

ANNUAL REPORT MINING ACT RECLAMATION PROGRAM

**TO THE NEW MEXICO MINING COMMISSION
DECEMBER 31, 2004**



**Energy, Minerals and Natural Resources
Department
Mining and Minerals Division
Mining Act Reclamation Program
Director: Bill Brancard**

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COVER PHOTO

The photo on the cover of the annual report was taken at the Tyrone Mine, in November of 2004. The photo depicts a group of technical experts standing on the crest of the west facing outslope of the, 300 acre, 3X tailing impoundment, looking south at the #2 tailing impoundment (middle), and the mine rock stockpiles (background). The outslope has been recently regraded. This portion of the #3X was regraded in preparation for installation of the terrace drains and the cover material, and eventual seeding. Test plots are to be established in this location of the 3X tailings facility for the purpose of evaluating various soil cover depths and revegetation approaches.

The work this summer and fall at the Tyrone tailings facility has been an ongoing group effort involving individuals from the Mining and Minerals Division, Phelps Dodge staff and their consultants, and individuals from the Environment Department. Phelps Dodge has spent approximately 19 million dollars on reclamation efforts since August of 2003, which includes the tailings as well as other facilities, to be discussed further in Part 3 of this report.

1. INTRODUCTION

Part 13 of the New Mexico Mining Act Rules (the Rules) requires that an annual report be provided to the Mining Commission. The report is to contain a general description of mining operations, reclamation practices, and production figures associated with the mining operations regulated by the New Mexico Mining Act (Mining Act).

This report identifies activities related to the permitting and regulation of mines under the Mining Act, for the time period from January 2004 through December 2004. It also provides tables identifying all mining operations having obtained or submitted a permit under the Mining Act Reclamation Program (Program) since its inception in 1994.

The report discusses production figures for New Mexico mines, by commodity, produced during the 2003 calendar year, which is the most recent year that statistics are available. The production figures provide statistics from all mines reporting in New Mexico, not just those regulated under the Mining Act.

The report discusses reclamation activities and practices related to specific

mines in the State of New Mexico. The statistics addressing reclaimed vs. unreclaimed acreage in this section originates from data provided to MMD by the mine operators, and identifies activities, which have taken place up through 2003.

Finally, Subparagraph B of 19.10.13.1302 NMAC states that the report shall include proposed amendments to the Rules, if any. No Rule changes were made during 2004, and MMD is not currently requesting the Commission to evaluate proposed amendments. However, MMD may propose changes during the course of calendar 2005.

2. MINING OPERATIONS IN THE STATE OF NEW MEXICO AS OF 2004

The Mining Act Program was established in the spring of 1994. Since then all mining operations falling under the definition of existing, operations having operated between January 1, 1970 and June 18, 1993, have been fully permitted (including an approved closeout plan and financial assurance), with the exception of those mines shown in Table 3, below. Four of these operations began the permitting process in 1994, however, C & E Concrete's operation, the Tinaja Pit, did not start the permitting process until late November of 2002, and the United Nuclear Corp. operations: the St. Anthony Mine, the Section 27, and the Northeast Church Rock sites did not submit permits until July of 2003.

A number of new mines, operations initiating activity post June 1993, have been added to the list. These new mines all fall within the category of minimal impact operations, or operations disturbing 10 acres or less of surface area. Exploration operations are small extractive operations, typically under 5 acres, involved in the sampling of ore bodies prior to full-scale mine development. General Permit operations cannot excavate greater than 200 cubic yards per year, or disturb greater than 2 acres of surface at any one time. The General Permit category is one typically used by hobby miners. The Exploration and General Permit categories make up the largest number of permitted operations under the Mining Act Reclamation Program, at 207. All mining operations, which have submitted permit applications under the categories of Regular Existing, Minimal Impact, Exploration and General Permit, are identified in Tables 5-9 in Appendix #1. Not all of these operations have received a permit, so total numbers will be different from the numbers

provided for permitted sites, in Table 1. The total numbers are provided because, though some have not been permitted, the program has still spent time developing these permits or conducting enforcements actions related to them.

Table 1 of this Section provides numerical figures of all the mine operations by categories, which have received permits since 1994. Table 2 identifies specific types of permit applications submitted to MMD during 2004 and identifies applications, which have been approved and those still pending. Modifications and Revisions can be just as time consuming as full blown permit applications, and are often much more complicated than minimal impact permit applications. One revision that falls into this category, that was approved this year, was the Tyrone Mine Closeout Plan. The Closeout Plan was a major revision to the Tyrone Mine permit.

Table 3, of this Section, identifies regular existing mining operations, which have not yet received approval for their Closeout Plans. The last extension of the deadline for Closeout Plan completion was October of 2002. The Phelps Dodge operation identified in this Section, the Continental Mine, is expected to have an approved Closeout Plans by the beginning of 2005. The three UNC mines, St. Anthony Mine, Section 27, and the Northeast Church rock, are in compliance with the Mining Act and should have permits and closeout plans completed by the end of 2005. The Tinaja Pit has completed nearly all steps for approval and should have a permit approved in early 2005. Two of the operations, the Clodbuster Mine and the Eberle/Challenge, have been issued a series of violations over the years and are not on track to obtain permits as of the date of this report. The Nacimiento Mine is an abandoned open pit copper operation near Cuba, NM. The owner passed away and a responsible party has not been identified. Because portions of the mine are situated on State and Federal property, both State and Federal agencies have been trying to find funding for the reclamation of the site for a number of years.

Table 1. Total Mining Operations Permitted Since 1994

Type	Description	Number of Operations
Regular Mining Operations	>10 acres of disturbance.	28
Minimal Impact Existing	<10 acres of disturbance	23
Minimal Impact New	<10 acres of disturbance	21

Regular Exploration	> 5 acres of disturbance	4
Minimal Impact Exploration	<5 acres of disturbance	77
General (Recreational)	<200 cubic yards/yr of disturbance	117
Total Mining Operations Permitted		273

Table 2. 2004 Approved and Pending Permit Applications

Type	Description	Number of Operations	
		Pending	Approved
Regular Mining Operations	>10 acres of disturbance	4	0
Minimal Impact Mining Operations	<10 acres of disturbance	0	4
Exploration Operations	<5 acres of disturbance	0	4
General Permits	<200 cubic yards/yr of disturbance	0	16
Revisions or Modifications	Modification to an Existing Permit	3	8

Table 3. Existing Mining Operations Still Requiring Closeout Plans

Mine Name	Operator	Disturbed Acres
Continental	Phelps Dodge	1120
Tinaja Pit	C & E Concrete	140
St. Anthony Mine	United Nuclear Corp	430
Northeast Church Rock	United Nuclear Corp.	14
Section 27	United Nuclear Corp.	37
Clodbuster	Agronics	27
Challenge/Eberle	Dick Manning	17
Nacimiento Mine	Leaching Technology, Inc.	611

3. RECLAMATION PRACTICES UNDER THE NEW MEXICO MINING ACT

A total of 21 sites, under permit with the Mining Act Program, have undergone some form of reclamation. In some cases the entire site has been reclaimed, and others, a portion of the site has undergone reclamation. Once reclamation has taken place, mine operators must wait 12 years before they are eligible to apply for complete release from the Act's requirements. However, the operator is allowed to apply for a partial release of financial assurance, no more than once per year per permit. Several operators have received partial release for work performed towards final reclamation such as earthwork performed to achieve a post mine contour, placing cover over reclaimed areas, and performing demolition work at the site.

Sites where reclamation has been completed on the entire site include: Cunningham Hill, Las Conchas Unit of the Las Conchas/El Cajete Mine, San Pedro, KB Mine, KM Mine, Jersey Lily, Snowflake, Virtue, Brockman, Chino Limestone, and Pinos Altos. Phelps Dodge reclaimed two of its intermediate size mining operations this year including the Brockman Mine (38 acres) and the Chino Limestone Mine (50 acres)

In some cases interim reclamation measures have been performed at a site. Interim reclamation generally indicates that the operator has taken voluntary steps to stabilize portions of the site prior to final implementation of the operation's closeout/reclamation plan. The interim steps may or may not

eventually be incorporated into the operator's final reclamation plan. Sites where interim reclamation has been initiated include the Chino Mine (2,000 acres) and Questa Mine (300 acres). In both cases the operators have taken steps to stabilize tailings ponds where blowing dust has been a problem. The soil covers and revegetation accomplished by this type of interim stabilization has reduced dust levels substantially.

Innovative or experimental reclamation is encouraged by the Mining Act Reclamation Program particularly at sites where steep slope reclamation and/or acid producing materials present reclamation challenges. Four large operations, currently permitted under the Program, have committed to the construction and evaluation of test plots. Test plots were constructed at the Questa Mine and Mill in 2003. Molycorp has taken steps to establish some 23 acres of test plots on the rock piles at the Questa Mine. The plots will evaluate cover suitability, infiltration rates, and plant establishment on a variety of cover depths and steep slope angles. In addition, in 2003, the Tijeras Cement Plant and Quarry has installed a series of test plots and initiated reclamation of some of their quarries totaling approximately 20 acres. This program will be evaluating seeding rates, fertilizer rates, and soil amendments as well as soil building utilizing red bed sandstone. Phelps Dodge will be constructing test plots at its Chino, Tyrone and Continental Mine operations. The test plots will evaluate tailings and waste pile reclamation at these mines.

Exploration and General Permit operations require reclamation within 2 years of completion of the project. These permits are valid for one year unless renewed. The acreage from reclamation of these small sites is not included in the numbers provided below.

Based on information supplied by our operators, in their 2003 annual reports, a total of 3,093 acres of once disturbed land is now under reclamation. This figure can be compared with 21,587 acres of total disturbance resulting from mining operations regulated under the Mining Act Program.

During the 2004 calendar year the Phelps Dodge Tyrone Mine initiated a massive reclamation project encompassing tailings released in a 1980s spill, the Tyrone tailings ponds, the 1C stockpile, and the mill concentrator portion of the mine. Phelps Dodge has reclaimed 186 acres of spilled tailings, 300 acres associated with the 1C stockpile, and 30 acres associated with the mill and concentrator area. Phelps Dodge has spent a total of approximately

\$19,000,000 on reclamation activities, since August of 2003. Phelps Dodge is planning to reclaim another 4,600 acres of tailings over the next 7 years. Phelps Dodge has hired a team of highly professional individuals to help conduct the reclamation. An efficient and productive process has been established with the regulatory agencies to meet monthly with a group of technical experts to manage the reclamation activities.

Also, during the 2004 calendar year, Molycorp initiated mitigation work on the Goat Hill North Stockpile. The work is being conducted to address a potential instability issue related to the stockpile. The relocation of massive amounts of rock down slope to establish a berm, to arrest the movement of the rock down slope will also create slopes more conducive for the purpose of revegetation. Molycorp plans to establish test plots on portions of the regraded Goat hill North slopes.

4. GENERAL PRODUCTION FIGURES FOR NEW MEXICO

Confidentiality laws do not allow production values specific to a mining operation to be made public. Therefore, we have provided production values in this report by commodity and not by a specific mining operation (see Table 4). Total production for commodities with less than four producers must also be held confidential, and these values are included in mineral industry totals. Not all commodities addressed below come under the Mining Act. They are included for comparison with commodities that do fall under the Mining Act. For example, some of the operations, which are classified as industrial minerals, do not come under the Mining Act's jurisdiction. Most of those that fall under the aggregate category also do not come under the Act. Potash and Coal mines do not fall under the Mining Act. Coal operations are permitted under the New Mexico Surface Coal Mining Reclamation Act.

Table 4. Summary of Production, Production Value, Employment, Payroll, Revenue and Rank Information for Mineral Commodities in New Mexico in 2003

Mineral	Production ¹	Prod. Rank ²	Prod. Value \$	Employment ³	Payroll \$	Revenue Generated \$ ⁴	
						State	Federal
Coal	26,322,723	12	628,291,436	1,651	110,979,081	23,612,272	10,414,900
Copper	193,643,720	3	158,138,070	879	26,815,001	548,521	
Gold	0	-	-	-	-	3,900	
Industrial Minerals ⁵	2,274,999	-	153,198,856	663	18,708,370	941,640	
Aggregates ⁶	14,838,772	-	77,848,579	1,063	17,190,991	703,926	
Molybdenum	3,526,000	5	15,800,000	165	7,000,000		
Potash ⁷	1,064,485	1	202,166,863	824	47,249,963	1,456,772	2,376,622
Silver	0	-	-	-	-	1,763	
Uranium	0		-	32	1,000,000	232	
TOTAL			1,235,443,804	5,277	228,943,406	27,269,026	12,791,522

¹ Production for coal, industrial minerals, potash and aggregates in short-tons; copper, molybdenum and uranium in pounds.

² Rank is based on quantity produced. Source: U.S. Geological Survey (<http://minerals.er.usgs.gov/minerals>)
coal rank is based on DOE's Energy Information Administration (www.eia.doe.gov).

³ Category includes direct and contract employees.

⁴ State revenue includes royalties/rentals from state trust land mineral leases; and severance, resources excise and energy conservation tax revenues. Federal revenue includes 50% state share of federal royalties (Onshore Collections in CY 2003). State data from NM Tax and Revenue Department and the State Land Office; Federal data from Minerals Management Service.

⁵ Category includes gypsum, perlite, salt, limestone, calcite, dimension stone, silica flux, clay, humate, scoria, pumice, mica and zeolites.

⁶ Category includes base course, caliche, clay and shale, crushed rock, dimension flagstone, fill dirt, gravel, limestone, red dog, rip-rap, sand, scoria, topsoil, travertine and other.

⁷ Production is K₂O mill production.

All Data from the Energy, Minerals and Natural Resources Department, Mining and Minerals Division (unless otherwise noted).

5. FINANCIAL ASSURANCE UPDATE

Table 5 summarizes the types and amounts of financial assurance that has been provided to the State of New Mexico by mining operators who have obtained approved permits and closeout plans. The forms of financial assurance include surety bonds, cash, letters of credit, collateral (realestate) and third party guarantees. To date, the amounts collected range from \$200 to \$270,775,013. Financial assurance posted with MMD to date totals **\$634,366,404.00**. The acreages related to the Continental Mine, Tinaja Pit, St. Anthony Mine, Section 27, and Northeast Church Rock are not included in this total because the closeout plans have not yet been approved and no financial assurance has been posted.

6. AMENDMENTS TO THE NM MINING ACT RULES

There were no amendments to the NM Mining Act Rules approved during the calendar year 2004 by the NM Mining Commission.

7. MINING ACT RECLAMATION PROGRAM STAFF

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Appendix #1 Mining Operations in New Mexico

Table 5. Regular Existing Mines as of December 2004

Permit Number	Mine Name	Operator	Permit Status	Mine Status	Commodity
BE001RE	Tijeras Plant And Quarry	Rio Grande Portland Cement	Approved	Active	LIMESTONE
CA005RE	Challenge Mill & Eberle Mine	Challenge Mining Company	Enforcement	Inactive	AU,AG
CI002RE	Mount Taylor Mine	Rio Grande Resources Corp.	Approved	Inactive	U
CI005RE	Tinaja Pit	C & E Concrete, Inc	Pending	Active	LIMESTONE
GR001RE	Pinos Altos Mine	Phelps Dodge Mining Company	Approved	Inactive	METALS, SIFL
GR002RE	Continental Open Pit Mine/Mill	Cobre Mining Co.	Enforcement	Inactive	CU,ZN,MAGNETITE
GR006RE	Chino Limestone Quarry	Chino Mines Co.	Approved	Inactive	LIMESTONE
GR007RE	Little Rock Mine	Phelps Dodge Mining Co.	Approved	Inactive	CU
GR008RE	Jersey Lily, Snowflake, Virtue Mines	Phelps Dodge Mining Co.	Approved	Inactive	SIFL
GR009RE	Chino Mine (Santa Rita Open Pit Mine/Ivanhoe Mill)	Chino Mines Co.	Approved	Active	CU,AU,AG,MO
GR010RE	Tyrone Mine/Mill	Phelps Dodge Mining Co.	Approved	Active	CU
GR020RE	Georgetown Mine	Sierra Corp.	Approved	Inactive	CU,AU,AG
GR028RE	Center Mine	Douglas E. Hanson	Approved	Inactive	SIO2, AG
HI001RE	Lordsburg Dist. /North Atwood Portal	Lordsburg Mining Company	Approved	Inactive	SIFL
HI002RE	Brockman Mine	Phelps Dodge Mining Company	Approved	Inactive	SIO2
LU001RE	Deming Minerals Jigging Plant	American Minerals, Inc.	Approved	Active	MG
LU008RE	Cyprus Pinos Altos Deming Mill	Phelps Dodge Mining Company	Approved	Inactive	CU, ZN
LU009RE	Asarco Deming Mill	Asarco Incorporated	Approved	Inactive	CU, ZN
MK004RE	NE Church Rock Mine	United Nuclear Corp.	Pending	Inactive	URANIUM
MK005RE	Section 27 Mine	United Nuclear Corp.	Pending	Inactive	URANIUM
MK006RE	St. Anthony Mine	United Nuclear Corp.	Pending	Inactive	URANIUM
MK009RE	Old Stope Leaching/Ambrosia Lake Mill	Quivira Mining Co.	Approved	Active	URANIUM
RA004RE	Rocky Mountain Mine	Western Mobile	Approved	Active	PUMICE
RA005RE	Velarde Mill (FIM Mica Mill)	Oglebay Norton Specialty Minerals	Approved	Active	MICA
SA001RE	Las Conchas Mine	Copar Pumice Co.	Approved	Inactive	PUMICE
SA002RE	Clod Buster Mine/Mill	Agronics Inc.	Enforcement	Inactive	HUMATE
SA003RE	Nacimiento Mine	Leaching Tech. Inc.	Denied	Inactive	CU
SF001RE	San Pedro Mine/Mill	St. Cloud Mining Company	Approved	Inactive	GARNET
SF002RE	Cunningham Hill/Ortiz	Lac Minerals Co.	Approved	Inactive	AU

Permit Number	Mine Name	Operator	Permit Status	Mine Status	Commodity
SI006RE	Zeolite Mine (Stone House)	St. Cloud Mining Company	Approved	Active	ZEOLITE
SO001RE	Socorro Perlite Mine/Mill	Dicaperl Corporation	Approved	Active	PERLITE
TA001RE	Questa Mine/Mill	Molycorp, Inc.	Approved	Active	MO
TA002RE	El Grande Mine/Mill	Dicaperl Corp (Grefco)	Approved	Active	PERLITE
TA003RE	U. S. Hill Mine (FIM Mica Mine)	Oglebay Norton Specialtiy Minerals	Approved	Active	Mica
TA005RE	No Agua Mine/Mill	Harborlite Corp.	Approved	Active	PERLITE

Total Regular Existing Mine Permit Applications = 35

Table 6. Minimal Impact Existing Mines as of December 2004

Permit Number	Mine Name	Operator	Permit Status	Mine Status	Commodity
CA003ME	Hiawatha And Little Jim Claims	Volcanic Stone Company	Approved	Inactive	SN
GR011ME	Summit Mine	Biron Bay Resources	Approved	Inactive	SIO2, AU
GR016ME	Malone Property	Louis Osmer	Approved	Inactive	SILICA
GR018ME	Banks Mine (Lost New Summit Mine #1)	Micrex Development Corporation	Approved	Inactive	SIO2, AG
GR019ME	Boston Hill	Town Of Silver City	Approved	Released	MANGANESE
GR025ME	Mathis Lime Quarry	Mathis & Mathis Mining And Exp	Approved	Inactive	LIMESTONE
GR029ME	Mount Royal Mine and Mill	Micrex Development Corporation	Approved	Inactive	GOLD CONC.
GR030ME	Chemical Lime Mine & Mill	Chemical Lime Company	Approved	Inactive	SILICA FLUX
HI008ME	Volcano Mine	Dane Mining & Exploration	Approved	Active	AU, AG, SILICA
LI001ME	Warner Gulch Mine And Mill	American Eagle Mining Co.	Approved	Active	AU
LI005ME	Capitan Iron Mine	El Capitan Ltd.	Approved	Active	FE
MK003ME	Star Lake Mine/Menefee Mining	Menefee Mining Corporation	Approved	Active	HUMATE
MK007ME	Star Lake Mine-Reid Enterprises	Mesa Verde Resources	Approved	Active	HUMATE
MK008ME	Pueblo Alto Mine - Reid Enterprises	Mesa Verde Resources	Approved	Active	HUMATE
RA003ME	Cullum Pumice	Lafarge/Western Mobile	Approved	Active	PUMICE
RA006ME	General Pumice	City Of Espanola	Pending	Inactive	PUMICE
SA005ME	Menefee Mining Corp. Mill	Menefee Mining Corporation	Approved	Active	HUMATE
SA010ME	Mesa Verde Resources Mill - Reid	Mesa Verde Resources	Approved	Active	HUMATE
SF003ME	Silver Silica	Oro Blanco Mining Co., Llc	Approved	Active	SILICA
SF006ME	CR Minerals Mill	Cr Minerals Company	Approved	Active	PUMICE
SI001ME	St. Cloud/US Treasury Et Al MineS / Mill	St. Cloud Mining Company	Approved	Inactive	SIO2, AU, AG
SI007ME	Midnight Mine	Larry L. Harris	Approved	Inactive	AU,CU
VA001ME	Lucero Quarry	Nm Travertine Inc.	Approved	Active	TRAVERTINE

Total Number of Minimal Existing Mine Permit Submittals = 23

Table 7. Minimal Impact New Mines as of December 2004

Permit Number	Mine Name	Operator	Permit Status	Mine Status	Commodity
BE002MN	Uranium King	Karl Meyers	Dropped	Inactive	HUMATE
CA002MN	Deadwood/Last Chance	Micrex Development Corp.	Approved	Inactive	SIO2, AG
CA006MN	Gutapa Mine	Sunburst Mining Corp	Dropped	Inactive	PRECIOUS METALS
CA007MN	Hulsey Lake Mine	Gerry Long	Approved	Inactive	
CA008MN	Gutapa SW Research & Devel.	SW Research and Development	Approved	Inactive	
CA010MN	Apache Camp Mining Association - Mine #1	Apache Camp Mining Ass.	Approved	Inactive	GOLD, SILVER
CI003MN	ANP No. 2 Mine	Acid Neutralizing Products, In	Approved	Active	TRAVERTINE
CI004MN	Haskani Mine	Acid Neutralizing Products, Inc.	Approved	Active	TRAVERTINE
CI006MN	Ray Claims 4&6	International Stone Company	Approved	Active	TRAVERTINE
DA002MN	Shamrock Environmental	Espanola Transit Mix Co.	Approved	Inactive	
GR012MN	KB Mine	Southwest Silica Flux Co.,Inc.	Approved	Active	SIO2
GR023MN	Copper Conglomerate Project	Copper Creek Exploration	Approved	Inactive	CU
GR022MN	Farmers Back Breaker	Larry Moore	Dropped	Inactive	AU
GR031MN	Toro Mine	Toro Mining and Minerals, Inc.	Approved	Inactive	PERLITE
HI004MN	KM Mine	Southwest Silica Flux Co.,Inc.	Approved	Inactive	SIO2
MK010MN	U-Mate Mine	U-Mate International,Inc.	Approved	Active	HUMATE
MK011MN	Morningstar Mine	Morningstar Corp.	Approved	Active	HUMATE
OT002MN	B.O.W. Mine	B.O.W. Corporation	Approved	Active	GARNET
SA004MN	Copar South Pit	Copar Pumice Co.	Approved	Active	PUMICE
SA006MN	Copper City Mine	Crystal Mining Corp.	Approved	Inactive	HUMATE
SA009MN	Eagle Mesa Mine	Rammsco, Inc.	Approved	Active	HUMATE
SA011MN	San Luis Mine	Horizon Ag-Products	Approved	Active	HUMATE
SI005MN	Burbank Canyon	The Beenah Group, Inc.	Approved	Inactive	PRECIOUS METALS
SO002MN	Sais Quarry	New Mexico Travertine	Approved	Inactive	SCHIST
SO004MN	Alamosa Mine	Tognoni & Lufkin	Dropped	Inactive	BERYLLIUM

Total Number of Minimal Impact New Mine Permit Applications = 25

Table 8. Exploration Mines as of December 2004

Permit Number	Exploration Name	Operator	Commodity	Status
BE001EM	HRI, INC EXPLORATION	HRI, INC.	U	Approved
CA004EM	GUTAPA EXPLORATION PROJECT	SUNBURST MINING CORP.	Au, Pt	Approved
CA005EM	COW SPRINGS	SUNBURST MINING CORP.		Dropped
CA006EM	DEEP CREEK	DEREK KUESTER	Au, Ag, Cu	Approved
CA007EM	Faith Mining Association	Faith Mining Association	Au, Pt, Pd, Rh, Ru, Os, Ir	Approved
CA008EM	Southwest Research #1	Southwest Research and Dev. Company	Pt, Au, Ag	Dropped
CI001EM	ANP NO. 1	ACID NEUTRALIZATION PRODUCT, INC.	Travertine	Approved
CI002EM	LA JARA MESA CONFIRMATION DRIL	ANACONDA RESOURCES, INC.	U	Approved
CI003ER	Zia Mines Exploration	Lee Stewart	Uranium	Dropped
CI004EM	Twenty Two	Jim Herrison	Travertine	Approved
DA001EM	Alivio Exploration Project	Louis Gonzales	Au	Approved
DA001ER	Shamrock Environmental	Shamrock Environmental	Heavy Metals	Approved
GR001EM	DEADMAN CANYON	COPPER CREEK EXPLORATION LTD.	Cu	Approved
GR002EM	PINOS ALTOS PROJECT	PINOS ALTOS GOLD EXP. INC.	Au	Approved
GR004EM	TYRONE WEST DRILLING PROGRAM	COPPER CREEK EXPLORATION LTD.	Cu	Dropped
GR005EM	Gold Rush	Harvey Lee Harvey	Au, Ag	Approved
GR006EM	NAVARRO MINERAL	D. GILBERT NAVARRO	Au	Approved
GR007EM	LONE MOUNTAIN PROJECT	LONE MTN MINING LTD.	Cu	Approved
GR009EM	GOOD CHEER GROUP	DON YELSMA		Approved
GR010EM	BEAUMONT SILVER MINE	LOU OSMER	Ag	Approved
GR011EM	SHAMROCK GOLD MINE	LOU OSMER	Au	Approved
GR012EM	ASTROLOGER GOLD MINE	LOU OSMER	Au	Approved
GR013EM	Chocolate Peak	Harald Hoegberg	Au, Ag, Cu, Zn	Approved
GR014EM	Copper Mountain South	Phelps Dodge Tyrone, Inc.	Cu	Approved
GR015EM	Golden Eagle Exploration	John Bernal	Au	Approved
GR017EM	Toro Mining Exploration	Charles Grey	Perlite	Approved
GR018EM	Emma Exploration drilling	Phelps Dodge Tyrone, Inc.	Cu	Approved
GR019EM	SW Area drilling project	Phelps Dodge Tyrone, Inc.	Cu	Approved
GR020EM	Nellie Bly Exploration	Phelps Dodge Tyrone, Inc.	Cu	Approved
GR021EM	Hachita	Ken Krahulec	Precious Metals	Approved
GR022EM	Tyrone Peak	Phelps Dodge Tyrone, Inc.	Cu	Approved
GR023EM	Brockman Exploration Project	Kennecott Exploration Company	Au	Approved

GR024EM	Don Snodgrass	Don Snodgrass	Au, Ag	Pending
GR025EM	Lawrence Pierce	Lawrence Pierce	Au	Pending
GR026EM	GUTAPA PROJECT	SUNBURST MINING CORP.	Au, Pt	Approved
GR027EM	Neglected Mine	William Hinkle, Jr	Au, Ag, Cu	Pending
HI001EM	SAN SIMON PROJECT	CYPRUS METALS COMPANY		Approved
HI002EM	BECK MINE PROJECT	BECK SILVER MINES	Au,Ag	Approved
HI003EM	STERLING	NORANDA EXPLORATION, INC	Cu	Approved
HI004EM	WILLOW DRAW	MARK OSTERBERG	Cu	Dropped
HI005EM	COMSTOCK PROJECT	BUSH MINING AND RANCHING	Au, Ag	Dropped
HI006EM	HACHITA PEAK	TECK RESOURCES	Au	Approved
HI007EM	APACHE HILLS	MADISON RESOURCES (NM), INC.	Metals	Approved
LI001EM	VERA CRUZ	PLACER DOME, INC.	Au, Cu	Approved
LI003ER	BONITO GOLD/SILVER PROJECT	DAVID DUNN	Ag, Au	Dropped
LI004EM	M&R Project	Richard Mendoza	Rare Earth	Pending
LU001EM	VICTORIO PROJECT	LONE MTN MINING LTD.	Au	Approved
LU002EM	Homer's Little Diggins	Homer Nute	Agate	Approved
MK009EM	GAMERCO	U MATE INTERNATIONAL	Humate	Approved
MK010EM	WEST AMBROSIA	HRI, INC.	U	Approved
MK011EM	Andrea Corporation	Hal Collins	Humate	Approved
OT002EM	ORO GRANDE PROJECT	LONE MTN MINING LTD.	Au, Cu	Approved
OT003EM	Metalline Mining Exploration	Metalline Mining Co.	Garnet	Pending
RA001ER	Northstar	Northstar 1991 Family Living Trust	Au, Etc	Pending
RA002EM	Mid Way Exploration	Al Puckett	Au	Pending
SA001EM	LOS GRIEGOS PROJECT	COPAR PUMICE CO.	Pumice	Approved
SA003ER	GEORGIA CLAIMS	CENTEX AMERICAN GYPSUM	Gypsum	Approved
SA004EM	VALLECITOS DRILLING	COPAR PUMICE CO.	Pumice	Approved
SF001EM	CERRO DE ORO #2, 11	JOAN OLLER	Au	Approved
SF002EM	JACK'S PLACE	JACK NELSON	Au	Approved
SF003EM	THREE B'S #1&2	BRIAN KEW	Au	Approved
SF004EM	RAFELITA	JOSEPH GONZALES	Au	Approved
SF005ER	CARACHE CANYON4	LAC MINERALS (USA) INC.	Au	Dropped
SF006EM	JONES HILL	CHAMPION RESOURCES	Au, Ag	Approved
SF007EM	NMGMA	TEXAS GOLD - NMGMA	Au	Pending
SF008EM	Jones Hill Project	Davenport Minerals Corp	Cu, Au, Ag, Zn	Approved
SI001EM	HILLSBORO PROJECT	PLACER DOME, INC.		Approved
SI002EM	HACKBERRY DRAW	GRUBSTAKE MNG & EXP., INC.	Au	Dropped
SI006EM	LOG CABIN PROJECT	TROY L. GRIMES	Au, Ag	Dropped

SI007EM	DROLTE MINE	DROLTE MINING	Metals	Dropped
SI008EM	COLOSSAL PROJECT	Ed Rudder	Au	Approved
SI009EM	GOLD RUN #1 PLACER	JOHN D. WHITESIDE	Au	Approved
SI010EM	Deep Pockets #1 and #2	Arthur Hartman	Au	Pending
SI011EM	DROLTE CLAIMS	MARY ALICE DROLTE	Au	Approved
SI012EM	B. FRANKLIN CLAIMS	DAN DODL	Au, Ag, Pt	Approved
SI013EM	GOLD-SILVER EXPLORATION	DAN MEDLEY	Au	Approved
SI014EM	DICTATOR MINE	MEGASTAR VENTURES	Au, Ag, Cu, Pb, Zn	Approved
SI015EM	Sonny's Tailings	Ken Schmatjen	Au	Pending
SI016EM	Iron Mountain Exploration	Great Western Exploration	Berellyum	Pending
SI017EM	East of Winston Exploration	Great Western Exploration		Pending
SO001EM	San Juan Exploration Shaft	Al Meyers	Au, Ag	Approved
SO002EM	Northside Drilling Project	Kalahari Exploration LLC	Cu	Approved
SO003EM	San Juan Drilling Project	Kalahari Exploration LLC	Cu, Au	Dropped
SO004EM	Alamosa Exploration	Bob Lufkin and David Tognoni	Be	Pending
TA001ER	PILAR PROJECT	GOLDEN ROD MINING		Dropped
TA002EM	CHAMPION PROJECT	ST. MARY MINERAL INC.	Cu	Approved
TA002ME	CHAMPION	SUMMO USA CORP.	Cu	Approved
TO001EM	3 IN 1 PROJECT	GEORGE RAMIREZ	Cu	Approved
TO002EM	3 IN 1 PROJECT	CIRO RAMIREZ	Cu	Approved
Total Number of Exploration Projects Submitted = 89				

Table 9. General Permits as of December 2004

Permit Number	Name	Date Submitted	Date Issued	Location
BE001WET	Robert Lipinski	8/11/2004	8/17/2004	Rio Grande
CI001DRY	International Stone Company	7/9/2002	7/15/2002	Cerro Verde
GR020DRY	ENER G. CORP., INC.	7/31/1997	8/7/1997	Near Chocolate Peak
GR022DRY	Cathy Heslet	3/23/1998	3/30/1998	Golden Duck
GR023WET	Weston Wolff	2/4/1998	3/11/1998	Black sand claim 1-6/Pa Cha ma
GR025DRY	John Bernal	5/4/1998	5/12/1998	Golden Eagle #1 Claim
GR029DRY	Paul Plunkett	4/21/1998	4/28/1998	Gold Gulch (T20S, R16W, S26
GR030DRY	John Huntress	4/6/1999	5/1/1999	Amer. Turquoise(T27S,R16W,S35)
GR031DRY	Samuel Munoz	7/15/1999	7/21/1999	Twin Sisters Creek
GR032DRY	Dana Bates	7/5/2000	7/8/2000	near Pinos Altos
GR033WET	Weston Wolff	7/10/2000	7/24/2000	Gold Gulch
GR034WET	Weston Wolff	8/15/2001	8/21/2001	Gold Gulch
GR035WET	Weston Wolff	9/3/2002	9/4/2002	Gold Gulch
GR050WET	Robert Batchler	2/23/1998	2/26/1998	BLACK SAND 1 CLAIM
GR051DRY	Mark Welch	1/24/2003		Steeple Rock Area
GR052WET	Weston Wolff	8/4/2003	8/4/2003	Gold Gulch
GR053DRY	John Scully	12/5/2003		Grant County
GR054WET	Weston Wolff	8/2/2004	8/3/2004	Gold Gulch
LI027DRY	Paul Plunkett	4/21/1998	4/28/1998	Ancho Gulch (T5S, R12E, S4)
LI028DRY	Amos Black III	6/7/1999	7/7/1998	Against the Wind in Ancho
OT031DRY	Harvey Snowden	8/26/1997	8/29/1997	Near Orogrande
OT032DRY	Harvey Snowden	8/31/1998	9/11/1998	Best Laugh Claim/Orogrande
OT033DRY	Amos Black III	6/7/1999	7/7/1998	Old Dry Placer No. 1 in Orogra
RA001WET	Rhonda Shinpoch	4/28/1997	5/8/1997	Placer Creek
RA002WET	Ed Shinpoch	5/18/1998	6/2/1998	Placer Creek
RA003WET	Charles Alston	3/16/1998	3/30/1998	Placer Creek
RA004WET	Terry Nelson	4/21/1997	4/24/1997	Placer Creek
RA005WET	Donavon Maddox	5/19/1997	5/22/1997	Placer Creek
RA006WET	James White	5/7/1997	5/10/1997	Negrito Creek
RA007WET	Thomas Sena	5/19/1997	5/29/1997	Placer Creek, Apache Creek
RA008WET	Buell Williams	5/19/1997	5/29/1997	Tres Piedras Area
RA009WET	Arnold Hale	5/19/1997	5/29/1997	Placer Creek

RA011WET	Steven Hill	5/19/1997	5/29/1997	Placer Creek, Percha Creek
RA012WET	Lynn Files	5/19/1997	5/29/1997	Placer Creek
RA014WET	Philip Fattori	5/27/1997	5/27/1997	Placer Creek
RA015WET	Stuart Scantlin	6/3/1997	6/18/1997	Placer Creek
RA016WET	Jim Edwards	6/17/1997	6/18/1997	Placer Creek
RA017WET	Harold Phelps	6/25/1997	6/30/1997	Placer Creek
RA018aDRY	Robert Threlkeld	3/28/1998	3/30/1998	Old Dry Placer #1/Against the
RA018WET	Robert Threlkeld	3/23/1998	3/30/1998	Placer Creek
RA019WET	Harold Conley	5/12/1998	6/11/1998	Placer Creek and near Tusa Mt.
RA024WET	Bruce Gibson	2/11/1998	2/24/1998	Placer Creek
RA026WET	David Eckles	4/30/1998	5/11/1998	Placer Creek
RA030WET	Richard Freeze	6/26/1998	7/6/1998	Placer Creek
RA031Wet	Willy Skigen	6/26/1998	7/6/1998	Placer Creek
RA032WET	Mike Cogburn	4/23/1999	5/15/1999	Placer Creek
RA033DRY	Richard Vondrak	5/11/1999	6/21/1999	Barela Canyon
RA034WET	Harold Phelps	5/24/1999	5/24/1999	Placer Creek
RA035WET	Amos Black III	6/7/1999	7/7/1998	Placer Creek No. 1-3
RA036WET	Mark Barber	6/25/1999	7/1/1999	Placer Creek
RA037WET	Robert Shoher	6/22/1999	7/1/1999	Placer Creek
RA038WET	Larry Melvin	8/9/1999	8/21/1999	Placer Creek
RA039WET	Ed Shinpoch	3/20/2000	3/23/2000	Placer Creek
RA040WET	Timothy Haller	3/20/2000	3/23/2000	Placer Creek
RA041WET	Richard Freeze	5/3/2000	5/17/2000	Placer Creek
RA042WET	Mike Cogburn	5/11/2000	5/17/2000	Placer Creek
RA043WET	Jeff Shute	5/26/2000	5/26/2000	Placer Creek
RA044WET	Harold Conley	5/30/2000	5/30/2000	Placer Creek
RA045WET	Robert Shoher	6/19/2000	7/1/2000	Placer Creek
RA046DRY	Richard Vondrak	6/20/2000	6/21/2000	Barela Canyon
RA047DRY	Robert Gibbens	7/2/2001	7/9/2001	PETACA TANTULUM
RA047WET	John Fegel	6/30/2000	6/30/2000	north Placer Creek
RA048WET	Richard Bird	6/29/2000	7/6/2000	Placer Creek
RA049WET	Don Classen	7/20/2000	7/21/2000	Placer Creek
RA050WET	Steve Klahn	4/12/2001	4/16/2001	Placer Creek
RA051WET	Amos Black III	5/11/2001	5/14/2001	Placer Creek
RA052WET	David Krenek	5/15/2001	5/16/2001	Placer Creek
RA053WET	Richard Bird	5/21/2001	5/21/2001	Placer Creek
RA054WET	Richard Freeze	5/21/2001	5/21/2001	Placer Creek
RA055WET	Ed Shinpoch	5/25/2001	5/29/2001	Placer Creek

RA056WET	Ron Burnside	5/31/2001	5/31/2001	Placer Creek
RA057WET	Richard Torres	6/5/2001	6/5/2001	Placer, Goose, Pioneer Creeks
RA058WET	Harold Conley	6/15/2001	6/15/2001	Placer Creek
RA061WET	Robert Shober	7/19/2001	7/20/2001	Placer Creek
RA062WET	John Garcia	8/1/2001	8/1/2001	Placer Creek
RA063WET	Norman Van Camp	2/27/2002	2/27/2002	Placer Creek
RA064WET	Amos Black III	4/12/2002	4/16/2002	Placer Creek
RA065WET	Ed Shinpoch	4/12/2002	4/16/2002	Placer Creek, Vallecitos Creek
RA066WET	Robert Shober	7/18/2002	7/18/2002	Placer Creek No. 1-3
RA067	Karl Murphy	4/25/2003		Placer Creek No. 1-3
RA068WET	Cecil Morrow	5/12/2003		Placer Creek No. 1-3
RA069WET	Jeff Jaramillo	5/28/2003	5/28/2004	Placer Creek No. 1-3
RA070WET	Ronald Stanley	6/1/2003	6/13/2003	Placer Creek No. 1-3
RA071WET	Gary Fannin	6/12/2003	6/13/2003	Placer Creek No. 1-3
RA072WET	Russel Palmer	6/6/2003	6/13/2003	Placer Creek No. 1-3
RA073WET	Joe Walker	7/30/2003	8/5/2003	Placer Creek, Apache Creek
RA074WET	Harold Phelps	8/12/2003	8/12/2003	Placer Creek
RA075WET	Matthew Hindi	8/14/2003	8/14/2003	Placer Creek
RA076WET	Jerry Emerson	11/7/2003		Placer Creek No. 1-3
RA078WET	Ronald Stanley	2/2/2004	2/25/2004	Placer Creek
RA079WET	Ed Shinpoch	4/2/2004	4/12/2004	Placer Creek
RA080WET	Joe Whitley	4/12/2004	4/20/2004	Placer Creek No. 1-3
RA081WET	Rex Anderson	4/21/2004	4/21/2004	Placer Creek No. 1-3
RA082WET	Robert Lipinski	5/18/2004	5/25/2004	
RA083WET	Richard Freeze	5/28/2004	6/3/2004	Placer Creek No. 1-3
RA084WET	David Alexander	5/28/2004	6/3/2004	Placer Creek No. 1-3
RA085WET	Alan Boissy	6/18/2004	6/21/2004	Placer Creek
RA77WET	Eugene Leggett	1/8/2004	1/20/2004	Placer Creek, Apache Creek
SA021DRY	David Barnhill	3/13/1998	3/30/1998	Insanity #1 Claim
SA022DRY	Craig Muma	11/23/2004		S 19, T17N, R2W
SF001DRY	Michael Bailey	1/24/2003		Cerriose Area
SF002DRY	Tim Haller	2/10/2004		Golden, NM
SF003DRY	Paul Plunkett	6/12/2004	6/16/2004	San Pedro
SI028DRY	Paul Plunkett	4/21/1998	4/28/1998	Animas Gulch (T15S, R7W, S25)
SI029DRY	Amos Black III	6/7/1999	7/7/1998	Sunrise Claim No. 1-4 in Kings
SI029WET	John Williams, Jr.	3/3/2003		Elephant Butte
SM050WET	Robert Staffel	7/2/2001	7/2/2001	Willow Creek

SO001DRY	Paul Plunkett	1/26/1999	3/1/1999	Crestone Lode Mine - Magdalena
SO002DRY	Ramon De Mark	1/24/2000	2/9/2000	south of Bingham, NM
SO003DRY	Michael Sanders	2/7/2000	2/9/2000	south of Bingham, NM
SO004DRY	Tom Nelson	3/9/2000	3/10/2000	south of Bingham, NM
SO005DRY	Thomas Massis	5/15/2000	5/18/2000	south of Bingham, NM
SO006DRY	John Scully	12/3/2003		Socorro County
SO007DRY	Jo Drake	2/27/2004	3/5/2004	Socorro County
TA010DRY	Vaughn Sowards	5/20/1997	5/22/1997	Cerrito Dormilon, Petaca Peak
TA013DRY	S. Glassmire	2/25/1999	3/1/1999	Latir Peak
TA014WET	Robert Lipinski	6/29/2004	7/6/2004	
TA015WET	Jeff Jaramillo	8/16/2004	8/18/2004	Rio Hondo
Total Number of General Permits Submitted = 118				

Appendix #2 Financial Assurance for New Mexico Operations

Table 10. Financial Assurance

Mine	Amount	Acres	Instrument	Operator	Surety	App
Asarco Deming Mill	\$850,000.00	56.5	Surety Bond	Asarco, Inc., Phoenix, AZ	Seaboard Surety Co., New York, NY, Paul Salmon	
B.O.W Mine	\$15,932.00	10	Letter of Credit	B.O.W. Corporation, El Paso, TX	Bank of the West, El Paso, TX 79901	
Bonito Gold/Silver Project	\$200.00	3	Cash	David Dunn, Vancourver, BC	Pioneer Savings Bank, Ruidoso, NM, April Rue	
Brockman Mine	\$276,900.00	40	Letter of Credit	Phelps Dodge Mining Co., Hurley, NM	Bank of America, Los Angeles, CA, Valerie Bianchi	
Burbank Canyon	\$30,000.00	9.9	Certificate of Deposit	Agent for The Beenah Group/Titan Mining, Newbury Park, CA	First State Bank, Albuquerque, NM, Janice Alvidrez	
Capitan Iron Mine	\$15,000.00	3	Certificate of Deposit	El Capitan Ltd., Capitan, NM	Oklahoma Bank and Trust, Clinton, OK, G.W. Lowry, President	
Center Mine	\$12,500.00	6	Surety Bond	Douglas Hanson, Duncan, AZ	Fronteir Insurance, Rock Hill, NY	
Chemical Lime Mine & Mill	\$40,243.00	19	Surety Bond	Chemical Lime Company, Fort Worth, TX	National Union Fire Insurance Company	
Chino Limestone Quarry	\$101,800.00	49	Surety Bond	Chino Mines Company, Hurley, NM	American Home Assurance, Los Angeles, CA	
Chino Mine	\$128,084,608.00	9416	Third Party Guarantee	Chino Mines Company, Hurley, NM	Phelps Dodge Corporation, One North Central Avenue, Phoenix, AZ 85004-4416	
Chino Mine	\$64,042,304.00		Trust	Chino Mines Company, Hurley, NM	Wells Fargo Bank, National Association, Corporate Trust Services, MAC S4101-080, Phoenix, AZ 85003	
Continental Open Pit Mine/Mill	\$1,787,054.00	1120	Surety Bond	Cobre Mining Co., Hurley, NM	American Home Assurance, Los Angeles, CA	
Copar South Pit	\$33,516.00	6	Letter of Credit	Copar Pumice Co., Espanola, NM	Valley National Bank, Espanola, NM, Michael Warren	
Copper City Mine	\$800.00	1	Cash	Crystal Mining Corp., Albuquerque, NM	Norwest Bank, Albuquerque, NM, David Hicks	
CR Minerals Mill	\$127,439.00	5	Surety Bond	CR Minerals Company, Llc, Santa Fe, NM	Safeco Insurance Company, Seattle, WA, Tracy Gingras	
Cullum Pumice	\$161,500.00	20	Surety Bond	Lafarge Southwest, Inc., Albuquerque, NM	Safeco Insurance Company, Seattle, WA, Tracy Gingras	
Cyprus Pinos Altos Deming Mill	\$132,588.00	20	Surety Bond	Phelps Dodge Mining Co., Hurley, NM	American Home Assurance, Los Angeles, CA	
Deming Minerals Jigging Plant	\$100,000.00	15	Surety Bond	American Minerals, Inc., El Paso, TX	General Accident Insurance, Philadelphia, PA	

Eagle Mesa Mine	\$7,270.00	3	Letter of Credit	Rammsco, Inc., Katy, TX	International Bank, Raton, NM, (505) 445-2321, Ronald Schmeits
El Cajete Mine	\$78,747.00	26	Letter of Credit	Copar Pumice Co., Espanola, NM	Valley National Bank, Espanola, NM, Michael Warren
El Cajete Mine	\$12,103.00		Letter of Credit	Copar Pumice Co., Espanola, NM	Valley National Bank, Espanola, NM, Michael Warren
El Grande Mine/Mill	\$711,497.00	170	Letter of Credit	Dicaperl Minerals Corp., Antonito, CO	PNC Bank, Philadelphia, PA
Farmers Back Breaker	\$15,000.00	10	Certificate of Deposit	Jack Sills, Glenwood Spring, CO	First New Mexico Bank, Silver City, NM, (505) 388-3121, Martha Stuart
Georgetown Mine	\$21,500.00	3	Certificate of Deposit	Sierra Corp., Fort Worth, TX	First New Mexico Bank, Silver City, NM, (505) 388-3121, Martha Stuart
Hiawatha And Little Jim Claims	\$8,940.00	2	Certificate of Deposit	Volcanic Stone Company, Albuquerque, NM	Sierra Bank, Truth or Consequences, NM, Jerry Stagner
Jersey Lily, Snowflake, Virtue Mines	\$46,600.00	22	Surety Bond	Tyrone Mining LLC, Tyrone, NM	American Home Assurance, Los Angeles, CA
KB Mine	\$24,182.00	41	Certificate of Deposit	Southwest Silica Flux Co., Inc., Hanover, NM	First New Mexico Bank, Silver City, NM, (505) 388-3121, Martha Stuart
KM Mine	\$8,124.00	9	Certificate of Deposit	Southwest Silica Flux Co., Inc., Hanover, NM	First New Mexico Bank, Silver City, NM, (505) 388-3121, Martha Stuart
Little Rock Mine	\$1,355,400.00	88	Surety Bond	Tyrone Mining LLC, Tyrone, NM	American Home Assurance, Los Angeles, CA
Lordsburg Dist. /North Atwood Portal	\$17,603.00	15	Certificate of Deposit	Lordsburg Mining Co., T or C, NM	Well Fargo Bank, Las Cruces, NM
Lucero Quarry	\$24,515.00	9	Certificate of Deposit	New Mexico Travertine, Belen, NM	Norwest Bank, Los Lunas, NM, (505) 865-9618, Lori Padilla
Mathis Lime Quarry	\$3,000.00	16.6	Certificate of Deposit	Mathis And Mathis Mining Co., Texarkana, TX	Regions Bank, Texarkana, TX, Jim Long
Mesa Verde Resources Mill - Reid	\$18,856.00	5.3	Surety Bond	Reid Enterprises, LLC, Rio Rancho, NM	Fronteir Insurance Company, Nashville, TN
Mount Taylor Mine	\$715,056.00	147	Surety Bond	Rio Grande Resources Corp., Grants, NM	General Accident Insurance, Philadelphia, PA
No Agua Mine/Mill	\$833,121.00	276	Surety Bond	Harborlite Corp., Antonito, CO	St. Paul Fire & Marine Insurance Company, St. Paul, MN
Old Stope Leaching/Ambrosia Lake Mill	\$577,616.00	85	Letter of Credit	Rio Algom Mining LLC, Grants, NM	Imperial Bank of Canada, New York Agency, New York, NY
Pinos Altos Mine	\$343,600.00	9	Surety Bond	Phelps Dodge Corporation, Phoenix, AZ	American Home Assurance, Los Angeles, CA
Pueblo Alto Mine - Reid Enterprises	\$21,051.00	10	Surety Bond	Reid Enterprises, LLC, Rio Rancho, NM	Fronteir Insurance Company, Nashville, TN

Questa Tailings Facility	\$23,027,393.00	640	Surety Bond	Molycorp, Inc. Questa Div., Questa, NM	Fireman's Fund Insurance Co., Dallas, TX
Questa Mine/Mill	\$133,976,073.00	800	Third Party Guarantee	Molycorp, Inc. Questa Div., Questa, NM	Union Oil Company of California
Ray Claims 4&6	\$20,405.00	10	Certificate of Deposit	International Stone Company, Scottsdale, AZ	Compass Bank, PO Box 4444, Houston, TX 77210-4444
Rocky Mountain Mine	\$289,810.00	75	Surety Bond	CR Minerals Company, Llc, Santa Fe, NM	Safeco Insurance Company, Seattle, WA, Tracy Gingras
Sais Quarry	\$2,661.00	1	Certificate of Deposit	New Mexico Travertine, Belen, NM	Norwest Bank, Los Lunas, NM, (505) 865-9618, Lori Padilla
San Luis Mine	\$25,000.00	10	Letter of Credit	Horizon Ag-Products, Modesto, CA	Bank One, 8999 E. Shea Blvd., Scottsdale, AZ 85260
San Pedro Mine/Mill	\$8,288.00	9.5	Certificate of Deposit	St. Cloud Mining Co., T Or C, NM	Well Fargo Bank, Las Cruces, NM
Socorro Perlite Mine/Mill	\$688,166.00	165	Letter of Credit	Dicaperl Minerals Corp., Socorro, NM	PNC Bank, Philadelphia, PA
St. Cloud/US Treasury Et Al MineS / Mill	\$1,857.00	3	Certificate of Deposit	St. Cloud Mining Co., T Or C, NM	Wells Fargo Bank, Las Cruces, NM
Star Lake Mine/Menefee Mining	\$16,000.00	3	Certificate of Deposit	Menefee Mining Corp., Dallas, TX	Wells Fargo Bank, Cuba, NM
Star Lake Mine/Menefee Mining	\$13,000.00	9.4	Surety Bond	Menefee Mining Corp., Dallas, TX	United States Fidelity, Baltimore, MD
Star Lake Mine-Reid Enterprises	\$13,277.00	20	Surety Bond	Reid Enterprises, LLC, Rio Rancho, NM	Fronteir Insurance Company, Nashville, TN
Tijeras Plant And Quarry	\$3,750,000.00	530	Third Party Guarantee	GCC Rio Grande, Inc., Tijeras, NM	Grupos Cementos de Chihuahua (third-party), Travelers Casualty (bonds)
Toro Mining and Minerals, Inc	\$9,300.00	10	Certificate of Deposit	Sam Cooper, Mill Creek, OK	Landmark Bank, N.A., 1616 E. Arlington, Ada, OK 74820
Tyrone Mine/Mill	\$57,975,900.00	7440	Surety Bond	Tyrone Mining LLC, Tyrone, NM	American Home Assurance, Los Angeles, CA
Tyrone Mine/Mill	\$6,256,604.00		Letter of Credit	Tyrone Mining LLC, Tyrone, NM	Scotiabank, New York Agency, One Liberty Plaza, New York, NY 10006
Tyrone Mine/Mill	\$189,542,509.00		Third Party Guarantee	Tyrone Mining LLC, Tyrone, NM	Phelps Dodge Corporation, One North Central Avenue, Phoenix, AZ 85004-4416
Tyrone Mine/Mill	\$17,000,000.00		Trust	Tyrone Mining LLC, Tyrone, NM	Wells Fargo Bank, National Association, Corporate Trust Services, MAC S4101-080, Phoenix, AZ 85003
U. S. Hill Mine (FIM Mica Mine)	\$573,849.00	49	Surety Bond	Oglebay Norton Specialty Minerals, Velarde, NM	St. Paul Fire & Marine Insurance Company, St. Paul, MN
U-Mate Mine	\$8,844.00	2	Certificate of Deposit	U-Mate International, Inc., Scottsdale, AZ	Norwest Bank, Santa Fe, NM, (505) 984-8500
Velarde Mill (FIM Mica Mill)	\$287,821.00	17	Surety Bond	Oglebay Norton Specialty Minerals, Velarde, NM	St. Paul Fire & Marine Insurance Company, St. Paul, MN

Volcano Mine	\$28,652.00	8	Collateral Bond	Dane Mining & Exploration, Ltd., Columbia, MO	Hidalgo Abstract & Title, Lordsburg NM
Warner Gulch Mine And Mill	\$10,000.00	2	Letter of Credit	American Eagle Mining Company, Carlsbad, NM	ALO Employees Federal Credit Union, Albuquerque, NM, Georgia Newlin
Zeolite Mine (Stone House)	\$130,029.00	37	Collateral Bond	St. Cloud Mining Co., T Or C, NM	The Goldfield Corporation, Melbourne, FL
Zeolite Mine (Stone House)	\$54,801.00		Certificate of Deposit	St. Cloud Mining Co., T Or C, NM	Wells Fargo Bank, Las Cruces, NM
	\$634,366,404.00	21587			