the conversion rate will be equal to \$100.00 divided by the average market price of our common shares per Mandatory Convertible Preferred Share.
- If the average market price of our common shares is less than or equal to

Edgar Filing: PHELPS DODGE CORP - Form 424B5

\$40.00, the conversion rate will be 2.5 of our common shares per Mandatory Convertible Preferred Share.

Conversion

Conversion into common shares will occur on August 15, 2005, unless a holder has converted at his or her option prior to the conversion date, as described below, or we are involved in a merger prior to the conversion date in which at least 30% of the consideration for our common shares consists of cash or cash equivalents, and such holder has converted through an early conversion as described below.

Prior to the date on which our common shares are issued on conversion, our common shares underlying our Mandatory Convertible Preferred Shares will not be deemed to be outstanding for any purpose and a holder thereof will have no rights with respect to the common shares, including voting rights, rights to respond to tender offers and rights to receive any dividends or other distributions on our common shares by virtue of holding our Mandatory Convertible Preferred Shares.

Conversion at the Option of Holder

The holders of our Mandatory Convertible Preferred Shares have the right to convert them, in whole or in part, at any time prior to the conversion date, into our common shares at the optional conversion rate of 2.083 of our common shares for each of our Mandatory Convertible Preferred Shares, subject to adjustment as described below.

With limited exceptions, upon any optional conversion of our Mandatory Convertible Preferred Shares, we will make no payment or allowance for unpaid dividends, whether or not in arrears, on those Mandatory Convertible Preferred Shares, or for dividends or distributions on our common shares issued upon conversion.

Early Conversion Upon Cash Merger

Prior to the conversion date, if we are involved in a merger in which at least 30% of the consideration for our common shares consists of cash or cash equivalents, which we refer to as the "cash merger," then on or after the date of the cash merger each holder of our Mandatory Convertible Preferred Shares will have the right to convert our Mandatory Convertible Preferred Shares at the conversion rate in effect immediately before the cash merger. We refer to this right as the "merger early conversion right."

Anti-dilution Adjustments

The formula for determining the conversion rate and the number of our common shares to be delivered upon an early conversion may be adjusted if certain events occur, including:

(1) the payment of a dividend or other distributions on our common shares in common shares;

(2) the issuance to all holders of our common shares of rights or warrants, other than any dividend reinvestment or share purchase or similar plans, entitling them to subscribe for or purchase our common shares at less than the current market price (as defined below);

(3) subdivisions, splits and combinations of our common shares;

(4) distributions to all holders of our common shares or evidences of our indebtedness, shares of capital stock, securities, cash or other assets

Edgar Filing: PHELPS DODGE CORP - Form 424B5

(excluding any dividend or distribution covered by clause (1) or (2) above and any dividend or distribution paid exclusively in cash);

13

(5) distributions consisting exclusively of cash to all holders of our common shares in an aggregate amount that, when combined with certain other cash distributions and the fair value of tender or exchange offer payments within the preceding 12 months, exceeds 15% of our aggregate market capitalization (such aggregate market capitalization being the product of the current market price of our common shares multiplied by the number of common shares then outstanding) on the date fixed for the determination of shareholders entitled to receive such distribution; and

(6) the successful completion of a tender or exchange offer made by us or any subsidiary of ours for our common shares that involves an aggregate consideration that, when combined with certain other cash distributions and the fair value of tender or exchange offer payments within the preceding 12 months, exceeds 15% of our aggregate market capitalization on the date of expiration of such tender or exchange offer.

In the case of reclassifications, consolidations, mergers, sales or transfers of assets or other transactions that cause our common shares to be converted into the right to receive other securities, cash or property, each Mandatory Convertible Preferred Share then outstanding would, without the consent of the holders of our Mandatory Convertible Preferred Shares, become convertible into such other securities, cash or property instead of our common shares.

In the case of the payment of a dividend or other distribution on our common shares or shares of capital stock of any class or series, or similar equity interests, of or relating to a subsidiary or other business unit, which we refer to as a "spin-off," the conversion rate in effect immediately before the close of business on the record date fixed for determination of shareholders entitled to receive that distribution will be increased according to a specified formula.

In addition, we may increase the conversion rate if our board of directors deems it advisable to avoid or diminish any income tax to holders of our common shares resulting from any dividend or distribution of shares (or rights to acquire shares) or from any event treated as a dividend or distribution for income tax purposes or for any other reasons.

Each adjustment to the conversion rate will result in a corresponding adjustment to the number of our common shares issuable upon conversion of our Mandatory Convertible Preferred Shares.

Liquidation Rights

In the event of the voluntary or involuntary liquidation, dissolution or winding up of Phelps Dodge, the holders of our Mandatory Convertible Preferred Shares will be entitled to receive, out of our assets legally available for distribution to shareholders -- before any distribution of assets is made on our common shares or any future class of securities which ranks junior to our Mandatory Convertible Preferred Shares -- a liquidating distribution in the amount of \$100, plus an amount equal to the sum of all accrued and unpaid dividends, whether or not earned or declared, for the then-current dividend period and all prior dividend periods.

For the purpose of the preceding paragraph, none of the following will constitute a voluntary or involuntary liquidation, dissolution or winding up of Phelps Dodge:

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- the sale of all or substantially all of the property or business;
- the merger or consolidation of Phelps Dodge into or with any other corporation; or
- the merger or consolidation of any other corporation into or with Phelps Dodge.

After the payment to the holders of our Mandatory Convertible Preferred Shares of the full preferential amounts provided above, the holders of our Mandatory Convertible Preferred Shares will have no right or claim to any of our remaining assets.

In the event our assets available for distribution to the holders of our Mandatory Convertible Preferred Shares upon any liquidation, dissolution or winding up of Phelps Dodge, whether voluntary or involuntary, are insufficient to pay in full all amounts to which the holders are entitled as provided above,

14

no such distribution will be made on account of any other shares ranking equally with our Mandatory Convertible Preferred Shares as to the distribution of assets upon that liquidation, dissolution or winding up unless a pro rata distribution is made on our Mandatory Convertible Preferred Shares, with the amount allocable to each series of parity shares determined on the basis of the aggregate liquidation preference of the outstanding shares of each series and distributions to the shares of each series being made on a pro rata basis.

Voting Rights

The holders of the shares of our Mandatory Convertible Preferred Shares are not entitled to any voting rights, except as required by applicable state law and as described below.

If the equivalent of six quarterly dividends payable on our Mandatory Convertible Preferred Shares, or any other class or series of preferred shares ranking equally with our Mandatory Convertible Preferred Shares as to the payment of dividends has not been paid, the number of directors on our board shall be increased by two, without duplication of any increase made pursuant to the terms of any other series of our preferred shares. The holders of our Mandatory Convertible Preferred Shares -- voting as a single class with the holders of shares of any other class of preferred shares ranking equally with our Mandatory Convertible Preferred Shares either as to dividends or distributions of assets and upon which like voting rights have been conferred and are exercisable -- will be entitled to elect two directors at any meeting of our shareholders at which directors are to be elected during the period their dividends remain in arrears. This voting right will continue until we have paid, or declared and set apart for payment, full cumulative dividends for all past periods on all of that class of preferred shares, and our Mandatory Convertible Preferred Shares.

We will not, without the approval of the holders of at least 66 2/3% of our Mandatory Convertible Preferred Shares then outstanding, amend any of the provisions of our charter so as to affect adversely the powers preferences, privileges or rights of the holders of our Mandatory Convertible Preferred Shares.

We will not, without the approval of the holders, voting together as a single class, of at least 66 2/3% of our Mandatory Convertible Preferred Shares then outstanding and all shares of any other series of our preferred shares ranking equally with our Mandatory Convertible Preferred Shares as to dividends

Edgar Filing: PHELPS DODGE CORP - Form 424B5

or upon dissolution:

- issue, authorize or increase the authorized amount of, or issue or authorize any obligation or security convertible into or evidencing a right to purchase, any share of any class ranking prior to our Mandatory Convertible Preferred Shares as to dividends or upon dissolution; or
- reclassify any of our authorized share into any share of any class, or any obligation or security convertible into or evidencing a right to purchase such share, ranking prior to our Mandatory Convertible Preferred Shares,

provided that no such vote will be required for us to take any of these actions to issue, authorize or increase the authorized amount of, or issue or authorize any obligation or security convertible into or evidencing a right to purchase, any share ranking equally with or junior to our Mandatory Convertible Preferred Shares.

Authorized Common Shares

We will at all times reserve and keep available out of our authorized and unissued common shares, solely for issuance upon the conversion of our Mandatory Convertible Preferred Shares, that number of our common shares as shall from time to time be issuable upon the conversion of all our Mandatory Convertible Preferred Shares then outstanding. Our Mandatory Convertible Preferred Shares converted into our common shares or otherwise reacquired by us shall resume the status of authorized and unissued preferred shares, undesignated as to series, and shall be available for subsequent issuance.

15

JUNIOR PARTICIPATING CUMULATIVE PREFERRED SHARES

General

In connection with the Rights Agreement, 400,000 Junior Participating Cumulative Preferred Shares have been reserved and authorized for issuance by our board of directors. No Junior Participating Cumulative Preferred Shares are outstanding as of the date of this prospectus. We summarize below all of the material features of our Junior Participating Cumulative Preferred Shares. The summary is not complete and is qualified in its entirety by all of the provisions of our Restated Certificate of Incorporation, as amended. That document is incorporated by reference as an exhibit to the registration statement that includes this prospectus, and we encourage you to read it.

Ranking

The Junior Participating Cumulative Preferred Shares shall rank junior to all other series of our preferred shares as to the payment of dividends and the distribution of assets, unless the terms of any such series shall provide otherwise.

Dividends and Distributions

Subject to the prior and superior rights of the holders of any share of any series of preferred shares ranking prior to and superior to the Junior Participating Cumulative Preferred Shares with respect to dividends, the holders of Junior Participating Cumulative Preferred Shares, in preference to the holders of common shares and of any other junior shares which may be outstanding, shall be entitled to receive, if declared by our board of directors out of funds legally available for that purpose, quarterly dividends payable in

Edgar Filing: PHELPS DODGE CORP - Form 424B5

cash, in an amount per share equal to the greater of (1) \$2.50 per share (\$10.00 per annum) and (2) subject to adjustment upon certain dilutive events, 100 times the aggregate per share amount of, with certain exceptions, all cash and non-cash dividends or other distributions, declared on the common shares, since the immediately preceding quarterly dividend payment date, or, with respect to the first quarterly dividend payment date, since the first issuance of any Junior Participating Cumulative Preferred Share.

If no dividend or distribution is declared on the common shares during the period between any quarterly dividend payment date and the next subsequent quarterly dividend payment date, a dividend of \$2.50 per share (\$10.00 per annum) on the Junior Participating Cumulative Preferred Shares will nevertheless be payable on such subsequent quarterly dividend payment date.

Voting Rights

The holders of Junior Participating Cumulative Preferred Shares will have the following voting rights:

- subject to adjustment upon certain dilutive events, each Junior Participating Cumulative Preferred Share shall entitle the holder to 100 votes (and each one two-hundredth of a Junior Participating Cumulative Preferred Share shall entitle the holder thereof to one-half of one vote) on all matters submitted to a vote of our shareholders; and
- except as otherwise provided by law, the holders of Junior Participating Cumulative Preferred Shares and the holders of common shares shall vote together as one class.

Liquidation, Dissolution or Winding Up

Upon our liquidation, dissolution or winding up, after distribution of the liquidation price to the holders of shares ranking senior as to distribution of assets to the Junior Participating Cumulative Preferred Shares, the holders of Junior Participating Cumulative Preferred Shares will be entitled to receive the greater of (1) \$100 per share and (2) an aggregate amount per share, subject to adjustment upon certain dilutive events, equal to 100 times the aggregate amount to be distributed per share to

16

holders of common shares; or a pro-rata portion of such amount if the assets are not sufficient to pay the full amount.

Consolidation, Merger, Etc.

In the event that we enter into any consolidation, merger, combination or other transaction in which our common shares are exchanged for or changed into other stock or securities, cash and/or any other property, each Junior Participating Cumulative Preferred Share shall at the same time be similarly exchanged or changed into an amount per share (subject to adjustment upon certain dilutive events) equal to 100 times the aggregate amount of the instrument into which or for which each common share is changed or exchanged.

Certain Restrictions

Whenever quarterly dividends or other dividends or distributions payable on the Junior Participating Cumulative Preferred Shares are in arrears, we will not:

- declare or pay dividends, or make any other distributions, other than in

Edgar Filing: PHELPS DODGE CORP - Form 424B5

common shares, on our common shares;

- purchase any Junior Participating Cumulative Preferred Shares, unless paid for with our common shares; or
- permit any entity controlled by us to purchase any of our common shares or Junior Participating Cumulative Preferred Shares;

until such accrued dividends and distributions are paid in full or an amount sufficient for such payment as been set aside.

Redemption

The shares of Junior Participating Cumulative Preferred Shares are not redeemable.

17

DESCRIPTION OF SHARE PURCHASE CONTRACTS AND SHARE PURCHASE UNITS

We summarize below the general terms and provisions of our share purchase contracts and share purchase units that may be offered by this prospectus. When we offer to sell a particular series of the share purchase contracts or share purchase units, we will describe the specific terms of the series in a supplement to this prospectus. The description in the applicable supplement to this prospectus will be a summary of all the material features of the share purchase contracts or share purchase units. Reference will be made to the share purchase contracts, and, if applicable, collateral arrangements and depository arrangements, relating to the share purchase contracts or share purchase units, which will be filed or incorporated by reference as exhibits to the registration statement that includes this prospectus, and we encourage you to read them.

We may issue and sell, from time to time, share purchase contracts, representing contracts obligating holders to purchase from us, and for us to sell to the holders, a specified number of our common shares and/or preferred shares at a future date or dates. The price per share of our common shares or preferred shares may be fixed at the time the share purchase contracts are issued or may be determined by reference to a specified formula set forth in the share purchase contracts. The share purchase contracts may be issued separately or as parts of units. The share purchase units will consist of the following:

- share purchase contract; and
- one or more of the following, each of which secures the holders' obligations to purchase the common shares and/or preferred shares under the share purchase contracts:
 - senior notes;
 - junior subordinated notes;
 - trust preferred securities; or
 - debt obligations of third parties, including U.S. treasury securities.

The share purchase contracts may require (1) us to make periodic payments to holders of the share purchase units or (2) the holders of the share purchase units to make periodic payments to us. The share purchase contracts may require holders to secure their obligations under the stock purchase contracts in a specified manner.

DESCRIPTION OF DEPOSITARY SHARES

We summarize below the general terms and provisions of the depositary shares that may be offered by this prospectus. When we offer to sell depositary shares, we will describe the particular terms of the depositary shares in a supplement to this prospectus. The description in the applicable supplement to this prospectus will be a summary of all the material features of the depositary shares. Reference will be made to the deposit agreement relating to such depositary shares. A copy of the form of deposit agreement will be filed with the SEC as an exhibit to a report on Form 8-K or by a post-effective amendment to the registration statement that includes this prospectus, and we encourage you to read them.

We may offer depositary shares representing receipts for fractional interests in senior debt securities, junior subordinated debt securities or preferred shares. In this case, we will issue receipts for depositary shares, each of which will represent a fraction of a senior debt security, junior subordinated debt security or share of a particular series of preferred shares, as the case may be.

We will deposit the senior debt securities, junior subordinated debt securities or shares of any series of preferred shares represented by depositary shares under a deposit agreement between us and a depositary which we will name in the applicable prospectus supplement. Subject to the terms of the deposit agreement, as an owner of a depositary share you will be entitled, in proportion to the applicable fraction of a senior debt security, junior subordinated debt security or preferred share represented by the depositary share, to all the rights and preferences of the senior debt security, junior subordinated debt security or preferred share, as the case may be, represented by the depositary share, including, as the case may be, interest, dividend, voting, redemption, sinking fund, repayment at maturity, subscription and liquidation rights.

INTEREST, DIVIDENDS AND OTHER DISTRIBUTIONS

The depositary will distribute all payments of interest, cash dividends or other cash distributions received on the senior debt securities, junior subordinated debt securities or preferred shares, as the case may be, to you in proportion to the number of depositary shares that you own.

In the event of a payment of interest or distribution other than in cash, the depositary will distribute property received by it to you in an equitable manner, unless the depositary determines that it is not feasible to make a distribution. In that case the depositary may sell the property and distribute the net proceeds from the sale to you.

REDEMPTION OF DEPOSITARY SHARES

If we redeem a series of senior debt securities, junior subordinated debt securities or preferred shares represented by depositary shares, the depositary will redeem your depositary shares from the proceeds received by the depositary resulting from the redemption. The redemption price per depositary share will be equal to the applicable fraction of the redemption price per senior debt security, junior subordinated debt security or preferred share, as the case may be, payable in relation to the redeemed series of senior debt securities, junior subordinated debt securities or preferred shares. Whenever we redeem senior debt securities, junior subordinated debt securities or preferred shares held by the depositary, the depositary will redeem as of the same redemption date the number of depositary shares representing, as the case may be, the senior debt securities, junior subordinated debt securities or preferred shares redeemed. If

Edgar Filing: PHELPS DODGE CORP - Form 424B5

fewer than all the depositary shares are to be redeemed, the depositary shares to be redeemed will be selected by lot, proportionately or by any other equitable method as the depositary may determine.

VOTING THE PREFERRED SHARES OR EXERCISE OF RIGHTS UNDER THE SENIOR INDENTURE OR THE SUBORDINATED INDENTURE

Upon receipt of notice of any meeting at which you are entitled to vote, or of any request for instructions or directions from you as holder of senior debt securities or junior subordinated debt securities, the depositary will mail to you the information contained in that notice. Each record holder of the depositary shares on the record date will be entitled to instruct the depositary how to vote the amount of the preferred shares represented by that holder's depositary shares or how to give instructions or directions

19

with respect to the senior debt securities or junior subordinated debt securities, as the case may be, represented by that holder's depositary shares. The record date for the depositary shares will be the same date as the record date for the preferred shares, senior debt securities or junior subordinated debt securities, as the case may be. The depositary will endeavor, to the extent practicable, to vote the amount of the preferred shares, or to give instructions or directions with respect to the senior debt securities or junior subordinated debt securities, as the case may be, represented by the depositary shares in accordance with those instructions. We will agree to take all reasonable action which the depositary may deem necessary to enable the depositary to do so. The depositary will abstain from voting the preferred shares or giving instructions or directions with respect to the senior debt securities or junior subordinated debt securities, as the case may be, if it does not receive specific instructions from you.

AMENDMENT AND TERMINATION OF THE DEPOSIT AGREEMENT

We and the depositary may amend the form of depositary receipt evidencing the depositary shares and any provision of the deposit agreement at any time. However, any amendment that materially and adversely alters the rights of the holders of the depositary shares will not be effective unless the amendment has been approved by the holders of at least a majority of the depositary shares then outstanding.

The deposit agreement will terminate if:

- all outstanding depositary shares have been redeemed; or
- there has been a final distribution in respect of the preferred shares, including in connection with our liquidation, dissolution or winding up, or a complete repayment or redemption of the senior debt securities or junior subordinated debt securities and the distribution, repayment or redemption proceeds, as the case may be, have been distributed to you.

RESIGNATION AND REMOVAL OF DEPOSITARY

The depositary may resign at any time by delivering to us notice of its election to do so. We also may, at any time, remove the depositary. Any resignation or removal will take effect upon the appointment of a successor depositary and its acceptance of such appointment. We must appoint the successor depositary within 60 days after delivery of the notice of resignation or removal. The successor depositary must be a bank or trust company having its principal office in the United States and having a combined capital and surplus of at least \$50,000,000.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

CHARGES OF DEPOSITARY

We will pay all transfer and other taxes and governmental charges arising solely from the existence of the depositary arrangements. We will pay charges of the depositary in connection with the initial deposit of the preferred shares, senior debt securities or junior subordinated debt securities, as the case may be, and issuance of depositary receipts, all withdrawals of preferred shares, senior debt securities or junior subordinated debt securities, as the case may be, by you and any repayment or redemption of the preferred shares, senior debt securities or junior subordinated debt securities, as the case may be. You will pay other transfer and other taxes and governmental charges, as well as the other charges that are expressly provided in the deposit agreement to be for your account.

MISCELLANEOUS

The depositary will forward all reports and communications from us which are delivered to the depositary and which we are required or otherwise determine to furnish to holders of senior debt securities, junior subordinated debt securities or preferred shares, as the case may be.

Neither we nor the depositary will be liable under the deposit agreement to you other than for the depositary's gross negligence, willful misconduct or bad faith. Neither we nor the depositary will be obligated to prosecute or defend any legal proceedings relating to any depositary shares, senior debt securities, junior subordinated debt securities or preferred shares unless satisfactory indemnity is furnished.

20

DESCRIPTION OF WARRANTS

We summarize below the general terms and provisions of the warrants that may be offered by this prospectus. When we offer to sell warrants, we will describe the particular terms of the warrants in a supplement to this prospectus. The description in the applicable supplement to this prospectus will be a summary of all of the material features of the warrants. Reference will be made to the warrant agreement and warrant certificate relating to such warrants. A copy of the form of warrant agreement will be filed with the SEC as an exhibit to a report on Form 8-K or by a post-effective amendment to the registration statement that includes this prospectus, and we encourage you to read them.

We may offer warrants, including warrants to purchase common shares, and warrants to purchase debt securities, as well as other types of warrants. We may issue the warrants independently or together with any other securities and the warrants may be attached to or separate from the other securities. The warrants are to be issued under warrant agreements to be entered into between us and a warrant agent, as shall be set forth in the prospectus supplement relating to the warrants being offered pursuant thereto.

The warrant agreement relating to any series of warrants will include the specific terms of the warrants. We will describe in a prospectus supplement some or all of the terms of the warrants being offered:

- the title and aggregate number of warrants;
- the price or prices at which the warrants will be issued;
- the currency or currency units or composite currencies in which the price for the warrants may be payable;

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- the designation and terms of the securities for which the warrants can be exercised and the price or the manner of determining the price and currency or other consideration to purchase the securities;
- the date on which the right to exercise the warrants begins and the date on which the right expires;
- if applicable, the maximum or minimum amount of warrants that may be exercised at any one time;
- if applicable, the date on which the warrants and the related securities will be separately transferable;
- any mandatory or optional redemption provision;
- the identity of the warrant agent;
- information with respect to book-entry procedures, if any; and
- any other terms of the warrants, including terms, procedures and limitations relating to the exchange and exercise of the warrants.

The warrants will be represented by certificates. The warrants may be exchanged under the terms outlined in the warrant agreement. We will not charge any service charges for any transfer or exchange of warrant certificates, but we may require payment for tax or other governmental charges in connection with the exchange or transfer. Unless the prospectus supplement states otherwise, until a warrant is exercised, a holder will not be entitled to any payments on or have any rights with respect to the securities issuable upon exercise of the warrant. The applicable prospectus supplement will describe all of the material United States federal income tax considerations applicable to the particular series of warrants being offered.

21

DESCRIPTION OF THE DEBT SECURITIES

We may offer unsecured general obligations, which may be senior debt securities or junior subordinated debt securities. The senior debt securities and the junior subordinated debt securities are together referred to in this prospectus as the "debt securities." The senior debt securities will have the same rank as all of our other unsecured, unsubordinated obligations. The junior subordinated debt securities will be subordinate and junior in right of payment to the extent and in the manner set forth in the subordinated indenture to all of our senior debt as defined below under "Description of the Debt Securities -- Provisions Applicable Only to Junior Subordinated Debt Securities -- Subordination."

We will issue senior debt securities in one or more series under an indenture, sometimes referred to as the senior indenture, dated as of September 22, 1997 between us and The Chase Manhattan Bank, as trustee. Pursuant to the Tripartite/Conversion Agreement, dated as of August 8, 2000, Wachovia Bank, National Association (formerly known as First Union National Bank) succeeded The Chase Manhattan Bank as trustee under the senior indenture. The junior subordinated debt securities will be issued under an indenture, sometimes referred to as the subordinated indenture, dated as of August 11, 2000 between us and Wachovia Bank, National Association (formerly known as First Union National Bank), as trustee.

We summarize below all of the material features of the debt securities. The

Edgar Filing: PHELPS DODGE CORP - Form 424B5

summary is not complete and is qualified in its entirety by all of the provisions of the indentures and the provisions of the Trust Indenture Act of 1939. The indentures are incorporated by reference as exhibits to the registration statement that includes this prospectus, and we encourage you to read them. You should also read the applicable prospectus supplement, which will contain additional information and may update or change some of the information below. References in parentheses below to sections or articles are to sections or articles of the indentures.

The debt securities will be issuable in one or more series pursuant to one or more indentures supplemental to the original indentures, or a resolution of our board of directors or a duly authorized committee of our board of directors. (Section 3.1 of each indenture.)

The indentures do not contain any covenants or provisions which may afford holders of debt securities protection in the event that we engage in a highly leveraged transaction or other transaction that may adversely affect the holders of the debt securities, including the incurrence or issuance of other secured or unsecured debt.

Most of our assets are owned by our subsidiaries and, accordingly, the debt securities are effectively subordinated to all existing and future liabilities of our subsidiaries. Our rights and the rights of our creditors, including holders of debt securities, to participate in any distribution of the assets of any subsidiary upon its liquidation, recapitalization or insolvency would be subject to the prior claims of the subsidiary's creditors, except to the extent that we might ourselves be a creditor with recognized claims against the subsidiary.

GENERAL TERMS OF THE DEBT SECURITIES

The aggregate principal amount of debt securities that we may issue under the indentures is unlimited. The debt securities may be issued in one or more series. You should refer to the applicable prospectus supplement for the specific terms of the debt securities, including the following:

- title and aggregate principal amount;
- indenture under which the debt securities are issued;
- any applicable subordination provisions;
- percentage or percentages of principal amount at which the debt securities will be issued and percentage or percentages of principal amount payable upon declaration of acceleration of the maturity of the debt securities;
- maturity date(s);
- interest rate(s) or the method for determining the interest rate(s);
- dates on which interest will accrue or the method for determining dates on which interest will accrue and dates on which interest will be payable;
- interest deferral provisions, if any;
- conversion or exchange provisions, if any;
- place or places where principal, premium and interest will be payable;

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- redemption or early repayment provisions;
- authorized denominations;
- amount of discount with which such debt securities will be issued;
- whether the debt securities will be issued in whole or in part in the form of one or more global securities;
- identity of the depositary for global securities;
- whether a temporary security is to be issued with respect to the debt securities and whether any interest payable prior to the issuance of definitive debt securities of the series will be credited to the account of the persons entitled thereto;
- the terms upon which beneficial interests in a temporary global debt security may be exchanged in whole or in part for beneficial interests in a definitive global debt security or for individual definitive debt securities and the terms upon which such exchanges may be made;
- currency, currencies or currency units in which the purchase price for, the principal of and any premium and any interest on, the debt securities will be payable;
- time period within which, the manner in which and the terms and conditions upon which the purchaser of the debt securities can select the payment currency;
- securities exchange(s) on which the debt securities will be listed, if any;
- additions to or changes in the events of default with respect to the debt securities and any change in the right of the trustee or the holders to declare the principal, premium and interest with respect to such debt securities to be due and payable; and
- additional terms not inconsistent with the provisions of the indentures.

One or more series of debt securities may be sold at a substantial discount below their stated principal amount, bearing no interest or interest at a rate which at the time of issuance is below market rates. One or more series of debt securities may be variable rate debt securities that may be exchanged for fixed rate debt securities. The applicable prospectus supplement will describe all of the material United States federal income tax considerations applicable to the particular series of debt securities being offered.

Debt securities may be issued where the amount of principal and/or interest payable is determined by reference to:

- the price of one or more commodities, derivatives or securities;
- one or more securities, derivatives or commodities exchange indices or other indices;
- a currency, currencies or any currency units other than the currency in which such debt securities are issued or other factors; or
- any other variable or the relationship between any variables or combination of variables.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

Holders of debt securities may receive a principal amount or a payment of interest that is greater than or less than the amount of principal or interest otherwise payable on such dates, depending upon the value

23

of the applicable currencies, commodities, securities, derivatives, indices or other factors. Information as to the methods for determining the amount of principal or interest, if any, payable on any date, and the currencies, commodities, securities, derivatives, indices or other factors to which the amount payable on such date is linked will be described in the applicable prospectus supplement.

The term "debt securities" includes debt securities denominated in U.S. dollars or, if specified in the applicable prospectus supplement, in any other freely transferable currency or units based on or relating to foreign currencies.

We expect most debt securities to be issued in fully registered form without coupons and in denominations of \$1,000 and any integral multiple of \$1,000. (Section 3.2 of each indenture.) Subject to the limitations provided in the indentures and in the prospectus supplement, debt securities which are issued in registered form may be registered, transferred or exchanged at the principal corporate trust office of the trustee or at the office or agency that we will maintain for such purpose in the Borough of Manhattan, The City of New York, without the payment of any service charge, other than any tax or other governmental charge payable in connection with the registration or transfer or exchange. (Sections 3.5 and 9.2 of each indenture.)

We may issue debt securities of any series in whole or in part in definitive form or in the form of one or more global debt securities as described below under "Global Securities." We may issue debt securities of a series at different times. In addition, we may issue debt securities within a series with terms different from the terms of other debt securities of that series. (Section 3.1(c) of each indenture.)

Subject to applicable law, we or any of our affiliates may at any time purchase or repurchase debt securities of any series in any manner and at any price. Debt securities of any series purchased by us or any of our affiliates may be held or surrendered by the purchaser of the debt securities for cancellation.

GLOBAL SECURITIES

We expect the following provisions to apply to all debt securities.

We may issue the debt securities of a series in whole or in part in the form of one or more global securities that will be deposited with, or on behalf of, a depository identified in the applicable prospectus supplement. We will issue global securities in registered form and in either temporary or definitive form. Unless and until it is exchanged in whole or in part for the individual debt securities, a global security may not be transferred except as a whole by the depository for such global security to a nominee of such depository or by a nominee of such depository to such depository or another nominee of such depository or by such depository or any such nominee to a successor of such depository or a nominee of such successor. (Section 2.4 of each indenture.)

The specific terms of the depository arrangement with respect to any debt securities of a series and the rights of and limitations upon owners of beneficial interests in a global security will be described in the prospectus supplement. We expect that the provisions set forth below will generally apply

to depositary arrangements.

Upon the issuance of a global security, the depositary for such global security or its nominee will credit, on its book-entry registration and transfer system, the respective principal amounts of the individual debt securities represented by such global security to the accounts of persons that have accounts with such depositary or its nominee. Such accounts shall be designated by the dealers, underwriters or agents with respect to the debt securities or by us if such debt securities are offered and sold directly by us. Ownership of beneficial interests in a global security will be limited to persons that have accounts with the applicable depositary, who are referred to in this prospectus as participants, or persons that may hold interests through participants. Ownership of beneficial interests in such global security will be shown on, and the transfer of that ownership will be effected only through, records maintained by the applicable depositary or its nominee with respect to interests of participants and the records of participants with respect to interests of persons other than participants. The laws of some states require that certain purchasers of securities

24

take physical delivery of such securities in definitive form. Such limits and such laws may impair the ability to transfer beneficial interests in a global security.

So long as the depositary for a global security, or its nominee, is the registered owner of a global security, such depositary or such nominee, as the case may be, will be considered the sole owner or holder of the debt securities represented by that global security for all purposes under the indenture governing those debt securities. Except as provided below, owners of beneficial interests in a global security will not be entitled to have any of the individual debt securities of the series represented by that global security registered in their names, will not receive or be entitled to receive physical delivery of any debt securities of such series in definitive form and will not be considered the owners or holders thereof under the indenture governing such debt securities.

Payments of principal, premium, if any, and interest, if any, on individual debt securities represented by a global security registered in the name of a depositary or its nominee will be made to the depositary or its nominee, as the case may be, as the registered owner of the global security representing the debt securities. Neither we, the trustee for the debt securities, any paying agent, nor the registrar for the debt securities will have any responsibility or liability for any aspect of the records relating to or payments made by the depositary or any participants on account of beneficial ownership interests in the global security for the debt securities or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

We expect that the depositary for a series of debt securities or its nominee, upon receipt of any payment of principal, premium or interest in respect of a permanent global security representing the debt securities, will immediately credit participants' accounts with payments in amounts proportionate to their respective beneficial interests in the principal amount of such global security for the debt securities as shown on the records of the depositary or its nominee. We also expect that payments by participants to owners of beneficial interests in a global security held through such participants will be governed by standing instructions and customary practices, as is now the case with securities held for the accounts of customers in bearer form or registered in "street name." Such payments will be the responsibility of such participants.

If the depositary for a series of debt securities notifies us at any time

Edgar Filing: PHELPS DODGE CORP - Form 424B5

that it is unwilling, unable or ineligible to continue as depositary and a successor depositary is not appointed by us within 90 days, we will issue definitive debt securities of that series in exchange for the global security or securities representing that series of debt securities. In addition, we may at any time and in our sole discretion, subject to any limitations described in the prospectus supplement relating to the debt securities, determine not to have any debt securities of a series represented by one or more global securities, and, in such event, will issue definitive debt securities of that series in exchange for the global security or securities representing that series of debt securities. If definitive debt securities are issued, an owner of a beneficial interest in a global security will be entitled to physical delivery of definitive debt securities of the series represented by that global security equal in principal amount to that beneficial interest and to have the debt securities registered in its name. Definitive debt securities of any series so issued will be issued in denominations, unless otherwise specified by us, of \$1,000 and integral multiples of \$1,000. (Section 3.5 of each indenture.)

REDEMPTION OF DEBT SECURITIES

If the debt securities of a series provide for redemption at our election, unless otherwise provided in the applicable prospectus supplement, such redemption shall be on not less than 30 nor more than 60 days' notice and, in the event of redemption in part, the debt securities to be redeemed will be selected by the trustee by such method as it shall deem fair and appropriate. Notice of such redemption will be mailed to holders of debt securities of such series to their last addresses as they appear on the register of the debt securities of such series. (Sections 1.6, 10.3 and 10.4 of each indenture.)

25

EVENTS OF DEFAULT, NOTICE AND WAIVER

Each indenture provides that, if an event of default in respect of any series of debt securities shall have occurred and be continuing, either the trustee or the holders of at least 25% in aggregate principal amount of the outstanding debt securities of that series may declare the principal (or a portion thereof in the case of certain debt securities issued with original issue discount or indexed debt securities) and accrued interest of all the debt securities of that series to be due and payable, by written notice to us (and by written notice to the trustee if given by the holders). The consequence of this action is that the principal and accrued interest of the debt securities shall be immediately due and payable by us. (Section 5.2 of each indenture.)

Each indenture defines events of default in respect of any series of debt securities as:

- default for 30 days in payment of any interest installment or additional amount when due;
- default in payment of the principal of or any premium on or any mandatory sinking fund payment with respect to debt securities of such series when due;
- failure to comply with certain obligations for 60 days after written notice of non-compliance to us by the trustee or the holders of at least 25% in principal amount of the outstanding debt securities of such series;
- our commencement of a voluntary case under Title 11 of the U.S. Code or any similar federal or state bankruptcy law;

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- our consent to the entry of an order for relief against us in an involuntary case under any such law or to the appointment of a receiver, trustee, assignee, liquidator or similar official under any such law;
- a general assignment by us for the benefit of our creditors under any such law;
- the entry by a court of competent jurisdiction of an order or decree granting relief against us in an involuntary case under any such law where such order or decree remains unstayed and in effect for 60 days;
- the entry by a court of competent jurisdiction of an order or decree appointing a receiver, trustee, assignee, liquidator or similar official for us or for substantially all of our property where such order or decree remains unstayed and in effect for 60 days; and
- any other event of default provided for in the indenture with respect to the debt securities of such series.

(Section 5.1 of each indenture.)

The Trust Indenture Act of 1939 and Section 6.6 of each indenture provide that the trustee will, within 90 days after the occurrence of a default in respect of any series of debt securities, give to the holders of that series written notice of all uncured and unwaived defaults known to it; provided that, except in the case of default in the payment of the principal of, premium on, if any, or interest on, if any, or any sinking fund installment or analogous obligation with respect to, any of the debt securities of that series, the trustee will be protected in withholding such notice if it in good faith determines that the withholding of such notice is in the interest of the holders of that series. "Default" means any event which is, or after notice or passage of time or both would be, an event of default with respect to debt securities of such series.

Each indenture provides that the holders of a majority in aggregate principal amount of the outstanding debt securities of any series may, subject to limitations, direct the time, method and place of conducting proceedings for any remedy available to the trustee, or exercising any trust or power conferred on the trustee, in respect of the debt securities of that series. (Section 5.8 of each indenture.)

26

Each indenture includes a covenant that we will file annually with the trustee a certificate of compliance with all conditions and covenants under each indenture. (Section 9.7 of each indenture.)

In certain cases, the holders of a majority in aggregate principal amount of the outstanding debt securities of a series may, by providing written notice to the trustee on behalf of the holders of all debt securities of that series, waive any past default or event of default, except for defaults or events of default not already cured in the payment of the principal of, or premium, if any, or interest on any of the debt securities of that series or any coupon related to such debt securities or compliance with certain covenants or provisions. (Section 5.7 of each indenture.)

CERTAIN COVENANTS OF PHELPS DODGE

Limitation on Liens

Each indenture provides that we will not, and will not permit certain of

Edgar Filing: PHELPS DODGE CORP - Form 424B5

our subsidiaries to, (a) issue, assume or guarantee any debt for money borrowed if such debt is secured by a mortgage upon, or (b) secure any outstanding debt by a mortgage upon, certain of the principal properties that we now or may own without providing that the debt securities offered under this prospectus are secured equally with such debt, except that these restrictions shall not apply to:

- mortgages on any principal property acquired, constructed or improved after the date of the indenture to secure or provide for the payment of the related purchase price or cost;
- mortgages on any principal property acquired in connection with a merger;
- mortgages to secure debt of a restricted subsidiary owed to us or another restricted subsidiary;
- any extension, renewal or replacement of any mortgage referred to above;
- the sale or other transfer of any interest in property commonly referred to as a "production payment"; and
- mortgages in favor of governmental bodies to secure advance or progress payments under any contract or statute or debt incurred for the purpose of financing the purchase price or cost of constructing or improving the related property subject.

(Section 9.9 of each indenture.)

Notwithstanding the foregoing, we and our subsidiaries may, without securing the debt securities, issue, assume or guarantee secured debt which would otherwise be subject to the foregoing restrictions in an aggregate amount which, together with all other such debt of ours and our subsidiaries and the rental payments related to sale and lease-back transactions (other than sale and lease-back transactions in which the property involved would have been permitted to be mortgaged under the preceding paragraph or the proceeds of which have been applied to the retirement of long-term debt), does not at the time exceed 15% of our consolidated shareholders' equity. (Section 9.9 of each indenture.)

Sale and Lease-Back Transactions

Sale and lease-back transactions by us or certain of our subsidiaries are prohibited unless the proceeds of such transaction are at least equal to the fair value of the property leased and either (i) we or the restricted subsidiary would be entitled to incur debt secured by a mortgage on the property to be leased without equally securing the debt securities or (ii) we apply an amount equal to the fair value of the property leased to the retirement of our long-term debt. Sale and lease-back transactions do not include arrangements with governmental bodies entered into for the purpose of financing the purchase price or the cost of constructing or improving the property subject to such arrangements. (Section 9.10 of each indenture.)

Notwithstanding the preceding paragraph, we and our subsidiaries may enter into any sale and lease-back transaction which would otherwise be subject to the foregoing restrictions if the amount of the rental

payments related to such transaction, together with all secured debt of ours and our restricted subsidiaries and all other rental payments related to sale and lease-back transactions (other than sale and lease-back transactions permitted because we would be entitled to incur debt secured by a mortgage on the property

Edgar Filing: PHELPS DODGE CORP - Form 424B5

to be leased without equally securing the debt securities, and other than sale and lease-back transactions the proceeds of which have been applied in accordance with clause (ii) of the preceding paragraph), does not at the time exceed 15% of our consolidated shareholders' equity. (Section 9.10 of each indenture.)

MODIFICATION OF THE INDENTURES

Each indenture contains provisions permitting us and the trustee to enter into one or more supplemental indentures without the consent of the holders of any of the debt securities in order to:

- evidence the succession of another corporation to us and the assumption of our covenants and obligations by our successor;
- add to our covenants for the benefit of the holders of debt securities or surrender any of our rights or powers;
- add additional events of default with respect to any series of debt securities;
- add to or change any provisions of the indenture to such extent as necessary to facilitate the issuance of debt securities in bearer form or to facilitate the issuance of debt securities in global form;
- change or eliminate any provision of the indenture if such change or elimination does not affect any series of debt securities created prior to the execution of any such supplemental indenture that is entitled to the benefit of such provision;
- secure the debt securities;
- establish the form or terms of debt securities;
- evidence and provide for successor trustees and/or to add to or change any provisions of the indenture to such extent as necessary to provide for or facilitate the appointment of a separate trustee or trustees for specific series of debt securities;
- permit payment of principal, premium or interest in respect of debt securities in bearer form or coupons, if any, in the United States and other areas subject to its jurisdiction; or
- correct or supplement any inconsistent provisions or make any other provisions with respect to matters or questions arising under the indenture, provided that any such action does not adversely affect the interests of any holder of debt securities of any series. (Section 8.1 of each indenture.)

Each indenture also contains provisions permitting us and the trustee, with the consent of the holders of not less than a majority of the aggregate principal amount of the outstanding debt securities of the affected series, to execute supplemental indentures adding any provisions to or changing or eliminating any of the provisions of the indenture or modifying the rights of the holders of debt securities of that series. No supplemental indenture may, without the consent of the holders of all of the affected debt securities, among other things:

- change the maturity of any debt securities;
- change the currency in which such debt securities are payable;

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- reduce the principal amount thereof or the rate of interest thereon or any premium payable upon the redemption thereof;
- change the manner in which the amount of any principal thereof or premium, if any, or interest thereon is determined;

28

- impair the right to institute suit for the enforcement of any payment on such debt securities at maturity or upon redemption;
- reduce the percentage of the outstanding principal amount of debt securities the holders of which must consent to any such supplemental indenture;
- modify the indenture provisions concerning modification of the indenture or the waiver of past defaults or specified covenants other than to increase the required percentage to effect a modification or provide that additional provisions may not be waived without the consent of each holder of that series of debt securities; or
- in the case of the subordinated indenture, modify the subordination provisions thereof in a manner adverse to the holders of junior subordinated debt securities then outstanding. (Section 8.2 of each indenture.)

SATISFACTION AND DISCHARGE OF THE INDENTURES; DEFEASANCE AND COVENANT DEFEASANCE

Each indenture shall generally cease to be of any further effect with respect to a series of debt securities when:

- we have delivered to the trustee for cancellation all debt securities of that series; or
- all debt securities of that series not theretofore delivered to the trustee for cancellation shall have become due and payable, or are by their terms to become due and payable within one year or are to be called for redemption within one year, and we shall have deposited with the trustee as trust funds the entire amount sufficient to pay at maturity or upon redemption all debt securities of that series (and if, in either case, we shall also pay or cause to be paid all other sums payable under the indenture by us in respect of all debt securities of that series and deliver to the trustee an officers' certificate and an opinion of counsel, each stating that all conditions precedent in the indenture have been complied with) and we shall have made any other payments due under the indenture and delivered to the trustee an officer's certificate and opinion of counsel saying that we have fulfilled each of the conditions mentioned above. (Section 4.1 of each indenture.)

The trustee shall hold in trust all money deposited with it as described above and shall apply the deposited money, in accordance with the provisions of the debt securities of the defeased series and the indenture, to the payment, either directly or through any paying agent, as the trustee may determine, to the persons entitled thereto, of principal, premium, if any and any interest for whose payment such money has been deposited with or received by the trustee. (Section 4.2 of each indenture.)

The indenture provides, unless the terms of the particular series of debt securities provide otherwise, that:

- we may elect to be discharged from our obligations with respect to any

Edgar Filing: PHELPS DODGE CORP - Form 424B5

debt securities or series of debt securities, which we refer to as "defeasance;" and/or

- we may elect to be released from our obligations under any covenants described in any prospectus supplement or included in any supplemental indenture with respect to any debt securities or series of debt securities, which we refer to as "covenant defeasance."

In connection with any defeasance or covenant defeasance, we must irrevocably deposit with the trustee of the indenture, in trust, money and/or government obligations which, through the scheduled payment of principal and interest on those obligations, would provide sufficient moneys to pay all amounts due on the debt securities on the maturity dates or upon redemption and by any mandatory sinking fund or analogous payments thereon. In connection with any defeasance or covenant defeasance, we must also deliver to the trustee an opinion of counsel to the effect that the holders of the debt securities will not recognize income gain or loss for United States federal income tax purposes as a result of the defeasance or covenant defeasance and will be subject to United States federal income tax on the same amounts, in the same manner and at the same times as would have been the case if the defeasance or covenant

29

defeasance had not occurred. In the case of defeasance, the opinion of counsel must refer to and be based upon a letter ruling of the Internal Revenue Service received by the issuing company or published by the Internal Revenue Service or a change in applicable United States federal income tax law occurring after the date of the indenture. In addition, defeasance or covenant defeasance shall not result in a breach or default or event of default under the indenture or a default under any other material agreement or instrument to which we are a party or by which we are bound.

Upon a defeasance, the following rights and obligations will continue: (1) the rights of the holders of debt securities of any series to receive from the defeasance trust any amounts due on the debt securities when payments are due; (2) our obligations regarding the registration, transfer and exchange of debt securities of any series; (3) our obligation to maintain an office or agency in each place of payment; and (4) the survival of the indenture trustee's rights, powers, trusts, duties and immunities under the indenture.

The indenture permits defeasance with respect to any debt securities of a series even if a prior covenant defeasance has occurred with respect to the debt securities of that series. If we exercise our defeasance option, payment of such debt securities may not be accelerated because of an event of default. If we exercise our covenant defeasance option, payment of the debt securities may not be accelerated because of an event of default with respect to the covenants affected by the covenant defeasance. However, if an acceleration were to occur by reason of another event of default, the realizable value at the acceleration date of the money and government obligations in the defeasance trust could be less than the amounts then due on the debt securities, since the required deposit in the defeasance trust would be based upon scheduled cash flows rather than market value, which would vary depending upon interest rates and other factors. (Sections 4.3, 4.4, 4.5 and 4.6 of each indenture)

RECORD DATES

We will generally be entitled to set any date as the record date for the purpose of determining the holders of debt securities entitled to give or take any action under either indenture in the manner specified in such indenture. If a record date is set, action may only be taken by persons who are holders of debt securities on the record date. Also, unless otherwise specified in the

Edgar Filing: PHELPS DODGE CORP - Form 424B5

prospectus supplement applicable to a series of debt securities, to be effective, any action must become effective under the applicable indenture within six months of the record date. (Section 1.4(f) of each indenture.)

NOTICE

Notices to holders of debt securities will be given by mail to the addresses of holders appearing in the applicable securities register. We and the trustee may treat the person in whose name a debt security is registered as the owner thereof for all purposes. (Sections 1.6 and 3.8 of each indenture.)

GOVERNING LAW

Each indenture and the debt securities will be governed by, and construed in accordance with, the laws of the State of New York. (Section 1.11 of each indenture.)

CONSOLIDATION, MERGER OR TRANSFER OF ASSETS

Each indenture provides that we may not merge or consolidate with or into any other corporation or other entity or lease or transfer all or substantially all of our assets, unless:

- the entity formed by or surviving such consolidation or merger or to which the lease or transfer is made is a corporation organized under the laws of the United States, any state thereof or the District of Columbia; and
- immediately after giving effect to such transaction, no default or event of default exists.

We must deliver to the trustee prior to such transaction an officer's certificate to the foregoing effect and an opinion of counsel stating that such transaction and supplemental indenture complies with the

30

indenture and that all conditions precedent under the indenture to the consummation of such transaction have been met.

Upon any such consolidation, merger or transfer, the successor corporation formed by such consolidation or into which we are merged or to which such transfer is made shall succeed to and be substituted for us under the indenture. (Section 7.1 of each indenture.)

CONCERNING THE TRUSTEES

Wachovia Bank, National Association, which is the senior indenture trustee under the senior indenture and the subordinated indenture trustee under the subordinated indenture, also serves as the property trustee for each trust and the guarantee trustee under each preferred securities guarantee described below. It is an affiliate of Wachovia Trust Company, National Association, which serves as the Delaware trustee for each trust.

We may from time to time maintain credit facilities and have other customary banking relationships with Wachovia Bank, National Association.

PROVISIONS APPLICABLE ONLY TO SENIOR DEBT SECURITIES

Ranking

Edgar Filing: PHELPS DODGE CORP - Form 424B5

Senior debt securities will be direct, unconditional and unsecured obligations of our company and, except for certain debts required to be preferred by law will rank equal among themselves and equally with all of our other unsecured and unsubordinated obligations. The senior debt securities will rank senior to our subordinated obligations, including any subordinated debt securities.

PROVISIONS APPLICABLE ONLY TO JUNIOR SUBORDINATED DEBT SECURITIES

Subordination

In the subordinated indenture, we have agreed that any junior subordinated debt securities issued thereunder are subordinated in right of payment to all senior indebtedness, as defined below, to the extent provided in the subordinated indenture.

In the event of any:

- insolvency, bankruptcy, receivership, liquidation, reorganization, readjustment, composition or other similar proceeding relating to us, our creditors or our property;
- any proceeding for our liquidation, dissolution or other winding up, voluntary or involuntary, whether or not involving insolvency or bankruptcy proceedings;
- any assignment by us for the benefit of creditors; or
- any other marshalling of our assets.

The holders of senior indebtedness will be entitled to receive payment in full on such senior indebtedness before the holders of junior subordinated debt securities will be entitled to receive or retain any payment on the junior subordinated debt securities. (Section 12.3 and 12.5 of the subordinated indenture.)

No payments on account of the junior subordinated debt securities or interest thereon may be made if:

- we default in any payment with respect to senior indebtedness; or
- an event of default occurs with respect to any senior indebtedness resulting in the acceleration of the maturity of the senior indebtedness.

For purposes of the subordination provisions, the payment, issuance and delivery of cash, property or securities, other than shares and certain of our subordinated securities, upon conversion of any junior

31

subordinated debt security will be deemed to constitute payment on account of the principal of such junior subordinated debt security. (Section 12.13 of the subordinated indenture.)

When we use the term "senior indebtedness" we mean the principal, premium, if any, and interest on:

- all of our indebtedness, whether outstanding on the date of the subordinated indenture or thereafter created, incurred or assumed, that is for borrowed money, or evidenced by a note or similar instrument given in connection with the acquisition of any business, properties or assets, including securities;

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- any indebtedness of any other person of the kind described in the preceding bullet for the payment of which we are responsible or liable as guarantor or otherwise; and
- amendments, renewals, extensions and refundings of any such indebtedness;

provided, however, that senior indebtedness does not include indebtedness incurred for the purchase of goods or materials or for services obtained in the ordinary course of business or any indebtedness which by its express terms is equal with or subordinated to the junior subordinated debt securities. (Section 12.2 of the subordinated indenture.)

The subordinated indenture provides that the foregoing subordination provisions, insofar as they relate to any particular issue of junior subordinated debt securities, may be changed prior to such issuance. Any such change would be described in the prospectus supplement relating to such junior subordinated debt securities. (Section 3.1 of the subordinated indenture.)

32

DESCRIPTION OF THE PREFERRED SECURITIES

The preferred securities of each trust will be issued pursuant to a trust agreement for that trust, as subsequently amended and restated, among us, the issuer of the related junior subordinated debt securities, Wachovia Bank, National Association, as the property trustee, and Wachovia Trust Company, National Association, as the Delaware trustee, the three administrative trustees and the holders from time to time of the applicable trust's preferred and common securities. We summarize below all of the material features of the preferred securities. The summary is not complete and is qualified in its entirety by all of the provisions of the applicable trust agreements and forms of each amended and restated trust agreement. Those documents are filed or incorporated by reference as exhibits to the registration statement that includes this prospectus, and we encourage you to read them. You also may request a copy of the trust agreements from the property trustee at its corporate trust office in New York, New York. Each trust agreement will be qualified under the Trust Indenture Act of 1939. The terms of the preferred securities of each trust will include those stated in the applicable trust agreement and those made part of the trust agreement by reference to the Trust Indenture Act. The amended and restated trust agreement for each trust will be executed at the time the trust issues any preferred securities and will be filed with the SEC as an exhibit to a report on Form 8-K or by a post-effective amendment to the registration statement that includes this prospectus. You should also read the applicable prospectus supplement, which will contain additional information and may update or change some of the information below.

GENERAL

The trust agreement for each trust authorizes the administrative trustees to issue on behalf of the trust preferred securities that have the terms described in this prospectus and in the applicable prospectus supplement. The preferred securities will represent undivided beneficial interests in the assets of the applicable trust. The proceeds from the sale of each trust's preferred and common securities will be used by the trust to purchase a series of junior subordinated debt securities that we issue. The junior subordinated debt securities will be held in trust by the property trustee for the benefit of the holders of the preferred and common securities of the applicable trust.

The terms of the preferred securities of each trust will mirror the terms of the junior subordinated debt securities held by the applicable trust. If

Edgar Filing: PHELPS DODGE CORP - Form 424B5

interest payments on the junior subordinated debt securities held by the applicable trust are deferred as described below, distributions on the preferred securities will also be deferred. The assets of the trust available for distribution to the holders of its preferred securities generally will be limited to payments under the series of junior subordinated debt securities held by the trust.

Under the preferred securities guarantee for each trust, we will agree to make payments of distributions and payments on redemption or liquidation with respect to the trust's preferred securities, but only to the extent the trust has funds available to make those payments and has not made the payments. Our obligations under the applicable preferred securities guarantee, trust agreement, subordinated indenture and related junior subordinated debt securities will provide a full, irrevocable and unconditional commitment by us regarding amounts due on the preferred securities issued by each trust.

The prospectus supplement relating to the preferred securities of each trust will describe some or all of the following terms of the preferred securities:

- the name of the preferred securities;
 - the dollar amount and number of preferred securities issued;
 - the annual distribution rate, or method of determining the rate, of distributions on the preferred securities, and date or dates from which any distributions will accrue;
 - the payment date and the record date used to determine the holders who are to receive distributions on the preferred securities;
- 33
- the right, if any, to defer distributions on the preferred securities upon extension of the interest payment periods of the related junior subordinated debt securities;
 - the applicable trust's obligation, if any, to redeem or purchase the preferred securities and the terms and conditions on which the preferred securities may be redeemed or purchased pursuant to any obligation;
 - the terms and conditions, if any, on which the preferred securities may be redeemed at the applicable trust's option or at the option of the holders;
 - the terms and conditions, if any, on which preferred securities may be converted or exchanged;
 - the terms and conditions, if any, upon which the related junior subordinated debt securities may be distributed to holders of the preferred securities;
 - the voting rights, if any, of the holders of the preferred securities;
 - whether the preferred securities are to be issued in book-entry form and represented by one or more global securities and, if so, the depository and any provisions for the transfer or exchange of the global securities, if different from those described below under "-- Global Securities"; and
 - any other relevant rights, preferences, privileges, limitations or restrictions of the preferred securities.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

The applicable prospectus supplement will describe all of the material United States federal income tax considerations applicable to the particular series of preferred securities being offered.

GLOBAL SECURITIES

We may issue the preferred securities of a series in whole or in part in the form of one or more global securities that will be deposited with, or on behalf of, a depository identified in the applicable prospectus supplement. We will issue global securities in registered form and in either temporary or definitive form.

The specific terms of the depository arrangement with respect to any preferred securities of a series and the rights and limitations upon owners of beneficial interest in a global security will be described in the prospectus supplement. We expect that the provisions set forth below will generally apply to depository arrangements.

Upon the issuance of a global security, the depository for such global security will credit, on its book-entry registration and transfer system, the respective principal amounts of the individual preferred securities represented by the global security to the accounts of persons that have accounts with such depository or its nominee. Such accounts shall be designated by the dealers, underwriters or agents with respect to the preferred securities or by the applicable trust, if the preferred securities are offered and sold directly by the trust. Ownership of beneficial interests in such global security will be limited to persons that may hold interests through participants.

Ownership of beneficial interests by participants in such global security will be shown on, and the transfer of any ownership interest will be effected only through, records maintained by the applicable depository or its nominee with respect to interests of participants and the records of participants with respect to interests of persons other than participants. The laws of some states require that certain purchasers of securities take physical delivery of such securities in definitive form. Such limits and such laws may impair the ability to transfer beneficial interests in a global security.

So long as the depository for a global security, or its nominee, is the registered owner of a global security, such depository or such nominee, as the case may be, will be considered the sole owner or holder of the preferred securities represented by a global security for all purposes under the applicable trust agreement. Except as set forth below, owners of beneficial interests in a global security will not be entitled to have the individual preferred securities represented by that global security registered in their names, will

34

not receive or be entitled to receive physical delivery of the preferred securities in definitive form and will not be considered the owners or holders of the preferred securities under the applicable trust agreement.

Payments on individual preferred securities represented by a global security registered in the name of a depository or its nominee will be made to the depository or its nominee, as the case may be, as the registered owner of the global security representing the preferred securities. None of us, the trusts, the property trustee, the Delaware trustee, any administrative trustee, any paying agent or the registrar and transfer agent for the preferred securities will have any responsibility or liability for any aspect of the records relating to, or payments made by the depository or any participants on

Edgar Filing: PHELPS DODGE CORP - Form 424B5

account of, such beneficial ownership interests in the global security for the preferred securities or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

We expect that a depository for the preferred securities of a series or its nominee, upon receipt of any payments in respect of a permanent global security representing the preferred securities, will immediately credit participants' accounts with payment in amounts proportionate to their respective beneficial interests in the principal amount of such global security for the preferred securities as shown on the records of the depository or its nominee. We also expect that payments by participants to owners of beneficial interests in a global security held through such participants will be governed by standing instructions and customary practices, as is now the case with securities held for the accounts of customers in bearer form or registered in "street name," Such payment will be the responsibility of such participants.

If a depository for the preferred securities of a series notifies us at any time that it is unwilling, unable or ineligible to continue as depository and a qualified successor depository is not appointed by the administrative trustees within 90 days, the applicable trust will issue definitive preferred securities in exchange for the global security or securities representing the preferred securities. In addition, the administrative trustees may, at any time, and in their sole discretion, subject to any limitations described in the prospectus supplement relating to the preferred securities, determine not to have any preferred securities represented by one or more global securities and, in such event, the applicable trust will issue definitive preferred securities in exchange for the global security or securities representing the preferred securities. If definitive preferred securities are issued, an owner of a beneficial interest in a global security will be entitled to physical delivery of definitive preferred securities represented by the global security equal in principal amount to that beneficial interest and to have the preferred securities registered in its name.

LIQUIDATION DISTRIBUTION UPON DISSOLUTION

Unless otherwise specified in an applicable prospectus supplement, each trust agreement will provide that the trust will be dissolved:

- upon the expiration of the term of the trust;
- upon our bankruptcy, dissolution or liquidation;
- upon our direction to the property trustee to dissolve the trust and distribute the related junior subordinated debt securities directly to the holders of the preferred and common securities of the trust;
- upon the redemption of all of the common and preferred securities of the trust in connection with the redemption of all of the related junior subordinated debt securities; or
- upon entry of a court order for the dissolution of the trust.

Unless otherwise specified in an applicable prospectus supplement, in the event of a dissolution as described above other than in connection with redemption, after the trust satisfies all liabilities to its

creditors as provided by applicable law, each holder of the preferred or common securities of a trust will be entitled to receive:

Edgar Filing: PHELPS DODGE CORP - Form 424B5

- the related junior subordinated debt securities in an aggregate principal amount equal to the aggregate liquidation amount of the preferred or common securities held by the holder; or
- if any distribution of the related junior subordinated debt securities is determined by the property trustee not to be practical, cash equal to the aggregate liquidation amount of the preferred or common securities held by the holder, plus accumulated and unpaid distributions to the date of payment.

If a trust cannot pay the full amount due on its preferred and common securities because insufficient assets are available for payment, then the amounts payable by the trust on its preferred and common securities will be paid on a pro rata basis. However, if an event of default under the subordinated indenture has occurred and is continuing with respect to any related junior subordinated debt securities, the total amounts due on the preferred securities of the trust will be paid before any distribution on the common securities of the trust is made.

EVENTS OF DEFAULT

The following will be events of default under each trust agreement:

- an event of default under the subordinated indenture occurs with respect to any related junior subordinated debt securities;
- the trust fails to pay any redemption price on any preferred securities on its due date;
- the trust fails to pay any distribution on the preferred securities within 30 days from its due date;
- the trustees fail to perform any of the covenants in the trust agreement, other than the covenants in the two prior bullet points, for 30 days after the holders of at least 25% of the aggregate liquidation amount of the outstanding preferred securities give us and the trustees written notice of the default and require that they remedy the breach (however, the 30-day period may be extended by the holders of at least the same aggregate liquidation amount of the outstanding preferred securities that had initially given notice of the default); or
- the property trustee files for bankruptcy or other events of bankruptcy, insolvency or reorganization occur with respect to the property trustee and a successor property trustee is not appointed within 90 days.

If an event of default with respect to related junior subordinated debt securities occurs and is continuing under the subordinated indenture, and the subordinated indenture trustee or the holders of not less than 25% in principal amount of the related junior subordinated debt securities outstanding fail to declare the unpaid principal of and all other amounts with respect to all of the related junior subordinated debt securities to be immediately due and payable, the holders of at least 25% in aggregate liquidation amount of the outstanding preferred securities will have the right to declare the unpaid principal of and all other amounts with respect to the related junior subordinated debt securities immediately due and payable by providing notice to Phelps Dodge, the property trustee and the subordinated indenture trustee.

At any time after a declaration of acceleration has been made with respect to a series of related junior subordinated debt securities and before a judgment or decree for payment of the money due has been obtained, the holders of a majority in aggregate liquidation amount of the preferred securities may rescind

any declaration of acceleration with respect to the related junior subordinated debt securities and its consequences:

- if we deposit with the subordinated indenture trustee funds sufficient to pay all overdue principal of and premium, interest and additional amounts on the related junior subordinated debt securities and any other amounts due to the subordinated indenture trustee and the property trustee; and
- if all existing events of default with respect to the related junior subordinated debt securities have been cured or waived except non-payment of principal on the related junior subordinated debt securities that has become due solely because of the acceleration.

The holders of a majority in liquidation amount of the preferred securities of a trust may waive any past default under the subordinated indenture with respect to the related junior subordinated debt securities, other than a default in any payment on any related junior subordinated debt securities or a default with respect to a covenant or provision that cannot be amended or modified without the consent of the holder of each outstanding related junior subordinated debt security affected. In addition, the holders of at least a majority in liquidation amount of the preferred securities of a trust may waive any past default under the trust agreement.

The holders of a majority in liquidation amount of the preferred securities of a trust shall have the right to direct the time, method and place of conducting any proceedings for any remedy available to the property trustee or to direct the exercise of any trust or power conferred on the property trustee under the applicable trust agreement.

A holder of preferred securities of a trust may institute a legal proceeding directly against us without first instituting a legal proceeding against the property trustee or any other person or entity, for enforcement of payment to the holder of the principal of and any premium, interest or additional amounts on related junior subordinated debt securities having a principal amount equal to the aggregate liquidation amount of the preferred securities of the holder if we fail to pay any amounts on the related junior subordinated debt securities when payable. We and the subordinated indenture trustee may not amend or modify the subordinated indenture to eliminate the preferred securities holders' right to institute a direct legal action without the consent of the holders of each outstanding preferred security.

NOTICE OF DEFAULT

If an event occurs which is or would become an event of default with respect to any preferred securities, and the property trustee knows of the event, the property trustee shall mail to the holders of the affected preferred securities a notice of the default within 90 days, unless the default has been cured or waived by the holders of the affected preferred securities. However, except in the case of a default in the payment of any amounts due on preferred securities, the property trustee may withhold the notice if and so long as the directors and/or responsible officers of the property trustee determine in good faith that withholding the notice is in the interest of the holders of the affected preferred securities.

We and the administrative trustees of each trust are required to furnish annually to the property trustee an officers' certificate to the effect that, to the best knowledge of the officers providing the certificate, it is not in default under the applicable trust agreement or, if there has been a default, specifying the default and its status.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

CONSOLIDATION, MERGER OR AMALGAMATION OF THE TRUST

None of the trusts may consolidate or merge with or into, or be replaced by or convey, transfer or lease its properties and assets substantially as an entirety to any entity, except as described below. A trust may, without the consent of the holders of the outstanding preferred securities, consolidate or merge with

37

or into, or be replaced by or convey, transfer or lease its properties and assets substantially as an entirety to a trust organized under the laws of any state if:

- the successor entity either:
 - expressly assumes all of the obligations of the trust relating to its preferred securities; or
 - substitutes for the trust's preferred securities other securities having substantially the same terms as the preferred securities, so long as the substituted successor securities rank the same as the preferred securities for distributions and payments upon liquidation, redemption and otherwise;
- a trustee of the successor entity who has substantially the same powers and duties as the property trustee of the trust is appointed;
- the preferred securities are listed or traded, or any substituted successor securities will be listed upon notice of issuance, on the same national securities exchange or other organization on which the preferred securities are then listed or traded;
- the event does not cause the preferred securities or any substituted successor securities to be downgraded by any national rating agency;
- the event does not adversely affect the rights, preferences and privileges of the holders of the preferred securities or any substituted successor securities in any material respect;
- the successor entity has a purpose substantially identical to that of the trust;
- prior to the merger event, we have received an opinion of counsel from a nationally recognized law firm stating that:
 - the event does not adversely affect the rights, preferences and privileges of the holders of the trust's preferred securities or any successor securities in any material respect;
 - following the event, neither the trust nor the successor entity will be required to register as an investment company under the Investment Company Act of 1940; and
 - neither the trust nor the successor entity will be taxable as a corporation or classified other than as a grantor trust for United States federal income tax purposes; and
- We or our permitted transferee own all of the common securities of the successor entity and the substituted successor securities are guaranteed

Edgar Filing: PHELPS DODGE CORP - Form 424B5

at least to the extent provided under the preferred securities guarantee.

In addition, unless all of the holders of the preferred securities of a trust approve otherwise, the trust may not consolidate, amalgamate, merge with or into, or be replaced by or convey, transfer or lease its properties and assets substantially as an entirety to any other entity or permit any other entity to consolidate, amalgamate, merge with or into or replace it if the transaction would cause the trust or the successor entity to be taxable as a corporation or classified other than as a grantor trust for United States federal income tax purposes.

VOTING RIGHTS

Unless otherwise specified in the prospectus supplement, the holders of the preferred securities of a trust will have no voting rights except as discussed below and under "-- Events of Default," "-- Amendment of the Trust Agreement," "-- Removal and Replacement of Trustees" and "Description of the Preferred Securities Guarantees -- Amendments and Assignment," and as otherwise required by law.

38

If any proposed amendment to a trust agreement provides for, or the administrative trustees of a trust otherwise propose to effect:

- any action that would adversely affect the powers, preferences or special rights of the preferred securities of the trust in any material respect, whether by way of amendment to the applicable trust agreement or otherwise; or
- the dissolution, winding-up or termination of the trust other than pursuant to the terms of the applicable trust agreement,

then the holders of the preferred securities of the trust as a class will be entitled to vote on the amendment or proposal. In that case, the amendment or proposal will be effective only if approved by the holders of at least a majority in aggregate liquidation amount of the preferred securities of the trust.

Without obtaining the prior approval of the holders of at least a majority in aggregate liquidation amount of the preferred securities of a trust, the trustees of a trust may not:

- direct the time, method and place of conducting any proceeding for any remedy available to the subordinated indenture trustee for any related junior subordinated debt securities or direct the exercise of any trust or power conferred on the property trustee with respect to the preferred securities of the trust;
- waive any default that is waivable under the subordinated indenture with respect to any related junior subordinated debt securities;
- cancel an acceleration of the principal of any related junior subordinated debt securities; or
- consent to any amendment, modification or termination of the subordinated indenture or any related junior subordinated debt securities where consent is required.

However, if a consent under the subordinated indenture requires the consent of each affected holder of the related junior subordinated debt securities, then

Edgar Filing: PHELPS DODGE CORP - Form 424B5

the property trustee must obtain the prior consent of each holder of the preferred securities of the trust. In addition, before taking any of the foregoing actions, the property trustee shall obtain an opinion of counsel experienced in such matters to the effect that, as a result of such actions, the trust will not be taxable as a corporation or classified as other than a grantor trust for United States federal income tax purposes. The property trustee will notify all preferred securities holders of the trust of any notice of default received from the subordinated indenture trustee with respect to the junior subordinated debt securities held by the trust. Any required approval of the holders of the preferred securities of a trust may be given at a meeting of the holders of the preferred securities convened for the purpose or pursuant to written consent.

The property trustee will cause a notice of any meeting at which holders of securities are entitled to vote to be given to each holder of record of the preferred securities at the holder's registered address, or to any other address which has been specified in writing, at least 15 days and not more than 90 days before the meeting.

Notwithstanding that the holders of the preferred securities of a trust are entitled to vote or consent under any of the circumstances described above, any of the preferred securities that are owned by us, the trustees of the trust or any of our affiliates or any affiliate of the trustees of the trust, shall, for purposes of any vote or consent, be treated as if they were not outstanding.

39

AMENDMENT OF THE TRUST AGREEMENT

Each trust agreement may be amended from time to time by us, the property trustee and the administrative trustees of the trust without the consent of the holders of the preferred securities of the trust to:

- cure any ambiguity, correct or supplement any provision which may be inconsistent with any other provision or make provisions not inconsistent with any other provisions with respect to matters or questions arising under the applicable trust agreement;
- modify, eliminate or add to any provisions to the extent necessary to ensure that the trust will not be taxable as a corporation or classified as other than a grantor trust for United States federal income tax purposes, to ensure that the junior subordinated debt securities held by the trust are treated as indebtedness for United States federal income tax purposes or to ensure that the trust will not be required to register as an investment company under the Investment Company Act; or
- add to our covenants, restrictions or obligations, in each case to the extent that the amendment does not adversely affect the interests of any holder of the preferred securities of the trust in any material respect.

Other amendments to a trust agreement may be made by us, the property trustee and the administrative trustees of a trust upon approval of the holders of at least a majority in aggregate liquidation amount of the outstanding preferred securities of the trust and receipt by the trustees of an opinion of counsel to the effect that the amendment will not cause the trust to be taxable as a corporation or classified as other than a grantor trust for United States federal income tax purposes, affect the treatment of the junior subordinated debt securities held by the trust as indebtedness for United States federal income tax purposes or affect the trust's exemption from the Investment Company Act.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

Notwithstanding the foregoing, without the consent of each affected holder of common or preferred securities of a trust, the applicable trust agreement may not be amended to:

- change the amount or timing of any distribution on the common or preferred securities of the trust or otherwise adversely affect the amount of any distribution required to be made in respect of the securities as of a specified date;
- restrict the right of a holder of any securities to institute suit for the enforcement of any payment on or after the distribution date; or
- reduce the percentage of preferred securities required to waive compliance with provisions of or defaults under the trust agreement.

In addition, no amendment may be made to a trust agreement if the amendment would:

- cause the applicable trust to be taxable as a corporation or characterized as other than a grantor trust for United States federal income tax purposes;
- cause the junior subordinated debt securities held by the applicable trust to not be treated as indebtedness for United States federal income tax purposes;
- cause the applicable trust to be deemed to be an investment company required to be registered under the Investment Company Act; or
- impose any additional obligation on any trustee of the applicable trust without its consent.

REGISTRATION AND TRANSFER

If the preferred securities of a series are to be redeemed, the applicable trust will not be required to register the transfer of or exchange any preferred security selected for redemption, in whole or in part, except for the unredeemed portion of a preferred security being redeemed in part.

40

PAYMENT AND PAYING AGENT

Unless the applicable prospectus supplement states otherwise, distributions on the preferred securities will be payable, at the applicable trust's option, (1) by check mailed to the address of the person entitled to the distribution as the address appears in the security register for the preferred securities or (2) by wire transfer to an account specified by the holder in accordance with procedures established by the administrative trustees and acceptable to the paying agent. Payments upon the redemption of the preferred securities will be paid only against surrender of the preferred securities.

Unless the applicable prospectus supplement states otherwise, the property trustee will act as paying agent for the preferred securities, and the principal corporate trust office of the property trustee will serve as the office through which the paying agent acts. The applicable trust may designate additional paying agents, rescind the designation of any paying agents and/or approve a change in the office through which any paying agent acts.

INFORMATION CONCERNING THE PROPERTY TRUSTEE

Edgar Filing: PHELPS DODGE CORP - Form 424B5

For matters relating to compliance with the Trust Indenture Act, the property trustee will have all of the duties and responsibilities of an indenture trustee under the Trust Indenture Act.

Wachovia Bank, National Association, which is the property trustee for each trust, also serves as the guarantee trustee under each preferred securities guarantee described below, the senior indenture trustee under the senior indenture and the subordinated indenture trustee under the subordinated indenture. It is an affiliate of Wachovia Trust Company, National Association, which serves as the Delaware trustee for each trust.

We may from time to time maintain credit facilities and have other customary banking relationships with First Union National Bank.

MISCELLANEOUS

The administrative trustees of each trust are authorized and directed to conduct the affairs of and to operate the trust in such a way that:

- it will not be taxable as a corporation or classified as other than a grantor trust for United States federal income tax purposes;
- the junior subordinated debt securities held by it will be treated as our indebtedness for United States federal income tax purposes; and
- it will not be deemed to be an investment company required to be registered under the Investment Company Act.

We and the trustees of each trust are authorized to take any action, so long as it is consistent with applicable law, the applicable certificate of trust or trust agreement, that we and the trustees of the trust determine to be necessary or desirable for the above purposes.

Holder of the preferred securities of the trusts have no preemptive or similar rights.

None of the trusts may incur indebtedness or place a lien on any of its assets.

GOVERNING LAW

Each trust agreement and the preferred securities of each trust will be governed by and construed in accordance with the laws of the State of Delaware, without regard to the conflict of laws provisions thereof.

DESCRIPTION OF THE PREFERRED SECURITIES GUARANTEES

The preferred securities guarantee for each trust will be issued pursuant to a guarantee between us and Wachovia Bank, National Association, as the guarantee trustee. We summarize below all of the material features of the preferred securities guarantees. The summary is not complete and is qualified in its entirety by all of the provisions of the form of the applicable guarantees. That document is incorporated by reference as an exhibit to the registration statement that includes this prospectus, and we encourage you to read it. Each guarantee will be qualified under the Trust Indenture Act of 1939. The terms of each preferred securities guarantee will include those stated in the applicable guarantee and those made part of the guarantee by reference to the Trust Indenture Act. Each guarantee will be executed at the time any trust issues any preferred securities and will be filed with the SEC on a Form 8-K or by a

Edgar Filing: PHELPS DODGE CORP - Form 424B5

post-effective amendment to the registration statement that includes this prospectus.

Each guarantee will be held by the guarantee trustee for the benefit of the holders of the preferred securities of the applicable trust.

GENERAL

We will irrevocably and unconditionally agree to pay in full to the holders of the preferred securities of each trust the guarantee payments described below, except to the extent previously paid. We will pay the guarantee payments when and as due, regardless of any defense, right of set-off or counterclaim that the applicable trust may have or assert. The following payments, to the extent not paid by a trust, will be covered by the applicable preferred securities guarantee:

- any accumulated and unpaid distributions required to be paid on the preferred securities of the trust, to the extent that the trust has funds available to make the payment;
- the redemption price, including all accumulated and unpaid distributions, to the extent that the trust has funds available to make the payment; and
- upon a voluntary or involuntary dissolution, termination, winding-up or liquidation of the trust, other than in connection with a distribution of related junior subordinated debt securities to holders of the preferred securities, the lesser of:
 - the aggregate of the liquidation amounts specified in the prospectus supplement for each preferred security of the trust plus all accumulated and unpaid distributions on the preferred security of the trust to the date of payment, to the extent the trust has funds available to make the payment; and
 - the amount of assets of the trust remaining available for distribution to holders of its preferred securities upon liquidation of the trust.

Our obligation to make a guarantee payment with respect to the preferred securities of a trust may be satisfied by directly paying the required amounts to the holders of the preferred securities of the trust or by causing the trust to pay the amounts to the holders.

Each preferred securities guarantee will be subject to the subordination provisions described below and will not apply to the payment of distributions and other payments on the preferred securities of a trust when the trust does not have sufficient funds legally and immediately available to make the distributions or other payments.

ADDITIONAL AMOUNTS

We will make all payments under each of our preferred securities guarantees without withholding or deduction for any taxes, fees, duties, assessments or governmental charges imposed or levied by New York or any other jurisdiction in which we or any of our successors is organized or resident for tax purposes or any political subdivision or taxing authority of New York or any of those other jurisdictions. If any withholding or deduction is required by law, we will pay to the holder of the preferred securities additional

amounts as may be necessary so that every net payment made to the holder after

Edgar Filing: PHELPS DODGE CORP - Form 424B5

the withholding or deduction will not be less than the amount provided for in the applicable preferred securities guarantee. We will not be required to pay any additional amounts as a result of:

- the imposition of any tax, fee, duty, assessment or governmental charge that would not have been imposed but for the fact that the holder or beneficial owner of the preferred securities was a resident or national of or had other specified connections with the relevant taxing authority or presented the preferred securities for payment in the relevant taxing jurisdiction unless it could not have been presented elsewhere;
- the imposition of any tax, fee, duty, assessment or governmental charge that would not have been imposed but for the fact that the holder or beneficial owner of the preferred securities presented the preferred security for payment more than 30 days after it was due and payable;
- any estate, inheritance, gift, sale or other similar tax, assessment or governmental charge; or
- the imposition of any tax, fee, duty, assessment or governmental charge that would not have been imposed but for the fact that the holder or beneficial owner of the preferred securities failed to comply, within 90 days, with any reasonable request by Phelps Dodge addressed to the holder or beneficial owner relating to the provision of information or the making of a declaration required by the taxing jurisdiction as a precondition to exemption from all or part of the tax, fee, duty, assessment or governmental charge.

SUBORDINATION

Each preferred securities guarantee will be unsecured indebtedness of our company and will be subordinated in right of payment to all of our existing and future senior indebtedness. Each preferred securities guarantee will be effectively subordinated to any of our secured indebtedness to the extent of the value of the assets securing the secured indebtedness. Each preferred securities guarantee will also rank equally with any other preferred securities guarantee issued by us. As a result, in the event of our bankruptcy, liquidation or reorganization or upon an event of default under any of its preferred securities guarantees, our assets will be available to pay our obligations on the preferred securities guarantee only after all of our secured and senior indebtedness has been paid in full in cash or other payment satisfactory to the holders of the secured and senior indebtedness has been made. There may not be sufficient assets remaining to pay amounts due on any or all of its the preferred securities guarantees. Each preferred securities guarantee will also be effectively subordinated to the indebtedness and other liabilities of us and our subsidiaries. The incurrence of additional secured and senior indebtedness and other liabilities by us or our subsidiaries could adversely affect our ability to pay our obligations on the preferred securities guarantees.

Each preferred securities guarantee will constitute a guarantee of payment and not of collection. This means that the holder of the guaranteed security may sue us to enforce its rights under the preferred securities guarantee without first suing any other person or entity.

AMENDMENTS AND ASSIGNMENT

No consent of the holders of the preferred securities of a trust will be required with respect to any changes to the preferred securities guarantee that do not adversely affect the rights of the holders of the preferred securities of the applicable trust in any material respect. Other amendments to the preferred securities guarantee may be made only with the prior approval of the holders of at least a majority in aggregate liquidation amount of the preferred securities

of the applicable trust. All guarantees and agreements contained in the preferred securities guarantee will be binding on our successors, assigns, receivers, trustees and representatives and are for the benefit of the holders of the preferred securities of the applicable trust.

43

EVENTS OF DEFAULT

An event of default under a preferred securities guarantee occurs if we:

- fail to make any required payments; or
- fail to perform any of our other obligations under the preferred securities guarantee and such failure continues for 30 days.

The holders of at least a majority in aggregate liquidation amount of the preferred securities of a trust will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the guarantee trustee relating to the preferred securities guarantee of the trust or to direct the exercise of any trust or power given to the guarantee trustee under the preferred securities guarantee of the trust.

If and to the extent that we do not make payments on the related junior subordinated debt securities the trust will not have funds available to make payments of distributions or other amounts due on its preferred securities. In those circumstances, a holder of the preferred securities of the trust will not be able to rely upon the applicable preferred securities guarantee for payment of these amounts. Instead, the holder may directly sue us under the junior subordinated debt securities to collect its pro rata share of payments owed. If a holder so sues us to collect payment, then we will assume the holder's rights as a holder of preferred securities under the applicable trust agreement to the extent we make a payment to the holder in any legal action.

The holders of at least a majority in liquidation amount of preferred securities of a trust may waive any past event of default and its consequences.

INFORMATION CONCERNING GUARANTEE TRUSTEE

For matters relating to compliance with the Trust Indenture Act, the guarantee trustee will have all of the duties and responsibilities of an indenture trustee under the Trust Indenture Act. In case an event of default shall occur and be continuing, the guarantee trustee must exercise the same degree of care and skill as a prudent person would exercise or use in the conduct of his or her own affairs. Before proceeding to exercise any right or power under any guarantee agreement at the direction of the holders of preferred securities, the guarantee trustee will be entitled to receive from the holders reasonable security or indemnity against the costs, expenses and liabilities that it might incur.

Wachovia Bank, National Association, which is the guarantee trustee, also serves as the property trustee for each trust, the senior indenture trustee under the senior indenture and the subordinated indenture trustee under the subordinated indenture. It is an affiliate of Wachovia Trust Company, National Association, which serves as the Delaware trustee for each trust.

We may from time to time maintain credit facilities and have other customary banking relationships with Wachovia Bank, National Association.

TERMINATION OF THE PREFERRED SECURITIES GUARANTEES

Edgar Filing: PHELPS DODGE CORP - Form 424B5

Each preferred securities guarantee will terminate once the preferred securities of the applicable trust are paid in full or redeemed in full or upon distribution of the related junior subordinated debt securities to the holders of the preferred securities of the trust in accordance with the applicable trust agreement. Each preferred securities guarantee will continue to be effective or will be reinstated if at any time any holder of preferred securities of the applicable trust must restore payment of any sums paid under the preferred securities or the preferred securities guarantee for the applicable trust.

GOVERNING LAW

Each preferred securities guarantee will be governed by and construed in accordance with the laws of the State of New York, without regard to the conflict of laws provisions thereof.

44

PLAN OF DISTRIBUTION

We may sell our common or preferred shares, senior or junior subordinated debt securities or our warrants, depositary shares, stock purchase contracts or stock purchase units and each trust may sell its preferred securities in one or more of the following ways from time to time:

- through agents;
- to or through underwriters;
- through dealers; and
- directly to purchasers.

The applicable prospectus supplement for each series of securities will set forth the terms of the offering of those securities, including the name or names of any underwriters or agents. The prospectus supplement for each series of securities will also set forth the purchase price of the securities, the proceeds to us or the applicable trust from the sale, any underwriting discounts or agency fees and other items constituting underwriters' or agents' compensation, the initial public offering price, any discounts or concessions allowed or reallocated or paid to dealers and the securities exchange, if any, on which the securities may be listed.

If underwriters participate in selling the securities, the securities will be acquired by the underwriters for their own account and may be resold from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale.

Unless the applicable prospectus supplement states otherwise, the obligations of the underwriters to purchase any series of securities will be subject to conditions precedent, and the underwriters will be obligated to purchase all of the series of securities if any are purchased.

We may also offer and sell securities, if so indicated in the applicable prospectus supplement, in connection with a remarketing upon their purchase, in accordance with a redemption or repayment pursuant to their terms, or otherwise, by one or more firms referred to as remarketing firms, acting as principals for their own accounts or as our agents. Any remarketing firm will be identified and the terms of its agreement, if any, with us, and its compensation will be described in the applicable prospectus supplement. Remarketing firms may be deemed to be underwriters under the Securities Act in connection with the

Edgar Filing: PHELPS DODGE CORP - Form 424B5

securities they remarket.

Underwriters, agents, dealers and remarketing firms may be entitled to indemnification against specific civil liabilities under agreements entered into with us and/or a trust, including liabilities under the Securities Act. Underwriters and agents may engage in transactions with, or perform services for, us in the ordinary course of business.

Each series of securities other than common stock will be a new issue of securities and will have no established trading market. Any underwriters to whom the securities are sold for public offering and sale may make a market in those securities. However, those underwriters will not be obligated to do so and may discontinue any market making at any time without notice.

We may authorize our agents and underwriters to solicit offers by certain institutions to purchase the securities at the public offering price under delayed delivery contracts.

- If we use delayed delivery contracts, we will disclose that we are using them in the applicable prospectus supplement and will tell you when we will demand payment and delivery of the securities under the delayed delivery contracts.
- These delayed delivery contracts will be subject only to the conditions that we described in the applicable prospectus supplement.

We will describe in the applicable prospectus supplement the commission that underwriters and agents soliciting purchases of the securities under delayed contracts will be entitled to receive.

45

EXPERTS

The consolidated financial statements incorporated in this Prospectus by reference to our Annual Report on Form 10-K for the year ended December 31, 2002, have been so incorporated in reliance on the report of PricewaterhouseCoopers LLP, independent accountants, given on the authority of said firm as experts in auditing and accounting.

VALIDITY OF THE SECURITIES

Richards, Layton & Finger, P.A., Wilmington, Delaware, will pass upon the validity of the preferred securities for us and each trust. Debevoise & Plimpton, New York, New York, will pass upon the validity of the common shares, preferred shares, warrants, depositary shares, share purchase contracts or share purchase units, senior debt securities, the junior subordinated debt securities and the preferred securities guarantees for us.

46

WHERE YOU CAN FIND MORE INFORMATION

This prospectus is part of a registration statement that we filed with the SEC. The registration statement, including the attached exhibits, contains additional relevant information about us and the trusts. The rules and regulations of the SEC allow us to omit some of the information included in the registration statement from this prospectus. In addition, we file reports, proxy statements and other information with the SEC under the Exchange Act. You can read and copy any of this information at the Public Reference Room of the SEC,

Edgar Filing: PHELPS DODGE CORP - Form 424B5

450 Fifth Street, N.W., Room 1024, Washington, D.C. 20549.

You may also obtain copies of this information by mail from the Public Reference Section of the SEC, 450 Fifth Street, N.W., Room 1024, Washington, D.C. 20549, at prescribed rates. You may obtain information on the operation of the SEC's Public Reference Room in Washington, D.C. by calling the SEC at 1-800-SEC-0330.

The SEC also maintains an Internet web site that contains reports, proxy statements and other information about issuers, like Phelps Dodge, that file electronically with the SEC. The address of that site is <http://www.sec.gov>. The SEC file number for documents filed by us under the Exchange Act is 1-82.

Our common shares are listed on the New York Stock Exchange, under the symbol "PD." Our 6.75% Series A Mandatory Convertible Preferred Shares are listed on the New York Stock Exchange under the symbol "PD PrA." You can inspect reports, proxy statements and other information concerning Phelps Dodge at the offices of the New York Stock Exchange at 20 Broad Street, New York, New York 10005.

INCORPORATION BY REFERENCE

The rules of the SEC allow us to incorporate by reference information into this prospectus. The information incorporated by reference is considered to be a part of this prospectus, and information that we file later with the SEC will automatically update and supersede this information. This prospectus incorporates by reference the documents listed below:

(a) Our Annual Report on Form 10-K for the year ended December 31, 2002;

(b) Our amendment to our Annual Report on Form 10-K for the year ended December 31, 2002 on Form 10-K/A as filed with the SEC on April 15, 2003;

(c) Our amendment No. 2 to our Annual Report on Form 10-K for the year ended December 31, 2002 on Form 10-K/A as filed with the SEC on April 24, 2003;

(d) Our Quarterly Report on Form 10-Q for the quarter ended March 31, 2003;

(c) Our Current Reports on Form 8-K filed with the SEC on April 15, 2003, April 24, 2003 and July 11, 2003; and

(d) all documents filed by us pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this prospectus.

You may request a copy of any filings referred to above (excluding exhibits), at no cost, by contacting us at the following address: One North Central Avenue, Phoenix, Arizona 85004-4415, Attention: Vice President and Corporate Secretary. Telephone requests may be directed to such person at (602) 366-8100. Some of these filings are also available on our Internet web site. The address of that site is <http://www.phelpsdodge.com>.

Edgar Filing: PHELPS DODGE CORP - Form 424B5

PHELPS DODGE CORPORATION

% SENIOR NOTES DUE 2034

(PHELPS DODGE CORPORATION LOGO)

PROSPECTUS SUPPLEMENT

, 2004

CITIGROUP

