

**2005
ANNUAL REPORT
MINING ACT RECLAMATION
PROGRAM**

TO THE NEW MEXICO MINING COMMISSION



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

COVER PHOTOS

The photos on the cover of the annual report were taken at the Las Conchas/El Cajete Mine, during the summer of 2005. The Las Conchas/El Cajete Mine is owned and operated by Copar Pumice Co. of Espanola. The photo on the left-hand side of the page shows on-going operations at the El Cajete portion of the mine. The photo on the right-hand side of the page shows the reclaimed Las Conchas portion of the mine. Copar initiated reclamation at Las Conchas in summer and fall of 1996. The 18.5 acres of the Las Conchas portion of the site has been completely reclaimed, and sections of the El Cajete side are now undergoing reclamation. The site is an active open-pit pumice operation, located on U.S. Forest Service land, in the Jemez Mountains, on the southwest edge of the Valle Grande Caldera. The U.S. Forest Service and the Mining Act Reclamation Program have been working together, since 1994, monitoring active operations and continuing reclamation at this site.

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1. INTRODUCTION

Part 13 of the New Mexico Mining Act Rules (the Rules) requires 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 for the State.

This report identifies activities related to the permitting and regulation of mines under the Mining Act, for the time period from January 2005 through December 2005. It also provides tables identifying all mining operations having obtained or submitted a permit application 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 2004 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 versus unreclaimed acreage in this section originates from data provided to MMD in annual reports provided by the mine operators, and identifies activities, which have taken place during the period from January 1, 2004 to December 31, 2004.

Finally, Section 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. MMD is currently petitioning the Commission to look at changes proposed for Part 2, Fees, of the New Mexico Mining Act Regulations.

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.

A number of new mines, that is operations initiating activity after June 1993, have been added to the list. These new mines all fall under the category of minimal impact exploration and mining operations. Exploration operations are small extractive operations, typically under 5 acres, involved in the sampling of ore bodies prior to full-scale mine development. This year we've seen a significant increase in the number of new exploration applications submitted and approved. 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 201. All mining operations, which have submitted permit applications under the categories of Regular Existing, Minimal Impact, Exploration and General Permit, are identified in Tables 8 through 11 in Appendix No.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. Although some of the applications have not been approved, the program spends a significant amount of time evaluating and developing these permits or conducting enforcement actions related to them.

Table 1 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 2005 and identifies applications, which have been approved and those still pending. Modifications and Revisions can be just as time consuming in processing and approving as first time 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 Continental Mine Closeout Plan. The Closeout Plan was a major revision to the Continental Mine permit, and involved a detailed reclamation plan, on-going studies, extended negotiations with the operator, other agencies and the public, and the establishment of \$29 million in financial assurance.

Table 3 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 two UNC mines, St. Anthony Mine, and Section 27 Mine, were involved in a lengthy court battle and are now working with MMD to develop permits. The permits including closeout plans should be completed in early 2006. Two other operations, the Clodbuster Mine and the Eberle/Challenge, have been issued several notices of violation 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 is now deceased 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 Approved Since 1994

Type	Description	Number of Operations
Regular Mining Operations	>10 acres of disturbance.	29
Minimal Impact Existing	<10 acres of disturbance	24
Minimal Impact New	<10 acres of disturbance	19
Regular Exploration	> 5 acres of disturbance	2
Minimal Impact Exploration	<5 acres of disturbance	75
General (Recreational)	<200 cubic yards/yr of disturbance	124
Total Mining Operations Permitted		273

Table 2. 2005 Approved and Pending Permit Applications

Type	Description	Number of Operations		
		Pending	Approved	Denied
Regular Mining Operations	>10 acres of disturbance	2	1	
Minimal Impact Mining Operations	<10 acres of disturbance	4	2	
Exploration Operations	<5 acres of disturbance	4	7	2
General Permits	<200 cubic yards/yr of disturbance	1	15	
Revisions or	Revision to an Existing Permit	3	2	
Modifications	Modification to an Existing Permit	11	11	

Table 3. Existing Mining Operations without approved Closeout Plans

Mine Name	Operator	Disturbed Acres
St. Anthony Mine	United Nuclear Corp	430
Section 27	United Nuclear Corp.	15
Clodbuster	Agronics	27
Challenge/Eberle	Dick Manning	17
Nacimiento Mine	Leaching Technology, Inc.	611
General Pumice	City of Espanola	10

3. RECLAMATION PRACTICES UNDER THE NEW MEXICO MINING ACT

A total of 28 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; Boston Hill; San Pedro; KB Mine; KM Mine; Jersey Lily, Snowflake, Virtue; Brockman; Chino Limestone; Hiawatha and Little Jim; and Pinos

Altos.

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. However, the Mining Act Program does not count interim reclaimed acreage as acreage reclaimed under the Mining Act, so this acreage will not be counted in the figures provided later in this report.

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 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. To date the test plot program is successful, however, it will take several years before meaningful vegetation data is available. Phelps Dodge has constructed 24 acres of test plots at the Chino Mine and 20 acres of test plots at the Tyrone Mine. Tyrone will have another 52 acres of test plots by the end of 2006. Phelps Dodge will also be constructing test plots at the Continental Mining operation in 2006. 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 2004 annual reports, a total of 215 acres were reclaimed in 2004. The biggest contributor to this total in 2004 was the Tyrone Mine where 130 acres of reclamation took place. The total number of acres reclaimed, for the entire program, through calendar 2004 is 1,044 acres. The mine that has contributed the most acreage to this figure in total is the Cunningham Hill Mine, in Santa Fe County. Operator, LAC Minerals, reclaimed 289 acres of the site in the early 1990s. The overall disturbed acreage under permit with the Mining Act Reclamation Program is 22,242 acres. Table 4 shows the approximate number of acres disturbed and reclaimed, as of December 2004, for each mine under permit with the Mining Act Reclamation Program.

During the 2005 calendar year the Phelps Dodge Mining Company has continued a large-scale project addressing the clean up and reclamation of tailings ponds and waste rock piles at their

Tyrone Mine in Grant County. The project includes tailings released in a 1980 spill, the No. 3X, and 3 tailings ponds, the 1C stockpile; and the No. 1 stockpile, the Burro Mtn Tailings unit, and the mill concentrator portion of the mine. By the end of 2005 Phelps Dodge will have initiated reclamation on 186 acres of spilled tailings and 280 acres associated with the No. 3X tailings facility. In 2006 Phelps Dodge is on schedule to complete the reclamation of 112 acres associated with the 1C stockpile, 30 acres associated with the mill and concentrator area, the 450 acre, No. 3 tailings pond, and the 150 acre, No. 1 stockpile. Phelps Dodge has spent over \$19 million on reclamation activities, during the period from August of 2003 through October 2004. Phelps Dodge is planning to reclaim another 4,600 acres of tailings over the next seven years at the Chino, Cobre, and Tyrone Mines.

In 2004, Molycorp initiated mitigation work on the Goat Hill North Stockpile. That work was completed in mid-August 2005. The work was performed to address a potential instability issue related to the stockpile. The project has been the focus of public interest since June 2003. The Mining Act Reclamation Program took the lead role in approval of the mitigation plans and oversight of the project. In order to prevent a catastrophic rock slide, Molycorp moved massive amounts of rock down slope to establish a berm. The slopes were regraded to improve revegetation success. Molycorp plans to establish test plots on portions of the regraded Goat Hill North slopes. The rock pile will continue to be monitored for movement, to further verify the success of the mitigation efforts.

Table 4. Total Number of Acres Disturbed and Reclaimed as of December 2004

Permit Number	Name	Permit Type	Disturbed Acres To Date	Reclaimed Acres To Date
BE001RE	Tijeras Plant And Quarry	Regular Existing	537.00	0.00
CA002MN	Deadwood/Last Chance	Minimal Impact New	2.00	0.00
CA003ME	Hiawatha And Little Jim Claims	Minimal Impact Existing	2.00	0.00
CI002RE	Mount Taylor Mine	Regular Existing	66.00	0.00
CI003MN	ANP No. 2 Mine	Minimal Impact New	2.00	0.00
CI004MN	Haskani Mine	Minimal Impact New	5.00	0.50
CI005RE	Tinaja Pit	Regular Existing	40.00	0.00
CI006MN	Ray Claims 4&6	Minimal Impact New	6.00	0.50
GR001RE	Pinos Altos Mine	Regular Existing	9.00	9.00
GR002RE	Continental Open Pit Mine/Mill	Regular Existing	860.00	10.00
GR006RE	Chino Limestone Quarry	Regular Existing	55.00	55.00
GR007RE	Little Rock Mine	Regular Existing	88.00	0.00
GR008RE	Jersey Lily, Snowflake, Virtue Mines	Regular Existing	22.00	17.00
GR009RE	Chino Mine	Regular Existing	9,416.00	0.00
GR010RE	Tyrone Mine/Mill	Regular Existing	7,440.00	154.30
GR011ME	Summit Mine	Minimal Impact Existing	3.00	0.00
GR012MN	KB Mine	Minimal Impact New	41.00	36.00
GR018ME	Banks Mine (Lost New Summit Mine #1)	Minimal Impact Existing	3.00	0.00
GR020RE	Georgetown Mine	Regular Existing	2.00	0.80
GR025ME	Mathis Lime Quarry	Minimal Impact Existing	5.00	0.00
GR028RE	Center Mine	Regular Existing	5.00	0.00
GR029ME	Mount Royal Mine and Mill	Minimal Impact Existing	1.00	0.00
GR030ME	Chemical Lime Mine & Mill (Mathis Lime)	Minimal Impact Existing	10.00	0.00
GR031MN	Toro Perlite Mine	Minimal Impact New	0.00	0.00
HI001RE	Lordsburg Dist. / North Atwood Portal	Regular Existing	15.00	5.00
HI002RE	Brockman Mine	Regular Existing	40.00	35.00
HI004MN	KM Mine	Minimal Impact New	9.00	8.00
HI008ME	Volcano Mine	Minimal Impact Existing	8.00	0.00
LI001ME	Warner Gulch Mine And Mill	Minimal Impact Existing	2.00	2.00
LI005ME	Capitan Iron Mine	Minimal Impact Existing	3.00	0.00
LU001RE	Deming Minerals Jigging Plant	Regular Existing	15.00	0.00
LU008RE	Cyprus Pinos Altos Deming Mill	Regular Existing	20.00	20.00
LU009RE	Asarco Deming Mill	Regular Existing	56.50	0.00
MK002RE	Section 35 Uranium Mine	Regular Existing	40.00	30.00
MK003ME	Star Lake Mine - Menefee Mining	Minimal Impact Existing	3.00	2.00
MK005RE	Section 27 Mine	Regular Existing	15.00	0.00
MK006RE	St. Anthony Mine	Regular Existing	430.00	0.00
MK007ME	Star Lake Mine - Reid Enterprises	Minimal Impact Existing	22.70	11.60
MK008ME	Pueblo Alto Mine - Reid Enterprises	Minimal Impact Existing	10.00	7.00

MK009RE	Old Stope Leaching/Ambrosia Lake Mill	Regular Existing	230.00	230.00
MK010MN	U-Mate Mine	Minimal Impact New	2.00	0.00
MK011MN	Morningstar Mine	Minimal Impact New	14.00	12.00
OT002MN	B.O.W. Mine	Minimal Impact New	0.00	0.00
RA001ME	Northstar	Minimal Impact Existing	5.00	0.00
RA003ME	Cullum Pumice	Minimal Impact Existing	20.00	0.00
RA004RE	Rocky Mountain Mine	Regular Existing	83.50	0.00
RA005RE	Velarde Mill	Regular Existing	17.00	0.00
RA006ME	General Pumice	Minimal Impact Existing	10.00	0.00
SA001RE	Las Conchas/El Cajete Mine	Regular Existing	30.00	17.50
SA004MN	Copar South Pit	Minimal Impact New	9.00	3.00
SA005ME	Menefee Mining Corp. Mill	Minimal Impact Existing	9.70	0.00
SA009MN	Eagle Mesa Mine	Minimal Impact New	3.00	0.00
SA010ME	Mesa Verde Resources Mill	Minimal Impact Existing	5.00	0.00
SA011MN	San Luis Mine	Minimal Impact New	5.00	0.00
sf001me	San Pedro Mine/Mill	Minimal Impact Existing	9.90	0.00
SF002RE	Cunningham Hill/Ortiz	Regular Existing	307.00	289.00
SF003ME	Silver Silica	Minimal Impact Existing	3.00	0.00
SF006ME	CR Minerals Mill	Minimal Impact Existing	5.00	0.00
SI001ME	St. Cloud/US Treasury Mine	Minimal Impact Existing	6.00	2.00
SI005MN	Burbank Canyon	Minimal Impact New	8.00	0.00
SI006RE	Zeolite Mine	Regular Existing	37.00	12.00
SI007ME	Midnight Mine	Minimal Impact Existing	4.00	0.00
SO001RE	Socorro Perlite Mine/Mill	Regular Existing	165.00	41.00
SO002MN	Sais Quarry	Minimal Impact New	1.00	0.00
TA001RE	Questa Mine/Mill	Regular Existing	1440.00	21.00
TA002RE	El Grande Mine/Mill	Regular Existing	170.00	0.00
TA003RE	U. S. Hill Mine	Regular Existing	49.00	11.50
TA005RE	No Agua Mine/Mill	Regular Existing	276.00	0.00
VA001ME	Lucero Quarry	Minimal Impact Existing	9.00	0.00
Total Acreage			22,242	1,044.00

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 Act.

Table 5. Summary of Production, Production Value, Employment, Payroll, Revenue and Rank Information for Mineral Commodities, in New Mexico, in 2004

Mineral	Production ¹	Prod. Rank ²	Prod. Value \$	Employment ³	Payroll \$	Revenue Generated \$ ⁴	
						State	Federal
Coal	27,409,820	12	633,411,910	1,466	104,382,598	24,023,677	6,302,401
Copper	269,574,632	3	347,747,576	1,182	37,750,161	1,127,012	-
Gold	7,443	10	3,046,145	-	-	23,698	-
Industrial Minerals ⁵	2,379,183	-	168,557,974	652	21,930,790	872,771	-
Aggregates ⁶	34,547,746	-	103,810,297	1,371	15,200,557	632,338	-
Molybdenum	3,734,659	5	60,924,912	197	7,000,000	-	-
Magnetite	38,141	-	455,645	8	424,959	-	-
Potash ⁷	1,069,265	1	237,819,345	954	52,220,636	1,714,026	1,835,339
Silver	162,512	10	1,146,078	-	-	5,837	-
Uranium ⁸	-	-	-	39	1,800,000	-	-
TOTAL			1,556,919,881	5,869	249,677,524	28,399,359	8,137,740

¹ Production for coal, industrial minerals, potash, magnetite and aggregates is reported in short tons; copper, molybdenum and uranium in pounds; and gold and silver in troy ounces.

² Production rank is based on quantity produced in relation to other U.S. states. Coal rank is based on calendar year 2004; all other ranks on calendar year 2003. Sources: Metals, industrial minerals & aggregates, U.S.G.S. Mineral Resources Program (<http://minerals.er.usgs.gov/>); Coal, DOE's Energy Information Administration (www.eia.doe.gov).

³ Category includes direct and contract employees. Gold and silver are co-products of copper production; employment and payroll for these commodities are reported in the copper numbers.

⁴ State revenues include royalties/rentals from state trust land mineral leases and severance, resources excise and energy conservation tax revenues. Federal revenue (FY2004) includes 50% state share of federal royalties (Onshore Collections in CY 2004). State data from N.M. 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 K20 mill production.

⁸ Employment and payroll numbers are for reclamation activity at Ambrosia Lake.

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

Table 6. Production Rank, Locations and Employment for Selected Industrial Mineral Commodities, 2004

Commodity	Prod. Rank¹	County	Employees²
Clay		Bernalillo	2
Dimension & Flagstone		Valencia	25
Gypsum	13	Bernalillo, Dona Ana, Sandoval	222
Humate		Sandoval, San Juan, McKinley	13
Limestone		Bernalillo	100
Mica	2	Rio Arriba, Taos	26
Perlite	1	Socorro, Taos	67
Pumice	3	Sandoval, Santa Fe, Rio Arriba	46
Salt	11	Eddy	68
Sand		Santa Fe	3
Scoria		Santa Fe	33
Silica / Flux		Grant, Hidalgo	2
Zeolites	1	Sierra	45
TOTAL			652

¹ Source: USGS 2003 Ranking

² Includes both direct and contract employees.

5. FINANCIAL ASSURANCE UPDATE

Table 13 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 (real estate) and third party guarantees. Financial assurance posted with MMD to date totals over \$662 million. The acreages related to the St. Anthony Mine, Section 27 Mine, and General Pumice Mine are not included in this total because the closeout plans have not yet been approved nor has financial assurance been posted.

6. AMENDMENTS TO THE NM MINING ACT RULES

MMD is petitioning the Mining Commission in 2005 for a change to the Mining Act Rules regarding fees. These changes include: a renewal of the existing fee structure, a change to the annual fee due date from June 30th to April 30th of each year, and a surcharge of 75 percent to operations over 500 acres. The MMD petition will be heard on November 16, 2005.

Table 7. Mining Act Reclamation Program Staff

Employee Name, Title	Telephone	E-Mail Address
Karen Garcia, Bureau Chief	(505) 476-3435	karen.garcia@state.nm.us
Holland Shepherd, Program Manager	(505) 476-3437	holland.shepherd@state.nm.us
David Otori, Reclamation Specialist – Supervisor	(505) 476-3438	david.otori@state.nm.us
Terence Foreback, Senior Environmental Engineer – Professional Mine Engineer	(505) 476-3432	terence.foreback@state.nm.us
Steve Lucero, Reclamation Specialist – Geologist/Hydrologist	(505) 476-3434	stephen.lucero@state.nm.us
Mickey Jojola, Reclamation Specialist – Soil Scientist	(505) 476-3439	mickey.jolola@state.nm.us
Diana Sainz, Records Manager	(505) 476-3433	diana.m.sainz@state.nm.us
Vacant position, Reclamation Specialist		
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Appendix No.1 Mining Operations in New Mexico

Table 8. Regular Existing Mines, as of December 2005

Permit Number	Mine Name	Operator	Permit Status	Mine Status	Commodity
BE001RE	Tijeras Plant And Quarry	GCC Rio Grande Inc.	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	URANIUM
CI005RE	Tinaja Pit	C & E Concrete, Inc	Approved	Active	LIMESTONE
GR001RE	Pinos Altos Mine	Phelps Dodge Mining Company	Approved	Inactive	METALS, SIFL
GR002RE	Continental Open Pit Mine/Mill	Cobre Mining Co.	Approved	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/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 Mine	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	Inactive	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
MK001RE	Section 35 Mine	Rio Algom LLC	Approved	Inactive	URANIUM
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	Inactive	URANIUM
RA004RE	Rocky Mountain Mine	CR Minerals LLC	Approved	Active	PUMICE
RA005RE	Velarde Mill	Oglebay Norton Specialty Minerals	Approved	Inactive	MICA
SA001RE	Las Conchas/EI Cajete Mine	Copar Pumice Co.	Approved	Active	PUMICE
SA002RE	Clod Buster Mine/Mill	Agronics Inc.	Enforcement	Inactive	HUMATE
SA003RE	Nacimiento Mine	Leaching Tech. Inc.	Denied	Inactive	CU
SF002RE	Cunningham Hill/Ortiz	Lac Minerals Co.	Approved	Inactive	AU
SI006RE	Zeolite Mine	St. Cloud Mining Company	Approved	Active	ZEOLITE
SO001RE	Socorro Perlite Mine/Mill	Dicaperl Corporation	Approved	Active	PERLITE

Permit Number	Mine Name	Operator	Permit Status	Mine Status	Commodity
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	Picuris Pueblo	Approved	Inactive	MICA
TA005RE	No Agua Mine/Mill	Harborlite Corp.	Approved	Active	PERLITE
Total Regular Existing Mine Permit Applications =		35			
Total Regular Existing Mine Permits Approved =		29			

Table 9. Minimal Impact Existing Mines, as of December 2005

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
RA001ME	Northstar	Northstar Family Trust	Pending	Inactive	Gold
RA003ME	Cullum Pumice	Pueblo of Santa Clara	Approved	Inactive	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
SF001ME	San Pedro Mine	St. Cloud Mining Co.	Approved	Inactive	COPPER/GOLD
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 Impact Existing Mine Permit Submittals = 25

Total Number of Minimal Impact Existing Mines Approved = 24

Table 10. Minimal Impact New Mines, as of December 2005

Permit Number	Mine Name	Operator	Permit Status	Mine Status	Commodity
CA002MN	Deadwood/Last Chance	Micrex Development Corp.	Approved	Inactive	SIO2, AG
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	PRECIOUS METALS
DA004MN	Coyote #1 Mine	Greg Richards	Pending	Inactive	ZEOLITES
DA004MN	Coyote #1 Mine	Greg Richards	Pending	Inactive	ZEOLITES
GR012MN	KB Mine	Southwest Silica Flux Co.,Inc.	Approved	Inactive	SIO2
GR023MN	Copper Conglomerate Project	Copper Creek Exploration	Dropped	Inactive	CU
GR022MN	Farmers Back Breaker	Larry Moore	Dropped	Inactive	AU
GR031MN	Toro Mine	Toro Mining and Minerals, Inc.	Approved	Inactive	PERLITE
GR056MN	McCauley Project	St. Cloud Mining Co.	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
OT003MN	Joel Nanez Mine	Joel Nanez	Pending	Inactive	GYPSUM
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
SO005MN	San Lorenzo Mine	Tim Apodoca	Approved	Inactive	GOLD

Total Number of Minimal Impact New Mine Permit Applications = 30

Total Number of Minimal Impact New Mine Permits Approved = 19

Table 11. Exploration Projects, as of December 2005

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
CA006EM	DEEP CREEK	DEREK KUESTER	Au, Ag, Cu	Approved
CA007EM	Faith Mining Association	Faith Mining Association	Au, Ir, Pd, Rh, Ru, Os, Pt	Approved
CA009EM	Apache Camp Exploration	Faith Mining Association	Au	Approved
CI001EM	ANP NO. 1	ACID NEUTRALIZATION PRODUCT, INC.	Travertine	Approved
CI002EM	LA JARA MESA CONFIRMATION DRILL	ANACONDA RESOURCES, INC.	U	Approved
CI004EM	Twenty Two	Jim Herrison	Travertine	Approved
DA001EM	Alivio Exploration Project	Louis Gonzales	Au	Approved
DA001ER	Shamrock Environmental	Shamrock Environmental	Heavy Metals	Approved
DA002EM	Golden Link Exploration	Don Snodgrass	Ag, Au	Approved
GR001EM	DEADMAN CANYON	COPPER CREEK EXPLORATION LTD.	Cu	Approved
GR002EM	PINOS ALTOS PROJECT	PINOS ALTOS GOLD EXP. INC.	Au	Approved
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	Ag, Au	Pending
GR025EM	Lawrence Pierce	Lawrence Pierce	Au	Approved
GR026EM	GUTAPA PROJECT	SUNBURST MINING CORP.	Au, Pt	Approved

GR027EM	Neglected Mine	William Hinkle, Jr	Ag, Au, Cu	Approved
GR028EM	Thornwell Exploration	Thornwell Rogers	Ag, Cu, Zn	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
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
LI004EM	M&R Project	Richard Mendoza	Rare Earth	Approved
LU001EM	VICTORIO PROJECT	LONE MTN MINING LTD.	Au	Approved
LU002EM	Homer's Little Diggings	Homer Nute	Agate	Approved
LU003EM	Mahoney Exploration Project	James M. Telford	Zn	Approved
LU010EM	Cameo Exploraition	Philip Chambless	Etc	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
RA002EM	Mid Way Exploration	Al Puckett	Au	Approved
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
SF006EM	JONES HILL	CHAMPION RESOURCES	Ag, Au	Approved
SF007EM	NMGMA	TEXAS GOLD - NMGMA	Au	Pending
SF008EM	Jones Hill Project	Davenport Minerals Corp	Ag, Au, Cu, Zn	Approved
SI001EM	HILLSBORO PROJECT	PLACER DOME, INC.		Approved
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	Approved
SI016EM	Iron Mountain Exploration	Great Western Exploration		Approved
SI017EM	East of Winston Exploration	Great Western Exploration		Approved
SI018EM	Franklin Mine	Sonny Riggs	Au	Pending
SI019EM	Bat Cave Canyon	Sonny Riggs		Pending
SO001EM	San Juan Exploration Shaft	Al Meyers	Au, Ag	Approved
SO002EM	Northside Drilling Project	Kalahari Exploration LLC	Cu	Approved
SO004EM	Alamosa Exploration	Bob Lufkin and David Tognoni	Be	Enforcement
SO005EM	Andrea Ann	Cliff Strieber	Etc	Approved
SO006EM	Sullivan Ranch Exploration	Great Western Exploration	Rare Earth	Denied
SO007EM	Burma Exploration	Great Western Exploration	Be	Approved
SO008EM	Socorro 2005A Exploration	Socorro Minerals Corp.	Au, Precious Metals	Approved
SO010EM	Sullivan Ranch (Revised)	Great Western Exploration	Be	Denied
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
TO002-2	3 IN 1 PROJECT	CIRO RAMIREZ	Cu	Approved
Total Number of Exploration Projects Submitted = 102				
Total Number of Exploration Projects Approved = 77				

Table 12. General Permits as of December 2005

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
GR055WET	Weston Wolff	9/15/2005	9/21/2005	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 Shober	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 Shober	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
RA086WET	Eugene Leggett	1/5/2005	1/7/2005	Sections 1,12 T28N R6E
RA087WET	Ronald Stanley	2/23/2005	3/10/2005	Placer Creek Claims 1,2, and 3
RA088WET	Frank Mullally	4/11/2005	6/1/2005	Placer Creek Claims 1, 2, and 3 Sections 1 and 12
RA089WET	Jeff Jaramillo	5/9/2005	5/25/2005	This site is located at Placer Creek
RA090WET	Matthew Brandt	5/17/2005	6/8/2005	Placer Creek # 1-3
RA091WET	Robert Maras	5/18/2005	6/10/2005	Placer Creek, Claims 1-3
RA092WET	Ed Shinpoch	5/20/2005	7/5/2005	Placer Creek Claims 1&2
RA093WET	Richard Freeze	6/9/2005	6/29/2005	Placer Creek Claims 1-3
RA094WET	David Nielson	6/27/2005	6/29/2005	Placer Creek
RA095WET	Rex Anderson	8/18/2005	8/1/2005	Placer Creek Claims 1-3
RA096WET	Tijerina Luis	8/3/2005	8/9/2005	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		Cerrillos Area
SF002DRY	Tim Haller	2/10/2004		Golden, NM
SF003DRY	Paul Plunkett	6/12/2004	6/16/2004	San Pedro
SF004DRY	Philip Chambless	6/17/2005		Turquoise
SF005DRY	Paul Plunkett	7/12/2005	8/1/2005	
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
SO008DRY	Jo Drake	2/17/2005	3/10/2005	Section 29, T6S, R8E
SO009DRY	Michael Tune	4/8/2005	4/21/2005	Located south of Magdalena in Cibola National Forrest
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 = 135				
Total Number of General Permits Approved = 124				

Appendix No. 2 Financial Assurance for New Mexico Operations for 2005

Table 13. Financial Assurance, as of 2005

Mine Name	Operator	Total FA Amt	Acres	Instrument Type	Instrument Values	Joint	Approval Date	Commodity
ASARCO Deming Mill	ASARCO	\$ 850,000.00	197	Surety Bond	\$ 850,000.00		12/22/1998	copper, zinc
B.O.W Mine	Warren T. Burns	\$ 15,932.00	10	Letter of Credit	\$ 15,932.00		4/29/2004	garnet
Bonito Gold/Silver Project	PO Box 10364,	\$ 200.00	2	Savings Account	\$ 200.00		10/11/1996	gold, silver
Brockman Mine	Phelps Dodge Mining	\$ 276,900.00	40	Letter of Credit	\$ 276,900.00		1/19/1999	silica flux
Burbank Pit	Titan Mining?	\$ 30,000.00	9.9	CD	\$ 30,000.00		2/11/1999	precious metal concentrates
Capitan Iron Mine	El Capitan Ltd.	\$ 15,000.00	6	CD	\$ 15,000.00	USFS	6/30/1999	iron
Center Mine	Royal Minerals	\$ 12,500.00	6	Surety Bond	\$ 12,500.00		12/6/1999	gold, silver, silica flux
Chemical Lime Mine and Mill	Chemical Lime	\$ 40,243.00	19	Surety Bond	\$ 40,243.00	USFS	1/20/2000	silica flux
Chino Limestone Mine	Chino Mines Company	\$ 101,800.00	50	Surety Bond	\$ 101,800.00		12/29/1999	limestone
Chino Mine	Chino Mines Company	\$ 192,126,912.00	9,416	Third Party Guarantee	\$128,084,608.00	NMED	12/18/2003	copper
Chino Mine	Chino Mines Company			Trust Agreement	\$ 64,042,304.00	NMED	12/18/2003	copper
Continental Mine	Chino Mines Company	\$ 29,092,111.00	860	Trust amount	\$ 1,000,000.00	NMED	8/22/1997	copper, gold, molybedum, silver
Continental Mine	Chino Mines Company			Collateral	\$ 8,397,586.00	NMED	8/22/1997	copper, gold, molybedum, silver
Continental Mine	Chino Mines Company			Third Party Guarantee	\$ 19,694,525.00	NMED	8/22/1997	copper, gold, molybedum, silver
Copar South Pit	Copar Pumice Co.	\$ 33,516.00	6	Letter of Credit	\$ 33,516.00	USFS	4/16/1997	pumice
Copper City Mine	Crystal Mining Corp.	\$ 800.00	3.4	Savings Account	\$ 800.00		12/20/1995	humate

CR Minerals Mill	<i>CR Minerals New Mexico LLC</i>	\$	127,439.00	5	Surety Bond	\$	127,439.00	2/17/2000	pumice
Cullum Claims Mine	<i>Pueblo of Santa Clara</i>	\$	161,500.00	20	Letter of Credit	\$	161,500.00	3/28/2005	pumice
Cunningham Hill LAC Minerals	<i>LAC Minerals USA, LLC</i>	\$	378,766.00	307	Trust agreement	\$	378,766.00	12/13/2002	gold
Cyprus Deming Tailings Impoundment	<i>Phelps Dodge Mining Company</i>	\$	132,588.00	20	Surety Bond	\$	132,588.00	NMED 12/31/1999	
Deming Jigging Mill	<i>American Premier</i>	\$	100,000.00	13	Surety Bond	\$	100,000.00	12/10/1997	manganese
Eagle Mesa Mine	<i>Dirtworks</i>	\$	7,270.00	3.5	Letter of Credit	\$	7,270.00	8/11/1997	humate
El Cajete Mine	<i>Copar Pumice Co.</i>	\$	78,747.00	18	Letter of Credit	\$	78,747.00	USFS 11/4/1997	pumice
El Grande Mine and Mill	<i>Dicaperl Minerals Corp.</i>	\$	711,497.00	204	Letter of Credit	\$	711,497.00	12/2/1998	perlite
Farmers Backbreaker Mine	<i>Blackjack Construction</i>	\$	15,000.00	10	CD	\$	15,000.00	USFS 8/2/1999	gold
Georgetown Mine	<i>Sierra Corporation</i>	\$	21,500.00	3	CD	\$	21,500.00	NMED 1/7/1999	none
Georgia Claims	<i>Centex American Gypsum</i>	\$	5,000.00	0.2	Surety Bond	\$	5,000.00	BLM 1/22/1999	gypsum
Hiawatha and Little Jim Mine	<i>Volcanic Stone</i>	\$	8,940.00	7.5	CD	\$	8,940.00	USFS 1/11/1998	tin
Jersey Lily, Snowflake and Virtue Mine	<i>Phelps Dodge Tyrone</i>	\$	46,600.00	22	Surety Bond	\$	46,600.00	12/27/1999	silica flux
KB Mine	<i>Southwest Silica Flux</i>	\$	24,182.00	5.6	CD	\$	24,182.00	USFS 12/22/1998	silica flux
KM Mine	<i>Southwest Silica Flux</i>	\$	8,124.00	4	CD	\$	8,124.00	12/16/1997	silica flux
Las Conchas Mine	<i>Copar Pumice Co.</i>	\$	12,103.00	18.5	Letter of Credit	\$	12,103.00	USFS 12/12/1997	pumice
Little Rock Mine	<i>Phelps Dodge Tyrone</i>	\$	1,355,400.00	85	Surety Bond	\$	1,355,400.00	NMED 12/29/2000	copper

Lordsburg Mine	<i>Lordsburg Mining Co.</i>	\$	17,603.00	15	CD	\$	17,603.00	6/30/2003	silica flux, base course
Lucero Quarry	<i>New Mexico Travertine</i>	\$	24,515.00	9.9	CD	\$	24,515.00	12/22/1998	travertine, dimension and flagstone
Mathis Limestone Mine	<i>Texarkana, TX</i>	\$	3,000.00	16.6	CD	\$	3,000.00	1/21/1999	limestone
Menefee Processing Plant	<i>Menefee Mining</i>	\$	16,000.00	9.6	CD	\$	16,000.00	11/1/2000	humate
Mesa Verde Resources Mill	<i>Mesa Verde Resources</i>	\$	18,856.00	5.3	Surety Bond	\$	18,856.00	12/30/1999	humate
Mt. Taylor Mine	<i>Rio Grande Resources</i>	\$	715,056.00	66	Surety Bond	\$	715,056.00	12/18/1998	uranium
No Agua Mine	<i>Harborlite Corporation</i>	\$	833,121.00	275	Surety Bond	\$	833,121.00	7/26/1999	perlite
Old Stope Leaching	<i>Rio Algom Mining LLC</i>	\$	577,616.00	230	Letter of Credit	\$	577,616.00	12/5/2004	uranium
Pinos Altos Mine	<i>Phelps Dodge Mining</i>	\$	343,600.00	12	Surety Bond	\$	343,600.00	12/30/1999	copper, gold, silver, zinc
Pueblo Alto Mine	<i>Mesa Verde Resources</i>	\$	21,051.00	9.9	Surety Bond	\$	21,051.00	12/30/1999	humate
Questa Mine Mine and Mill	<i>Molycorp, Inc.</i>	\$	157,003,466.00	800	Third Party Guarantee	\$117,752,599.00	NMED	6/2/2002	molybdenum
Questa Mine Mine and Mill	<i>Molycorp, Inc.</i>				Letter of Credit	\$ 16,223,474.00	NMED	6/2/2002	molybdenum
Questa Mine Tailings	<i>Molycorp, Inc.</i>			640	Surety Bond	\$ 23,027,393.00	NMED	1/25/2001	molybdenum
Ray Claims	<i>International Stone</i>	\$	20,405.00	10	CD	\$	20,405.00	10/14/2004	travertine
Rocky Mountain Mine	<i>CR Minerals New Mexico LLC</i>	\$	289,810.00	60	Surety Bond	\$	289,810.00	9/29/1999	pumice
Sais Quarry	<i>New Mexico Quarries</i>	\$	2,661.00	3.7	CD	\$	2,661.00		schist
San Luis Mine	<i>Horizon Ag.</i>	\$	25,000.00	10	Letter of Credit	\$	25,000.00	10/14/2004	humate
San Pedro Mine	<i>Lordsburg Mining Co.</i>	\$	8,288.00	9	CD	\$	8,288.00	5/21/2003	copper, gold, silver, garnet

Socorro Mine and Mill	<i>Dicaperl Minerals Corp.</i>	\$	688,166.00	162	Letter of Credit	\$	688,166.00	12/10/1998	perlite
St. Cloud-US Treasury Mine	<i>St. Cloud Mining</i>	\$	1,857.00	6	CD	\$	1,857.00	NMED 5/11/2003	
Star Lake Mine	<i>Menefee Mining</i>	\$	13,000.00	9.4	Surety Bond	\$	13,000.00	5/27/1998	humate
Star Lake-Mesa Verde Mine	<i>Mesa Verde Resources</i>	\$	13,277.00	9.9	Surety Bond	\$	13,277.00	12/30/1999	humate
Tijeras Cement Plant and Limestone Quarry	<i>Rio Grande Portland</i>	\$	3,750,000.00	504	Third party guarantee	\$	2,812,500.00	6/30/1998	limestone
Tijeras Cement Plant and Limestone Quarry	<i>Rio Grande Portland</i>				Letter of Credit	\$	867,500.00	6/30/1998	limestone
Tijeras Cement Plant and Limestone Quarry	<i>Rio Grande Portland</i>				2 Surety bonds	\$	70,000.00	USFS 6/30/1998	limestone
Tinaja Pit C&E Concrete, Inc.	<i>C&E Concrete, Inc.</i>	\$	161,514.00	100	Letter of Credit	\$	161,514.00	12/15/2004	Gravel/limestone
Toro Mine	<i>Sam Cooper</i>	\$	9,300.00	10	CD	\$	9,300.00	BLM 4/15/2004	perlite
Tyrone Mine	<i>Phelps Dodge Tyrone, Inc.</i>	\$	270,945,887.00	7,440	Third Party Guarantee	\$189,542,509.00		NMED 4/12/2004	copper
Tyrone Mine	<i>Phelps Dodge Tyrone, Inc.</i>				Trust Agreement	\$	17,000,000.00	NMED 4/12/2004	copper
Tyrone Mine	<i>Phelps Dodge Tyrone, Inc.</i>				Surety Bond	\$	57,975,900.00	NMED 4/12/2004	copper
Tyrone Mine	<i>Phelps Dodge Tyrone, Inc.</i>				Letter of Credit	\$	6,256,604.00	NMED 4/12/2004	copper
Tyrone Mine (Copper Mountain South Pit Expansion)	<i>Phelps Dodge Tyrone, Inc.</i>			74	Letter of Credit	\$	170,874.00	BLM 5/6/2005	copper
U.S. Hill Mine	<i>Pueblo of Picuris</i>	\$	613,849.00	65	Letter of Credit	\$	613,849.00	USFS replaced 4/27/05	mica

U-Mate Mine	<i>U-Mate International</i>	\$	8,844.00	5.5	CD	\$	8,844.00	1/8/1998	humate
Velarde Mill	<i>Oglebay Norton</i>	\$	287,821.00	35	Surety Bond	\$	287,821.00	NMED 12/1/1999	mica
Volcano Mine	<i>Dane Mining & Explor.</i>	\$	28,652.00	9	Collateral (real estate)	\$	28,652.00	7/15/1998	Silica/flux
Warner Gulch Placer Mine	<i>American Eagle Mining</i>	\$	10,000.00	10	Letter of Credit	\$	10,000.00	USFS 1/8/1998	gold
Zeolite Mine	<i>St. Cloud Mining</i>	\$	130,029.00	51	Collateral	\$	130,029.00	NMED 2/23/2004	zeolite
Totals:		\$	662,372,814.00	22,242.00					