

N E W M E X I C O



Energy, Minerals and Natural Resources Department



2011 Annual Report
of the
Mining Act Reclamation
Program
to the
New Mexico Mining
Commission

Mining and Minerals Division
Mining Act Reclamation Program
Director: Fernando Martinez
Program Manager: Holland Shepherd

Cover Photo Information

The cover photo was taken at the Freeport McMoRan Tyrone, Inc. mine site located in Grant County. The photograph depicts the reclaimed No. 3 tailing impoundment in the foreground. In the background are the No. 3X and No. 2 tailings impoundments. In total, approximately 3,900 acres were reclaimed. The impoundments are now in post-reclamation monitoring status which will last a minimum of 12 years and include: erosion and stability monitoring, revegetation monitoring, and surface and groundwater monitoring.

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1. Introduction

This annual report summarizes activities regulated by, and related to, the Mining Act Reclamation Program (MARP) of the New Mexico Mining and Minerals Division (MMD). Part 13 of the New Mexico Mining Act Rules (the Rules) requires an annual report be provided to the New Mexico Mining Commission. The annual report is to contain a general description of mining operations, reclamation practices, and production figures for the state.

Specifically, this report identifies activities related to the permitting and regulation of mines and mineral exploration under the Mining Act for the two-year time frame from January 2010 through December 2011. The report also provides tables identifying all mining and exploration operations that have obtained a permit, or submitted a permit application, under MARP since its inception in 1994.

The report includes:

- Production figures for New Mexico mines active during the 2010 calendar year, the most recent year that statistics are available;
- Reclamation activities and practices related to specific mines in the State of New Mexico that took place during the 2010 calendar year. The statistics addressing reclaimed versus unreclaimed acreage originate from data provided to MMD in annual reports submitted by the mine operators;
- Exploration and mine permitting activities for the 2011 calendar year.

MARP continues to make adjustments to the Program due to the increase in precious metal values, particularly copper, gold, and rare earth elements, resulting in an increased number of exploration projects as well as mining operation applications coming into New Mexico. MARP continues to develop its database, electronic permitting and geographical information systems (GIS) into the MARP work processes. Exploration and new mining operation applications are now being made available on the MMD website.

Finally, Section B of 19.10.13.1302 NMAC states that the annual report shall include proposed amendments to the Rules, if any. A rule change to Part 2 of the Rules, which has to do with application and annual fees, was proposed to the Director's Advisory Committee, but was not approved. The so-called "sunset clause" in 19.10.2.202 NMAC, which allowed MARP to collect annual fees through March 31, 2012, was extended, with support from the Director's Advisory Committee, until December 31, 2013.

2. New Mexico Mining Operations as of December 2011

MARP was established in the spring of 1994. Since then, all mining operations falling under the definition of “existing” mines – that is, 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.

A number of new mines and projects – operations initiating activity after June 1993 – have been added to the list of permitted mines. These new projects and mines all fall under the categories of minimal impact exploration, regular exploration, and minimal impact new mining operations. Mine and exploration categories include:

- Minimal impact exploration operations are small, extractive operations, typically under 5 acres, involved in the sampling of ore bodies prior to full-scale mine development;
- Regular exploration operations are those that are over 5 acres, or do not meet the definition of minimal impact; and
- General Permit operations cannot excavate materials greater than 200 cubic yards per year, or disturb greater than 2 acres of surface at any one time. The General Permit category is typically used by hobby and recreational miners.

The Exploration and General Permit categories make up the largest number of permitted operations under MARP. All mining operations that have submitted permit applications, and have required a significant amount of Program time, are identified under the categories of: *Regular Existing Mine, Regular New Mine, Minimal Impact Existing Mine, Minimal Impact New Mine, Exploration Project* and *General Permit*, and are listed in Appendix 1, in Tables 9 through 15.

Table 1 shows the various types of mining and exploration operations, by category, that have received approved permits since the start of the program in 1994.

Table 1. Mining Operations Approved since 1994

Type of Operation	Description	Number of Operations
Regular Existing Mining	>10 acres of disturbance	29
Regular New Mining	>10 acres of disturbance	0
Minimal Impact Existing Mining	<10 acres of disturbance	17
Minimal Impact New Mining	<10 acres of disturbance	28
Regular Exploration	>5 acres of disturbance	5
Minimal Impact Exploration	<5 acres of disturbance	146
General (Recreational)	<200 cubic yards/yr of disturbance	256
Total Mining Operations Permitted		481

Permit Modifications and Revisions

MARP continues to work on a large number of permit modifications and revisions which can be just as time consuming in processing and approving as new permit applications. Modifications and revisions involved updating reclamation acreage, permit transfers, name changes and financial assurance instruments and amounts. The Tyrone Mine and the Chino Mine are both in the process of updating their closeout plans. These updates are major revisions to the mine permits involving updating financial assurance, changes to the reclamation plans, and extended negotiations with the operator, other agencies, and the public. Another revision that the Program has been involved with over the last two years involves Chevron Mining Inc.'s Questa Mine. Because of the need to coordinate state reclamation plans at the mine with the federal U.S. Environmental Protection Agency's (EPA) prescription for remediation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process, MMD has delayed the operator's requirement to submit a new closeout plan until after a Consent Decree has been satisfactorily negotiated to implement remediation requirements under the December 2010 Record of Decision.

Table 2 identifies specific types of permit applications, including modifications and revisions, submitted to MMD during 2011 and identifies those applications that have been approved and those that are still pending.

Table 2. 2011 Approved and Pending Permit Applications

Type of Operation	Description	Number of Operations		
		Pending	Approved	Denied
Regular New Mining	> 10 acres of disturbance	3	0	0
Minimal Impact New Mining	< 10 acres of disturbance	2	3	0
Regular Exploration	> 5 acres of disturbance	3	2	0
Minimal Impact Exploration	< 5 acres of disturbance	7	14	0
General Permits	< 200 cubic yards/yr of disturbance	0	23	1
Revisions	Revision to an Existing Permit	1	1	0
Modifications	Modification to an Existing Permit	2	4	0

Existing Mines without Approved Closeout Plans

Table 3 identifies regular existing and minimal impact mining operations that have not yet received approval for their closeout plans. The Northeast Church Rock Mine and the St. Anthony Mine are both United Nuclear Corporation mines. Although the Northeast Church Rock site was originally permitted by MARP, the Navajo Nation requested that the EPA, Region 9, take over the reclamation responsibility with site remediation now to be completed under a CERCLA clean-up. The closeout plan for the St. Anthony site, which is a technical challenge due to groundwater concerns, continues to be developed by United Nuclear Corporation.

Two other operations, the Clodbuster Mine and the Challenge Mine, have been issued a series of notices of violation over the years and remain out of compliance. The Nacimiento Mine is an abandoned, open-pit copper operation near Cuba, New Mexico. The owner is deceased, and an alternate responsible party was not identified for the reclamation of the site. Portions of the Nacimiento Mine are situated on state and federal property. The U.S. Forest Service, New Mexico State Land Office, and New Mexico Environment Department (NMED) have worked together in the past, with limited CERCLA funds, to do a small amount of remediation. NMED and MMD are currently working on the identification of a responsible party for the clean-up of the site.

The Northstar Mine is an existing mining operation required to obtain an approved permit from MMD. Although all information and financial assurance have been provided by the operator, MMD is waiting for the operator to provide right-to-enter evidence to MMD. The Section 12 Mine is an old uranium mine added to the list in 2008 after it was determined to fall under the Mining Act. MMD still awaits a closeout plan for the Section 12 Mine.

Table 3. Existing Mining Operations without Approved Closeout Plans as of December 2011

Mine Name	Operator	Disturbed Acres
Nacimiento Mine	Leaching Technology, Inc.	611
St. Anthony Mine	United Nuclear Corporation	430
Northeast Church Rock ¹	United Nuclear Corporation	40
Challenge Mine and Mill	Challenge Mining Company	17
Clodbuster Mine and Mill	Agronics, Inc.	27
North Star Mine	North American Metals LLC	2
Section 12 Mine	Southwest Resources Inc.	9

¹ Closeout of this site is being managed by the U.S. Environmental Protection Agency

3. Reclamation Practices under the New Mexico Mining Act

Forty (40) mine sites and numerous exploration projects under permit with MARP have now undergone some form of reclamation. In some cases, the entire site has been reclaimed; in others, a portion of the site has undergone reclamation. Once reclamation has taken place and the reclaimed area is re-vegetated in accordance with the post-mining land use, mine operators must wait 12 years before they are eligible to apply for a complete release from the Mining Act's requirements. However, operators are allowed to apply for a partial financial assurance release once per year, per permit. Several operators have received partial release for work performed toward final reclamation for activities such as performing earthwork to achieve a post-mining contour, placing cover over reclaimed areas, and performing demolition work at the site (Table 4).

Table 4. Mines with Completed Reclamation

Cunningham Hill Mine	Brockman Mine	Lordsburg Mine
Las Conchas Unit of the Las Conchas/EI Cajete Mine	Chino Limestone Mine	Mesa Verde Resources Mill
Boston Hill Mine	Hiawatha and Little Jim Mine	Georgetown Mine
San Pedro Mine and Mill	Cyprus Deming Tailings	U.S. Hill Mine
KB Mine	Deming Jigging Mill	Pinos Altos Mine
KM Mine	Old Stope Leach Mine	CR Minerals Mill
Jersey Lily, Snowflake and Virtue Mines	Velarde Mill	

Three of these mines have received a complete release for reclamation or for achieving the post-mine land use under the New Mexico Mining Act:

- Boston Hill Mine, in Grant County (2002)
- Mesa Verde Resources Mill, in Sandoval County (2005)
- CR Minerals Mill, in Santa Fe County (2008)

Revegetation Test Plots and Geomorphic Reclamation Practices

MARP encourages innovative and experimental reclamation, particularly at sites where steep slopes and/or acid-producing materials present reclamation challenges. Four large operations permitted under MARP are currently evaluating vegetation test plots constructed over the last several years including: seeding rates, fertilizer rates, soil amendments, and infiltration rates using various soil covers and cover depths. Initial results of the test plot studies at the Tyrone and Chino mines suggest that use of the Gila Conglomerate as a growth medium is suitable for reclamation. Other trends continue to develop which will assist in decision making in the future. Chevron Mining Inc.'s Questa Mine, Freeport-McMoRan's Tyrone and Chino mines, and GCC Rio Grande's Tijeras Mine all have ongoing test plot programs.

MARP also encourages geomorphic reclamation approaches at hard rock mines. Geomorphic reclamation involves the use of reconstruction techniques, particularly on out-slopes, which mimic natural drainage patterns to create a more stable and natural looking post-mine topography. Utilizing this new approach, the coal mines in New Mexico have enjoyed significant successes in erosion reduction, maintenance cost reductions, and greater vegetation success. Hard rock mine operators are beginning to learn how this technique might improve their reclamation strategies. The Tyrone, Tijeras and Questa mines are all exploring ways to incorporate geomorphic design into their reclamation plans.

Total Disturbance and Reclamation

The overall disturbed acreage under permit with MARP is 24,886.5 acres. The total number of acres reclaimed throughout the entire history of the Program (1994-2010) is 5,790.8 acres. Table 5 shows the approximate number of acres disturbed and reclaimed, as of December 2010, for each mine under permit with MARP. Based on information supplied by operators in their 2010 annual reports, a total of 626.6 acres were reclaimed in 2010.

The biggest contributor to this total was the Tyrone Mine where approximately 519 acres of reclamation took place in 2010. The operator of the Tyrone Mine, Freeport-McMoRan, has reclaimed approximately 4,611 acres since initiating reclamation in 2003.

During calendar years 2010 and 2011, Freeport-McMoRan Tyrone, Inc. continued several large-scale reclamation projects, addressing the clean-up and reclamation of tailings impoundments and waste rock piles at its Tyrone Mine in Grant County. Reclamation at the mine included the No. 1, 1A, 1X and 2 tailings impoundments, the No. 1, 7A and 1C stockpiles, and the completed reclamation of the copper leach stockpile and precipitation plant at the Little Rock Mine.

Beginning in calendar year 2008, Freeport-McMoRan Chino Inc. initiated large-scale reclamation of its inactive tailings piles comprising approximately 1,600 acres. The inactive tailings piles include Ponds 1, 2, B, C, 4E, 4W, and portions of 6E and 6W. As of January 1, 2011, approximately 900 acres were covered with three feet of cover material, of which 280 acres were seeded. The remaining 620 acres is anticipated to be seeded in the summer of 2010. The reclamation of the inactive tailings piles is expected to be completed by the end of 2012.

To date, as part of the Continental Mine reclamation, the Freeport-McMoran Cobre Mining Company has closed approximately 83 historic shafts and adit features, and reclaimed approximately 150 acres of the Hanover Empire Zinc Mining Area. The Continental Mine is currently inactive and has an approved Standby Plan.

Table 5. Number of Acres Disturbed and Reclaimed as of December 2010

Permit Number	Permit Name	Permit Type	Disturbed Acres To Date	Reclaimed Acres To Date
BE001RE	Tijeras Mine and Mill	Regular Existing	582.1	69.8
CA002MN	Deadwood / Last Chance Mine	Minimal Impact New	1	0
CA003ME	Hiawatha And Little Jim Mine	Minimal Impact Existing	2	0
CA005RE	Challenge Mine and Mill	Regular Existing	0	0
CA010MN	Apache Camp No. 1 Mine	Minimal Impact New	0	0
CI002RE	Mt. Taylor Mine	Regular Existing	147.7	0
CI003MN	ANP No. 2 Mine	Minimal Impact New	2	0
CI004MN	Haskani Mine	Minimal Impact New	13.3	0.5
CI005RE	Tinaja Pit Mine	Regular Existing	40	0
CI006MN	Ray Claims No. 4 and No. 6 Mine	Minimal Impact New	0.2	0.5
CI007RE	JJ No. 1 Mine	Regular Existing	0	20
DA001MN	Shamrock Leach Site	Minimal Impact New	2	2
DA003MN	Alley Gypsum Mine	Minimal Impact New	1.2	1.5
GR001RE	Pinos Altos Mine	Regular Existing	9	9
GR002RE	Continental Mine and Mill	Regular Existing	928	19
GR006RE	Chino Limestone Mine	Regular Existing	55	55
GR007RE	Little Rock Mine	Regular Existing	99	32
GR008RE	Jersey Lily, Snowflake and Virtue Mines	Regular Existing	0	22
GR009RE	Chino Mine and Mill	Regular Existing	9929	0
GR010RE	Tyrone Mine and Mill	Regular Existing	8425.1	4582
GR011ME	Summit Mine	Minimal Impact Existing	2	0
GR012MN	KB Mine	Minimal Impact New	41	42
GR016ME	Malone Mine	Minimal Impact Existing	0	0
GR018ME	Banks Mine (Lost New Summit No. 1 Mine)	Minimal Impact Existing	0	0
GR019ME	Boston Hill Mine	Minimal Impact Existing	0	0
GR020RE	Georgetown Mine	Regular Existing	0	0.8
GR024MN	Toro Mine	Minimal Impact New	0	0
GR025ME	Mathis Limestone Quarry Mine	Minimal Impact Existing	0	0
GR028RE	Center Mine	Regular Existing	0	0
GR029ME	Mount Royal Mine and Mill	Minimal Impact Existing	1	0
GR030ME	Chemical Lime Mine & Mill	Minimal Impact Existing	0	4.4
GR036MN	Grooms Placer Mine	Minimal Impact New	0	0
GR056MN	McCauley Perlite Mine	Minimal Impact New	0	0
GR058MN	Billali Mine	Minimal Impact New	0	0
HI001RE	Lordsburg Mine and Mill	Regular Existing	15	5
HI002RE	Brockman Mine	Regular Existing	40	40
HI004MN	KM Mine	Minimal Impact New	9	8

HI008ME	Volcano Mine	Minimal Impact Existing	8	0
LI001ME	Warner Gulch Placer Mine	Minimal Impact Existing	2	2
LI002ME	Smokey Mine	Minimal Impact Existing	0	0
LI005ME	Capitan Iron Mine	Minimal Impact Existing	12	0
LU001RE	Deming Jigging Mill	Regular Existing	16	16
LU008RE	Cyprus Deming Tailings Impoundment	Regular Existing	20	23.9
LU009RE	Asarco Deming Mill	Regular Existing	56.5	44
LU011MN	Herb Bailey No. 1 Mine	Minimal Impact New	0	0
LU012MN	Herb Bailey No. 2 Mine	Minimal Impact New	0	0
MK002RE	Section 35 Mine	Regular Existing	40	30
MK003ME	Star Lake Mine - Menefee	Minimal Impact Existing	4	2
MK004RE	Northeast Church Rock Mine	Regular Existing	0	17
MK005RE	Section 27 Mine	Regular Existing	17	15
MK006RE	St. Anthony Mine	Regular Existing	435	0
MK007ME	Star Lake Mine - Mesa Verde	Minimal Impact Existing	45.1	39.3
MK008ME	Pueblo Alto Mine	Minimal Impact Existing	14.3	23.3
MK009RE	Old Stope Leach Mine	Regular Existing	81	78
MK010MN	U-Mate Mine	Minimal Impact New	1	0
MK011MN	Morningstar Mine	Minimal Impact New	14	12
OT001RN	Wind Mountain Quarry Mine	Regular New	0	0
OT002MN	B.O.W. Mine	Minimal Impact New	0.6	0
OT005MN	Orogrande Placer Gold Mine	Minimal Impact New	1.5	0
RA001ME	Northstar Mine	Minimal Impact Existing	1.3	0
RA003ME	Cullum Claims Mine	Minimal Impact Existing	60	0
RA004RE	Rocky Mountain Mine	Regular Existing	172.7	0
RA005RE	Velarde Mill	Regular Existing	28	27.4
RA006ME	General Pumice Mine	Minimal Impact Existing	17	0
SA001RE	El Cajete Mine	Regular Existing	68	39.5
SA002RE	Clod Buster Mine and Mill	Regular Existing	0	0
SA004MN	Copar South Pit Mine	Minimal Impact New	9	18.5
SA005ME	Menefee Mill	Minimal Impact Existing	9.7	0
SA006MN	Copper City Mine	Minimal Impact New	1	0
SA009MN	Eagle Mesa Mine	Minimal Impact New	8.1	2.5
SA010ME	Mesa Verde Resources Mill	Minimal Impact Existing	0	0
SA011MN	San Luis Mine	Minimal Impact New	15	10
SF001ME	San Pedro Mine and Mill	Minimal Impact Existing	12	12
SF002RE	Cunningham Hill Mine	Regular Existing	307	289
SF003ME	Silver Silica Mine	Minimal Impact Existing	4	0.5
SF006ME	CR Minerals Mill	Minimal Impact Existing	8	8
SI001ME	St. Cloud U.S. Treasury Mine	Minimal Impact Existing	10	3
SI005MN	Burbank Canyon Mine	Minimal Impact New	0	0
SI006RE	Zeolite Mine and Mill	Regular Existing	51	24.5

SI007ME	Midnight Mine	Minimal Impact Existing	4	0
SI020MN	Coyote Cliff No. 1 Mine	Minimal Impact New	0.6	0
SI021MN	Coyote Cliff No. 2 Mine	Minimal Impact New	0.8	0
SJ001MN	Morningstar Mill	Minimal Impact New	7.7	0
SJ002MN	Chaco Limestone Quarry	Minimal Impact New	0	0
SO001RE	Socorro Mine and Mill	Regular Existing	160	43.4
SO002MN	Sais Quarry Mine	Minimal Impact New	3.7	0
SO005MN	San Lorenzo Claim Mine	Minimal Impact New	0	0
TA001RE	Questa Mine and Mill	Regular Existing	2300	21
TA002RE	El Grande Mine and Mill	Regular Existing	170	14
TA003RE	U. S. Hill Mine	Regular Existing	60	61.5
TA005RE	No Agua Mine and Mill	Regular Existing	276	0
VA001ME	Lucero Quarry Mine	Minimal Impact Existing	9.3	0
BE001RE	Tijeras Mine and Mill	Regular Existing	582.1	69.8
CA002MN	Deadwood / Last Chance Mine	Minimal Impact New	1	0
CA003ME	Hiawatha And Little Jim Mine	Minimal Impact Existing	2	0
TOTAL ACREAGE:			24,886.5	5790.8

4. Mineral Production Statistics for New Mexico in 2010

Nearly \$1.8 billion worth of minerals was extracted from New Mexico mines in 2010, a 1.3 percent increase from 2009 levels (Table 6).

Confidentiality laws do not allow production values specific to a mining operation to be made public. Therefore, we have provided production values by commodity, and not by a specific mining operation. Total production for commodities with less than three producers also must be held confidential. Not all commodities listed come under the Mining Act, but they have been included to provide a comprehensive list of all minerals produced in New Mexico. Many of the operations classified as *industrial minerals* and *aggregates* do not fall under the Mining Act's jurisdiction nor do coal and potash operations. Coal mines are permitted under the New Mexico Surface Coal Mining Act. Potash mines and refineries are not regulated under either act.

New Mexico remains a leading United States mineral producer with 2010 rankings of first in potash, perlite and zeolite; fourth in copper; and thirteenth in coal, as reported by the U.S. Geological Survey (USGS) and the U.S. Energy Information Administration. The principal minerals, in descending order of 2010 production value, were coal, potash, and copper. According to USGS, New Mexico ranked twentieth in 2010 when ranking states by the production value of non-energy minerals, producing 1.6 percent of the production value of total U.S. non-energy minerals.

Coal claimed the top spots for production value and payroll in 2010; also, the coal industry generated the greatest revenue for the state (Figure 1). Total 2010 revenues (state and federal) generated by mineral production in New Mexico declined 23 percent to \$54.7 million from 2009's all-time high of \$70.9 million.

Total mining sector employment increased while payroll amounts slightly decreased in 2010. Direct and contract employees in the mining industry in 2010 totaled 5,658, a nearly 10 percent increase from 2009. Industry payroll exceeded \$271 million, down 5.5 percent from 2009. Direct employment increased six percent to 4,742 employees; contract employment increased 33 percent to 916 workers; and reclamation employment increased 59 percent to 627 workers (Figure 2). Coal was the largest employer in New Mexico's mining industry, followed by potash and copper.

Capital improvement expenditures declined 11 percent from 2009 to 2010. New Mexico mining companies invested \$176.2 million in capital improvements and equipment in 2010, down from \$197.2 million in 2009.

There were 217 registered active mining operations in New Mexico in 2010. These operations included five coal mines; three potash mines, five potash refineries and one potash compaction plant; one molybdenum mine and one molybdenum mill; two copper mines and two solvent extraction/electro-winning (SX/EW) plants; 25 industrial mineral mines and 13 industrial mineral mills; and 159 stone and aggregate operations).

Table 6. Mineral Production, Production Value, Rank, Employment, Payroll and Revenues, 2010

Mineral	Production ¹	Production Rank ²	Production Value \$	Employment ³	Reclamation Employment	Payroll \$ ⁴	Revenue Generated \$ ⁵
Coal [*]	21,836,926	13	\$ 667,325,057	1,583	326	\$ 96,636,653	\$ 34,117,782
Copper	116,822,927	4	\$ 400,190,809	1,067	91	\$ 38,545,794	\$ 3,299,061
Gold	-	-	\$ -	0	0	\$ -	\$ 11,195
Industrial Minerals ⁶	2,343,734	-	\$ 110,718,970	484	13	\$ 16,571,353	\$ 973,561
Aggregates ⁷	10,752,950	-	\$ 81,697,488	911	109	\$ 16,950,264	\$ 1,884,479
Other Metals	21,177	-	\$ 337,560	21	4	\$ 1,049,663	\$ -
Molybdenum	529,151	-	\$ 7,540,402	208	8	\$ 11,643,000	\$ -
Potash ⁸	812,756	1	\$ 512,426,376	1,327	29	\$ 86,469,252	\$ 14,301,051
Silver ⁹	-	-	\$ -	0	0	\$ -	\$ 14,691
Uranium ¹⁰	-	-	\$ -	57	47	\$ 3,498,775	\$ 75,563
TOTAL			\$ 1,780,236,662	5,658	627	\$ 271,364,754	\$ 54,677,383

Source: Mining and Minerals Division, unless otherwise noted.

¹ Production is in short tons for coal, industrial minerals, aggregates, other metals and potash; copper and molybdenum in pounds.

² Production rank is based on 2010 production value in relation to other U.S. states. Sources: Metals, potash, industrial minerals and aggregates, Mineral Resources Program, United States Geological Survey (minerals.er.usgs.gov); Coal, Energy Information Administration, U.S. Department of Energy (www.eia.doe.gov).

³ Employment category includes direct and contract employees.

⁴ Payroll is for direct employees and does not include contract employees. Payroll does not include benefits.

⁵ Value reflects federal and state revenues. State revenue includes state trust land mineral lease royalties, rentals and bonuses, and severance, excise and conservation tax revenues. Federal revenue includes 50% state share of federal royalties. Sources: State data, New Mexico Taxation and Revenue Department (www.tax.newmexico.gov) and State Land Office (www.nmstatelands.org); Federal data, Bureau of Ocean Energy Management, Regulation and Enforcement (www.boemre.gov).

⁶ Category includes brick clay, calcite, dimension stone, gypsum, humate, perlite, Portland cement, pumice, salt, silica, and zeolite.

⁷ Category includes base course, caliche, clay and shale, crushed rock, flagstone, fill dirt, gravel, limestone, red dog, rip-rap, sand, scoria and topsoil.

⁸ Potash production is K₂O mill production.

⁹ No silver, gold or molybdenum co-production was reported for calendar year 2010.

¹⁰ Employment/payroll numbers are for licensing/permitting at proposed uranium mines, and reclamation activities/maintenance at closed mines and mills.

Figure 1. Percentage of Production Value, Employment, Payroll and Revenue by Commodity - 2010

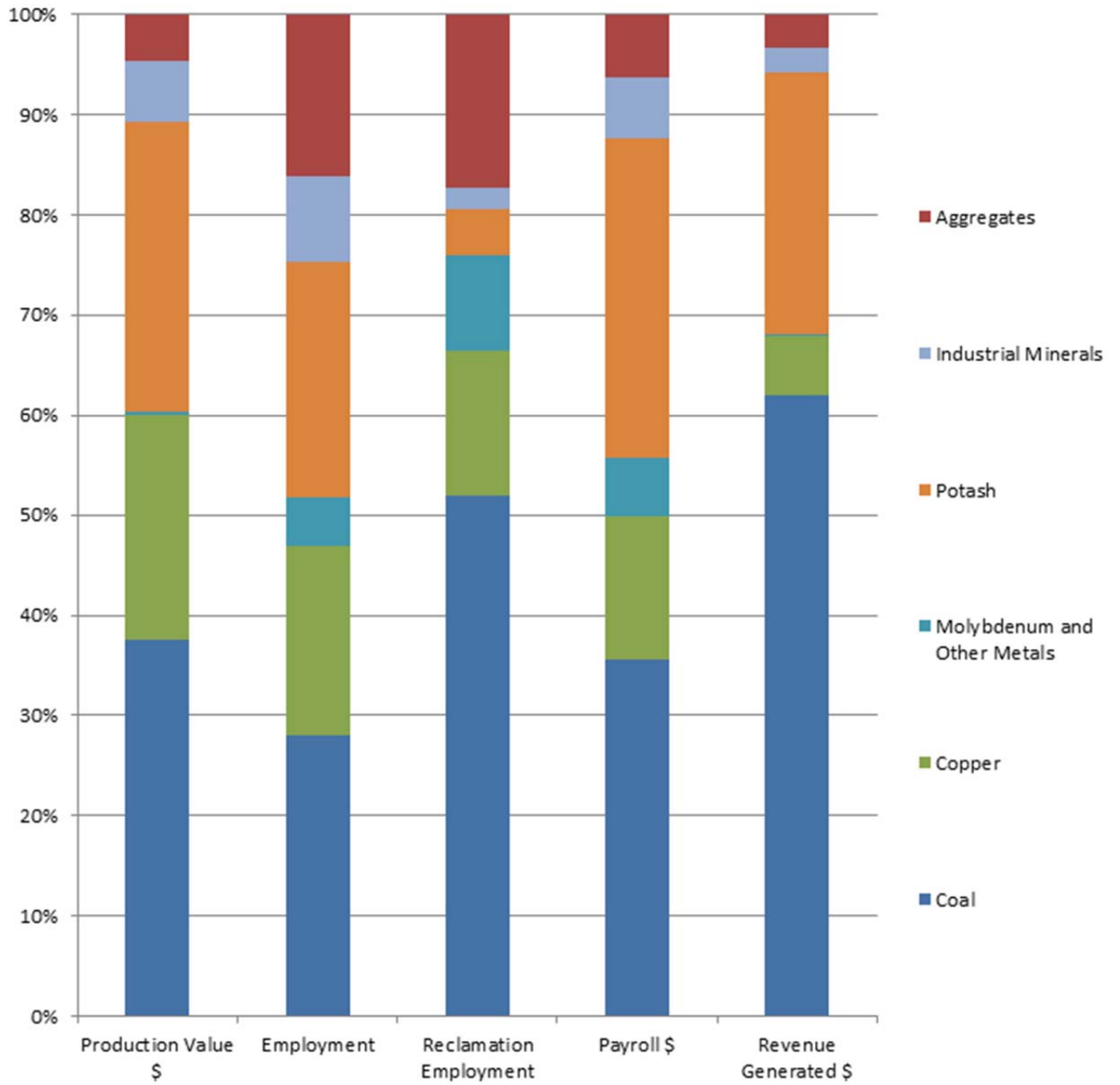
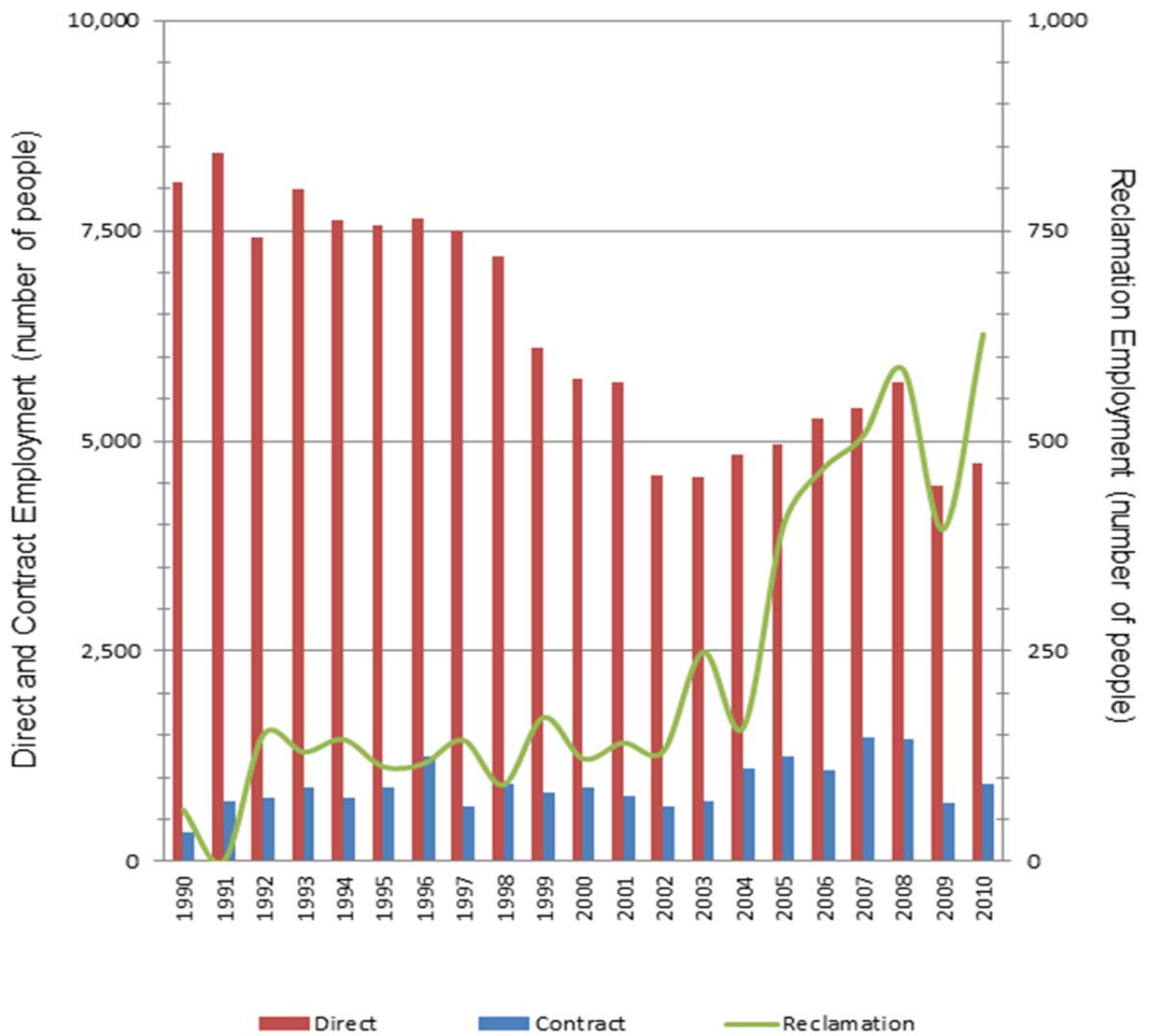


Figure 2. New Mexico Mineral Industry Employment - 1990-2010



5. Proposed Mining Activities and Exploration in New Mexico

MARP has jurisdiction over exploration, mining and reclamation for hard rock mineral extraction operations in New Mexico. Increased commodity prices of precious metals, rare earth metals and uranium have fueled a significant increase in exploration and mine development activities in New Mexico since 2005.

New Minimal Impact Mines

In 2011, five minimal impact new mining applications were received, three of which were approved:

- Black Spring Mine – humate
- H2 Screen Facility – humate processing
- Iron Duke Mine – iron

Proposed Mining Activities

Five minimal impact mines are currently in technical review, and three new conventional mines are under development in New Mexico (Table 7).

Brief descriptions of the three new conventional mines under development are below:

Roca Honda Mine

The proposed Roca Honda Mine by Roca Honda Resources is located in McKinley County on Cibola National Forest and state trust lands. Roca Honda Resources has submitted both the Sampling and Analysis Plan and the Permit Application Package to MMD. The Roca Honda Mine application indicates that the mine site and surface facilities will comprise approximately 183 acres of surface disturbance within the proposed 1,920 acre permit area. Roca Honda Resources also submitted a Mining Plan of Operations to the U.S. Forest Service (USFS), which is being handled through the National Environmental Policy Act (NEPA) Environmental Impact Statement (EIS) process.

La Jara Mesa Mine

The proposed La Jara Mesa Mine by Laramide Resources, Inc. is located in Cibola County on Cibola National Forest land on the edge of the Mt. Taylor Traditional Cultural Property. Laramide Resources has submitted a permit application to the USFS for the proposed mine, which will be handled through the EIS process. Laramide Resources also initiated the permitting process with MMD by submitting a Sampling and Analysis Plan. The La Jara Mesa Mine application indicates about 16 acres of surface disturbance within the proposed 77 acre permit area. The Permit Application Package is anticipated to be submitted to the program after the

completion of the EIS process and after the Record of Decision (ROD) has been issued by the USFS.

Copper Flat Mine

New Mexico Copper Corporation submitted a Sampling and Analysis Plan in 2010 for the Copper Flat Mine, a proposed new regular copper mine in Sierra County, and conducted baseline data collection and analysis during 2011. The operator has already submitted a Plan of Operation to the Bureau of Land Management (BLM). MMD and BLM are working together to address the federal NEPA and state Environmental Evaluation (EE) processes. The Permit Application Package for this mine is anticipated to be submitted during calendar year 2012.

Table 7. Pending New Mine Applications as of 2011

Pending New Regular Mine Applications

Project Name	Operator	Surface Ownership	Commodity	Proposed Disturbance (acres)
Copper Flat Mine	New Mexico Copper Corporation	BLM and Private Owners	Copper	To Be Determined
La Jara Mesa Mine	Laramide Resources	U.S. Forest Service	Uranium	22
Roca Honda Mine	Roca Honda Resources	U.S. Forest Service and State Land Office	Uranium	183

Pending New Minimal Impact Mine Applications

Project Name	Operator	Surface Ownership	Commodity	Proposed Disturbance (acres)
Northstar Mine	Shamrock Metals, LLC	U.S. Forest Service	Precious Metals	2.0
Tesoro del Alma Mine	Tesoro del Alma, Inc.	BLM	Precious Metals	<0.5
Horizon-Ag Cuba Mill	Horizon Ag-Products	Private	Humate	5.5
Long Ranch Mine	Dumas Ventures, LLC	Private	Precious Metals	10
Morningstar Mill	Morningstar Corporation	Private	Humate	8

General Permits

General permits, with limited amounts of disturbance, are commonly issued to recreational or hobby miners, especially prior to the summer months. In calendar year 2011, 27 general permit applications were received - the largest number of general permit applications received in one year since the inception of the program in 1994.

Figure 3 below shows the number of general permit applications received each year since 1994.

Exploration Activities

Exploration for rare earth elements, uranium, heavy metals, gold, silver and other precious metals actively continues in New Mexico (Table 8). In fact, exploration activity in calendar year 2011 was the highest since the inception of the program. In calendar year 2011, 23 exploration applications were received. Several were for the exploration of uranium (3 applications) and rare earth elements (5 applications); however, the majority was for the exploration of copper and other precious metals. Figure 3 below shows the number of exploration applications received each year since 1994.

Figure 3. Graphs of Permit Applications Received since 1994

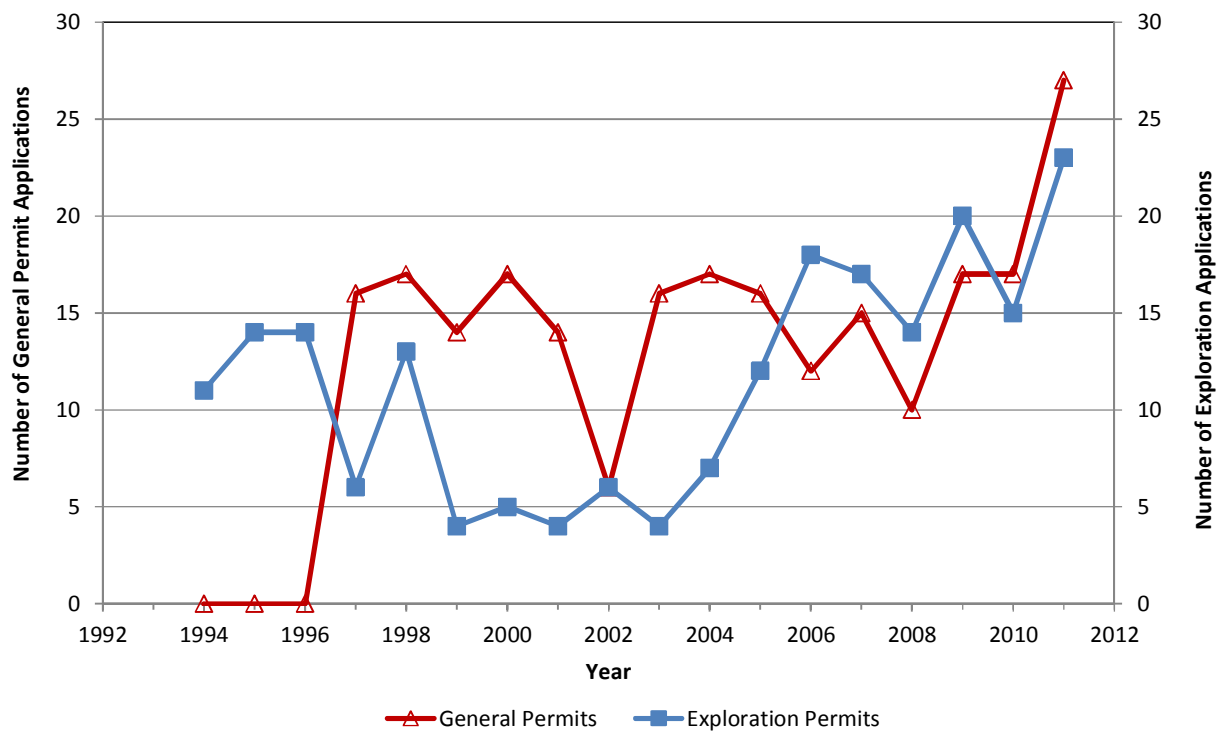


Table 8. Active Exploration Applications as of 2011

Permit Number	Permit Name	Permit Operator	Commodity
CA015EM	Baca Project	Red Basin, LLC	Uranium
CA016EM	White Mesa Project	Red Basin, LLC	Uranium
CI014ER	Cebolleta Exploration Project	Neutron Energy	Uranium
GR037EM	Codebreaker Enterprises, Inc.	Code Breakers Enterprises, Inc.	Gold
GR039ER	Lone Mountain Project	Copper One (USA), Inc.	Copper, Gold, Silver, Zinc, Lead
GR040EM	ORO II	Southern Silver Exploration, Ltd.	Copper, Gold, Silver
HI014EM	Granite Gap Exploration Project	AVEN Associates, LLC	Copper, Gold, Silver, Metals, Precious Metals
HI015EM	McGhee Peak Exploration Project	AVEN Associates, LLC	Copper, Metals, Precious Metals
LI010EM	Outlaw Exploration Project	Red Basin, LLC	Rare Earths
LI011EM	Outlaw # 2	Red Basin, LLC	Rare Earths
LI012EM	Outlaw #3	Red Basin, LLC	Rare Earths
LU017EM	Victorio Project	Galway Resources	Molybdenum, Heavy Metals
MK034EM	Mesa Montanosa Exploration	Grants Ridge Joint Venture	Uranium
OT006EM	Cornudas Project	Geovic Mining Corp.	Rare Earths
SA005EM	Rio Puerco Exploration Project	Uranium Co. of NM	Uranium
SO014ER	Sullivan Ranch	BE Resources, Inc.	Beryllium
SO018EM	Ginger M Project	Red Basin, LLC	Rare Earths

6. Financial Assurance Update

Appendix 2 (Table 16) summarizes the types and amounts of financial assurance 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 deposits, letters of credit, collateral (real estate), and third-party guarantees.

Financial assurance posted with MMD totals over \$572 million, an increase of approximately \$1 million from the 2010 total of approximately \$571 million. The increase in financial assurance is attributable to several large exploration projects such as the Mesa Montanosa Exploration Project (uranium) and the Copper Flat Exploration 2 Project (copper and other precious metals) as well as increased financial assurance for several mine sites such as the Center Mine, the Lordsburg Mine and Mill, and the Little Rock Mine.

7. Amendments to the New Mexico Mining Act Rules

MMD convened the Director's Advisory Committee (DAC) on August 16, 2011, to discuss the following issues:

- A proposed increase in annual and application fees; and
- A proposed extension to MARP's ability to collect annual fees under 19.10.2.202 NMAC (the so-called "sunset date").

Data presented by MARP staff to the DAC suggest that the Program will be in deficit financial status by the end of fiscal year 2013 (i.e., June 30, 2013). As required by the New Mexico Mining Act in 69-36-7.M, the New Mexico Mining Commission (NMMC) shall:

"...establish by regulation a schedule of annual administrative and permit fees, which shall equal and not exceed the estimated costs of administration, implementation, enforcement, investigation and permitting pursuant to the provisions of the New Mexico Mining Act."

MARP staff presented a proposed increase of a combination of annual fees and application fees to total a projected fee increase of approximately \$218,000 per year to extend the program into the future as required by the New Mexico Mining Act. Staff also proposed extending the "sunset date" of March 31, 2012, in 19.10.2.202 NMAC to a new date of December 31, 2013. The DAC agreed to an extension of the sunset date until December 31, 2013, but wanted to have additional discussions with the staff regarding a fee increase.

Petition number 11-1 was subsequently drafted by MARP staff and submitted to the NMMC for consideration. The NMMC convened on November 1, 2011, to determine whether to set a date to meet on Petition 11-1. Following unanimous approval, a hearing on Petition 11-1 was scheduled by the NMMC for January 12, 2012.

8. Administrative Initiatives

Database Initiative

Initial work was completed with the Energy, Minerals and Natural Resources Department (EMNRD) Information Technology Office (ITO) application developers to upgrade the MARP database. The work resulted in a new database which became active in September 2011. The MARP database assists in the tracking of the activities of Program staff in permitting, inspecting, and monitoring mines and reclamation efforts, as well as the administration and release of financial assurances, and regulatory reporting. Some issues await completion; however, the database is active.

Guidance Document and Revised Application Initiative

Begun in 2010, the initiative to develop and issue guidance documents to assist the general public with the permitting process continues to be developed. Guidance documents released at this time include:

- Part 3 Guidance Document – covers new and existing minimal impact mines as well as minimal impact exploration operations (19.10.3 NMAC);
- Part 4 Guidance Document – covers new regular exploration projects (19.10.4 NMAC);
- Part 6 Guidance Document – applies to new regular mine permitting (19.10.6 NMAC); and
- Environmental Evaluation Guidance Document – applies to the requirement for new regular mines under 19.10.6 NMAC; it is based on the procedures and requirements for performing an environmental impact analysis under NEPA.

Program staff has also drafted other guidance documents to address mine permitting issues. One such document addresses the reclamation of uranium mines in the state. The guidance discusses criteria for the clean-up and stabilization of new uranium mine properties to be developed under Part 3 and Part 6 of the New Mexico Mining Act Rules. The Part 3 exploration application is also being revised to incorporate additional details about the proposed project, details that tend to be lacking in most applications. By prompting the applicant to provide this information up-front, it is anticipated that the application process should be streamlined, thereby potentially reducing the time needed for the permitting process.

Appendix 1:

Mining Operations in New Mexico as of December 2011

Table 9. Regular Existing Mines as of December 2011

Permit Number	Permit Name	Permit Operator	Permit Status	Mine Site Status	Commodity
BE001RE	Tijeras Mine and Mill	GCC Rio Grande, Inc.	Approved	Active Mining, Active Reclamation	Limestone
CA005RE	Challenge Mine and Mill	Challenge Mining Company	Pending	Permanent Closure, Active Reclamation	Gold
CI002RE	Mt. Taylor Mine	Rio Grande Resources Corp.	Approved	Temporary Suspension	Uranium
CI005RE	Tinaja Pit Mine	C & E Concrete, Inc.	Approved	Active Mining	Limestone
CI007RE	JJ No. 1 Mine	Sohio Western Mining Company	Approved	Permanent Closure, Reclaimed Awaiting Bond Release	Uranium
GR001RE	Pinos Altos Mine	Freeport McMoRan Chino Mines Co.	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Copper, Gold, Silver, Zinc
GR002RE	Continental Mine and Mill	Freeport McMoRan Cobre	Approved	Temporary Suspension	Copper, Gold, Molybdenum, Other, Silver, Zinc
GR006RE	Chino Limestone Mine	Freeport McMoRan Chino Mines Co.	Reclaimed	Permanent Closure, Reclaimed and Released	Limestone
GR007RE	Little Rock Mine	Freeport McMoRan Tyrone	Approved	Active Mining	Copper
GR008RE	Jersey Lily, Snowflake and Virtue Mines	Freeport McMoRan Tyrone	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Silica / Flux
GR009RE	Chino Mine and Mill	Freeport McMoRan Chino Mines Co.	Approved	Active Mining, Active Reclamation	Copper, Gold, Molybdenum, Silver
GR010RE	Tyrone Mine and Mill	Freeport McMoRan Tyrone	Approved	Active Mining, Active Reclamation	Copper
GR020RE	Georgetown Mine	Sierra Corporation	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Silver
GR028RE	Center Mine	Royal Minerals, Inc.	Approved	Active Mining	Gold, Silica / Flux, Silver
HI001RE	Lordsburg Mine and Mill	St. Cloud Mining Company	Approved	Permanent Closure, Reclaimed	Gold, Other, Silica / Flux
HI002RE	Brockman Mine	Hidalgo Mining LLC	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Silica / Flux
LU001RE	Deming Jigging Mill	American Minerals, Inc.	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Manganese
LU008RE	Cyprus Deming Tailings Impoundment	Chino Mines Company	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Copper, Gold, Silver, Zinc
LU009RE	Asarco Deming Mill	Asarco, Inc.	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Copper, Zinc
MK002RE	Section 35 Mine	Rio Algom Mining LLC	Approved	Permanent Closure, Reclaimed Awaiting Bond Release	Uranium

MK004RE	Northeast Church Rock Mine	United Nuclear Corporation	Pending	Permanent Closure, Active Reclamation	Uranium
MK005RE	Section 27 Mine	United Nuclear Corporation	Approved	Permanent Closure, Active Reclamation	Uranium
MK006RE	St. Anthony Mine	United Nuclear Corporation	Pending	Permanent Closure, Active Reclamation	Uranium
MK009RE	Old Stope Leach Mine	Rio Algom Mining LLC	Reclaimed	Permanent Closure, Active Reclamation	Uranium
RA004RE	Rocky Mountain Mine	CR Minerals Company, LLC	Approved	Active Mining	Pumice
RA005RE	Velarde Mill	Carmeuse Lime & Stone	Released	Permanent Closure, Reclaimed Awaiting Bond Release	Mica
SA001RE	El Cajete Mine	Copar Pumice Co.	Reclaimed	Permanent Closure, Active Reclamation	Pumice
SA002RE	Clod Buster Mine and Mill	Agronics, Inc.	Enforcement	Permanent Closure, No Reclamation	Humate
SA003RE	Nacimientos Mine	Leaching Tech. Inc.	Denied	Permanent Closure, No Reclamation	Copper
SF000RE	Terrero Mine	Phelps Dodge Corporation	Reclaimed	Permanent Closure, Reclamation Unknown	Other, Zinc
SF002RE	Cunningham Hill Mine	LAC Minerals (USA) LLC	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Gold
SI006RE	Zeolite Mine and Mill	St. Cloud Mining Company	Approved	Active Mining, Active Reclamation	Zeolites
SO001RE	Socorro Mine and Mill	Dicaperl Minerals Corp. - Socorro	Approved	Active Mining, Active Reclamation	Perlite
TA001RE	Questa Mine and Mill	Chevron Mining, Inc. - Questa Division	Approved	Active Mining, Active Reclamation	Molybdenum
TA002RE	El Grande Mine and Mill	Dicaperl Minerals Corp. - Taos	Approved	Active Mining, Active Reclamation	Perlite
TA003RE	U. S. Hill Mine	Pueblo of Picuris	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Mica
TA005RE	No Agua Mine and Mill	Harborlite Corp.	Approved	Active Mining	Perlite

Total Number of Regular Existing Mine Permits	37
Approved, Reclaimed or Released	32
Pending	3
Denied or In Enforcement	2

Table 10. Regular New Mines as of December 2011

Permit Number	Permit Name	Permit Operator	Permit Status	Mine Site Status	Commodity
SI004RN	Copper Flat Mine	Alta Gold Co., THEMAC Resources Group, Ltd	Withdrawn	Permanent Closure	Copper, Gold
OT001RN	Wind Mountain Quarry Mine	Addwest Minerals, Inc.	Withdrawn	Permanent Closure	Nepheline Syenite
MK025RN	Roca Honda Mine	Quivira Mining Company	Pending	Under Development	Uranium
SI027RN	Copper Flat Mine	New Mexico Copper Corp.	Pending	Permanent Closure	Copper, Gold, Molybdenum
CI008RN	La Jara Mesa Mine	Laramide Resources Inc.	Pending	None in Mine Reg	Uranium

Total Number of Regular New Mine Permit Applications	5
Approved	0
Pending	3
Withdrawn	2

Table 11. Minimal Impact Existing Mines as of December 2011

Permit Number	Permit Name	Permit Operator	Permit Status	Mine Site Status	Commodity
CA003ME	Hiawatha And Little Jim Mine	Volcanic Stone Company	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Tin
GR011ME	Summit Mine	Santa Fe Gold Corporation	Approved	Active Mining	Gold, Silver
GR016ME	Malone Mine	Osmer, Louis	Released	Permanent Closure, No Reclamation	Silica / Flux
GR018ME	Banks Mine (Lost New Summit No. 1 Mine)	Micrex Development Corporation	Approved	Permanent Closure, No Reclamation	Silica / Flux
GR019ME	Boston Hill Mine	Town of Silver City	Released	Permanent Closure, Reclaimed and Released	Manganese
GR025ME	Mathis Limestone Quarry Mine	Mathis Rocks	Approved	Permanent Closure, Active Reclamation	Aggregate, Limestone
GR029ME	Mount Royal Mine and Mill	Micrex Development Corporation	Approved	Permanent Closure, No Reclamation	Gold, Silver
GR030ME	Chemical Lime Mine & Mill	Chemical Lime Company of Arizona	Approved	Permanent Closure, Active Reclamation	Limestone, Silica / Flux
HI008ME	Volcano Mine	Dane Mining & Exploration, Ltd.	Reclaimed	Permanent Closure, No Reclamation	Silver
LI001ME	Warner Gulch Placer Mine	American Eagle Mining Company	Approved	Permanent Closure, Active Reclamation	Gold
LI005ME	Capitan Iron Mine	El Capitan Precious Metals, Inc.	Approved	Under Development	Iron
MK003ME	Star Lake Mine - Menefee	Menefee Mining Corporation	Approved	Active Mining	Humate
MK007ME	Star Lake Mine - Mesa Verde	Bruce Reid Enterprises dba Mesa Verde Resources	Approved	Active Mining	Humate
MK008ME	Pueblo Alto Mine	Bruce Reid Enterprises dba Mesa Verde Resources	Approved	Active Mining, Active Reclamation	Humate
MK023ME	Section 14 Mine	Southwest Resources, Inc.	Reclaimed	Permanent Closure, Active Reclamation	Uranium
RA001ME	Northstar Mine	Shamrock Metals LLC	Pending	Under Development	Gold
RA003ME	Cullum Claims Mine	Pueblo of Santa Clara	Approved	Permanent Closure, Active Reclamation	Pumice
RA006ME	General Pumice Mine	City of Espanola	Approved	Permanent Closure, Active Reclamation	Pumice
SA005ME	Menefee Mill	Menefee Mining Corporation	Approved	Active Mining	Humate
SA010ME	Mesa Verde Resources Mill	Bruce Reid Enterprises dba Mesa Verde Resources	Released	Permanent Closure, Reclaimed and Released	Humate
SF001ME	San Pedro Mine and Mill	St. Cloud Mining Company	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Copper, Garnet, Gold, Silver
SF003ME	Silver Silica Mine	Oro Blanco Mining Company, LLC	Approved	Active Mining, Active Reclamation	Other

SF006ME	CR Minerals Mill	CR Minerals Company, LLC	Released	Permanent Closure, Reclaimed and Released	Pumice
SI001ME	St. Cloud U.S. Treasury Mine	St. Cloud Mining Company	Approved	Permanent Closure, Reclaimed Awaiting Bond Release	Copper, Gold, Silica / Flux, Silver
SI007ME	Midnight Mine	Harris, Larry	Approved	Permanent Closure, Reclamation Unknown	Gold
VA001ME	Lucero Quarry Mine	New Mexico Travertine	Approved	Active Mining	Aggregate, Dimension & Flagstone, Travertine

Total Number of Minimal Impact Existing Mine Permit Applications	26
Approved	17
Released or Reclaimed	8
Pending	1

Table 12. Minimal Impact New Mines as of December 2011

Permit Number	Permit Name	Permit Operator	Permit Status	Mine Site Status	Commodity
CA002MN	Deadwood / Last Chance Mine	Micrex Development Corporation	Approved	Permanent Closure, No Reclamation	Gold, Silica / Flux, Silver
CI003MN	ANP No. 2 Mine	Denali Enterprises	Approved	Temporary Suspension	Travertine
CI004MN	Haskani Mine	Denali Enterprises	Approved	Active Mining	Travertine
CI006MN	Ray Claims No. 4 and No. 6 Mine	International Stone Company	Approved	Active Mining	Travertine
DA001MN	Shamrock Leach Site	Shamrock Environmental	Withdrawn	None in Mine Reg	Heavy Metals
DA003MN	Alley Gypsum Mine	Alley, Gene and Stacy	Released	None in Mine Reg	Gypsum
GR012MN	KB Mine	Southwest Silica Flux Co., Inc.	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Silica / Flux
GR022MN	Farmers Backbreaker Mine	Larry Moore	Enforcement	Permanent Closure, No Reclamation	Gold
GR023MN	Copper Conglomerate Mine	Copper Creek Exploration	Denied	Permanent Closure, No Reclamation	Copper
GR024MN	Toro Mine	Toro Mining & Minerals, Inc.	Released	Permanent Closure, Reclaimed and Released	Perlite
GR036MN	Grooms Placer Mine	Grooms, Steven	Approved	Under Development	Gold, Silver
GR056MN	McCauley Perlite Mine	St. Cloud Mining Company	Released	Never Mined	Perlite
GR058MN	Billali Mine	Billingsley, Richard and Leslie	Approved	None in Mine Reg	Gold, Silver
HI004MN	KM Mine	Southwest Silica Flux Co., Inc.	Reclaimed	Permanent Closure, Reclaimed Awaiting Bond Release	Silica / Flux
LU011MN	Herb Bailey No. 1 Mine	Boot Heel Minerals	Enforcement	Permanent Closure, No Reclamation	Gemstone
LU012MN	Herb Bailey No. 2 Mine	Boot Heel Minerals	Enforcement	Permanent Closure, No Reclamation	Gemstone
LU015MN	Hooper Quarry	St. Cloud Mining Company	Withdrawn	Active Mining, Active Reclamation	Dolomite
MK010MN	U-Mate Mine	U-Mate International, Inc.	Approved	Active Mining	Humate
MK011MN	Morningstar Mine	Morningstar Corporation	Denied	Permanent Closure, Reclaimed	Humate
MK012MN	Jaramillo Humate Mine	Anasazi Stone, LLC	Approved	None in Mine Reg	Humate
MK024ME	Section 12 Mine	Southwest Resources, Inc.	Pending	Permanent Closure, Active Reclamation	Uranium
MK026MN	Black Spring Mine	Menefee Mining Corporation	Approved	None in Mine Reg	Humate
OT002MN	B.O.W. Mine	B.O.W. Corporation	Approved	Under Development	Garnet
OT003MN	Joel Nanez Mine	Joel Nanez	Withdrawn	None in Mine Reg	Gypsum
OT005MN	Orogrande Placer Gold Mine	W.W. Mining & Production	Approved	None in Mine Reg	Gold

OT006MN	Iron Duke Mine	Gulf Coast Mining Group, LLC	Approved	None in Mine Reg	Iron
SA004MN	Copar South Pit Mine	Copar Pumice Co.	Approved	Permanent Closure, Reclaimed	Pumice
SA006MN	Copper City Mine	Crystal Mining Corp.	Approved	Permanent Closure, No Reclamation	Humate
SA009MN	Eagle Mesa Mine	Ramsco Operations, Inc.	Approved	Active Mining	Humate
SA011MN	San Luis Mine	Horizon Ag Products, L.P.	Approved	Active Mining	Humate
SA012MN	Horizon-Ag Products Cuba Mill	Horizon Ag Products, L.P.	Pending	None in Mine Reg	Humate
SA015MN	H2 Screen Facility	Horizon Ag Products, L.P.	Approved	None in Mine Reg	Humate
SI005MN	Burbank Canyon Mine	Cornerstone Investment Circle, LLC	Approved	Under Development	Precious Metals
SI020MN	Coyote Cliff No. 1 Mine	Coyote Cliff, LLC	Approved	Active Mining	Zeolites
SI021MN	Coyote Cliff No. 2 Mine	Coyote Cliff, LLC	Approved	Active Mining	Zeolites
SI022MN	Smugglers Mine	Walters, Gordon	Denied	None in Mine Reg	Gold, Silver
SI023MN	Franklin Mine	Walters, Gordon	Denied	None in Mine Reg	Gold, Silver
SI024MN	Baxter Claim (aka Badger Claim) Mine	Walters, Gordon	Denied	None in Mine Reg	Gold, Silver
SI025MN	Harding Mine	Rutland, Wayne M.	Approved	None in Mine Reg	Gold, Silver
SI026MN	Granite Wash Mine	Riggs, Earl G.	Denied	None in Mine Reg	Gold
SI033MN	Tesoro del Alma Mine	Tesoro Del Alma Inc.	Pending	None in Mine Reg	Gold, Precious Metals
SJ001MN	Morningstar Mill	Morningstar Corporation	Pending	Permanent Closure, No Reclamation	Humate
SJ002MN	Chaco Limestone Quarry	Chaco Limestone Quarry LLC	Approved	Permanent Closure, Active Reclamation	Limestone
SO002MN	Sais Quarry Mine	New Mexico Travertine	Approved	Active Mining	Aggregate, Other
SO004MN	Alamosa Mine	Tognoni & Lufkin	Enforcement	Permanent Closure, No Reclamation	Beryllium
SO005MN	San Lorenzo Claim Mine	Apodaca, Tim	Denied	Under Development	Gold
SO012MN	San Antonio Pumice Pit	Bobby Garcia Trucking	Withdrawn	Never Mined	Pumice
UN001MN	Long Ranch Mine	Dumas Ventures, LLC,	Pending	None in Mine Reg	Gold, Platinum, Silver

Total Number of Minimal Impact New Mine Permit Applications	48
Approved or Reclaimed	25
Released	3
Pending	5
Withdrawn	4
In Enforcement	4
Denied	7

Table 13. Regular Exploration Projects as of December 2011

Permit Number	Permit Name	Permit Operator	Permit Status	Commodity
CI014ER	Cebolleta Exploration Project	Neutron Energy	Approved	Uranium
GR039ER	Lone Mountain Project	Copper One (USA), Inc.	Pending	Copper
HI013ER	Lordsburg Exploration Project II	Entree Gold, Inc.	Pending	Copper, Gold
LI003ER	Bonito Gold & Silver Project	David Dunn	Withdrawn	Gold, Silver
LI009ER	El Capitan Exploration Drilling Project	El Capitan Precious Metals, Inc.	Pending	Gold
LI010ER	El Capitan Exploration	El Capitan Precious Metals, Inc.	Pending	Gold, Platinum
LU016ER	Victorio Project	Galway Resources US, Inc.	Withdrawn	Metals
MK023ER	Marquez Canyon Confirmation Drilling Program	Neutron Energy	Approved	Uranium
RA001ER	Northstar Mill Project	Northstar 1991 Family Living Trust	Withdrawn	Gold
SA003ER	Georgia Claims Project	Centex American Gypsum	Released	Gypsum
SF005ER	Carache Canyon 4 Project	LAC Minerals (USA), Inc.	Withdrawn	Gold
SO014ER	Sullivan Ranch Exploration Part 4 Project	BE Resources Inc.	Approved	Beryllium
TA001ER	Pilar Project	Golden Rod Mining	Withdrawn	Gold

Total Number of Regular Exploration Permit Applications	13
Approved	3
Released	1
Pending	4
On-Hold	0
Withdrawn	5

Table 14. Minimal Impact Exploration Projects as of December 2011

Permit Number	Permit Name	Permit Operator	Permit Status	Commodity
BE001EM	HRI, Inc. Exploration Project	HRI, INC.	Approved	Uranium
CA004EM	Gutapa Exploration Project	Sunburst Mining Corp.	Approved	Gold, Platinum
CA005EM	Cow Springs Exploration Project	Sunburst Mining Corp.	Withdrawn	Precious Metals
CA006EM	Deep Creek Exploration Project	Derek Kuester	Approved	Copper, Gold, Silver
CA007EM	Faith Mining Association Project	Faith Mining Association	Approved	Gold, Platinum Group
CA008EM	Southwest Research #1 Project	Southwest Research and Dev. Company	Approved	Gold, Platinum, Silver
CA009EM	Apache Camp Exploration Project	Faith Mining Association	Approved	Gold
CA011EM	Sunburst/Deadwood Exploration Project	Micrex Development	Approved	Copper, Gold, Silver
CA012EM	Ormor #1, Lode Mining Claim	Heath Technologies, Inc.	Withdrawn	Gold
CA013EM	Lone Pine Hill Mineral Exploration Project	World Industrial Minerals	Withdrawn	Gold
CA014EM	Deer Claims Exploration Project	Vane Minerals Plc	On hold	Uranium
CA015EM	Baca Project	Red Basin, LLC	Approved	Uranium
CA016EM	White Mesa Project	Red Basin, LLC	Approved	Uranium
CA017EM	Sunburst Deadwood Drilling	Mountain Rio Resources	Withdrawn	Copper, Gold, Silver
CA018EM	Mogollon Project	Columbus Silver (U.S.) Corp.	Released	Gold, Silver
CA019EM	Mogollon 2 Project	Columbus Silver (U.S.) Corp.	Withdrawn	Gold, Silver
CA020EM	Deer Claim Re-Entry Project	Frank Bain	Pending	Uranium
CA021EM	Red Basin Project	Red Basin, LLC	Pending	Uranium
CA022EM	Webster Project	Red Basin, LLC	Pending	Uranium
CA023EM	Down-Dip Project	Red Basin, LLC	Pending	Uranium
CI001EM	ANP No. 1 Project	Acid Neutralization Products, Inc.	Approved	Travertine
CI002EM	La Jara Mesa Confirmation Drill Project	Anaconda Resources, Inc.	Approved	Uranium
CI004EM	Twenty Two Project	Jim Herrison	Approved	Travertine
CI008EM	La Jara Mesa Exploration Project	Laramide Resources, Inc.	Approved	Uranium
CI009EM	La Jara Mesa Extension Exploration	Urex Energy Corp	Denied	Uranium
CI010EM	Treeline II Exploration Project	Western Energy Development Corp	Denied	Uranium
CI011EM	DD No. 1 Exploration Project	Rampart Resources, Inc.	Withdrawn	Uranium

CI012EM	Armijo Project	Grants Ridge Joint Venture	Released	Uranium
CI013EM	F-33	Grants Ridge Joint Venture	Released	Uranium
DA002EM	Golden Link Exploration Project	Don Snodgrass	Approved	Gold, Silver
GR001EM	Deadman Canyon Project	Copper Creek Exploration Ltd.	Approved	Copper
GR002EM	Pinos Altos Project	Pinos Altos Gold Exp. Inc.	Approved	Gold
GR004EM	Tyrone West Drilling Program	Copper Creek Exploration Ltd.	Approved	Copper
GR005EM	Gold Rush Project	Harvey Lee Harvey	Approved	Gold, Silver
GR006EM	Navarro Mineral Project	D. Gilbert Navarro	Approved	Gold
GR007EM	Lone Mountain Project	Lone Mtn Mining LTD.	Approved	Copper
GR009EM	Good Cheer Group Project	Don Yelsma	Approved	Gold, Silver
GR010EM	Beaumont Silver Mine Project	Lou Osmer	Approved	Silver
GR011EM	Shamrock Gold Mine Project	Lou Osmer	Approved	Gold
GR012EM	Astrologer Gold Mine Project	Lou Osmer	Approved	Gold
GR013EM	Chocolate Peak Project	Harald Hoegberg	Approved	Copper, Gold, Silver, Zinc
GR014EM	Copper Mountain South Project	Phelps Dodge Tyrone, Inc.	Approved	Copper
GR015EM	Golden Eagle Exploration Project	John Bernal	Approved	Gold
GR017EM	Toro Mining Exploration Project	Charles Grey	Approved	Perlite
GR018EM	Emma Exploration Drilling Project	Phelps Dodge Tyrone, Inc.	Approved	Copper
GR019EM	SW Area Drilling Project	Phelps Dodge Tyrone, Inc.	Approved	Copper
GR020EM	Nellie Bly Exploration Project	Phelps Dodge Tyrone, Inc.	Approved	Copper
GR021EM	Hachita Project	Ken Krahulec	Approved	Precious Metals
GR022EM	Tyrone Peak Project	Phelps Dodge Tyrone, Inc.	Approved	Copper
GR023EM	Brockman Exploration Project	Kennecott Exploration Company	Approved	Gold
GR024EM	Don Snodgrass Project	Don Snodgrass	Approved	Gold, Silver
GR025EM	Lawrence Pierce Project	Lawrence Pierce	Approved	Gold
GR026EM	Gutapa Project	Sunburst Mining Corp.	Approved	Gold, Platinum
GR027EM	Neglected Mine Project	William Hinkle, Jr.	Released	Copper, Gold, Silver
GR028EM	Thornwell Exploration	Thornwell Rogers	Approved	Copper, Silver, Zinc
GR029EM	Galway Lone Mountain Project	Galway Resources US, Inc.	Approved	Copper, Lead, Zinc

GR030EM	Malone Project	Evolving Gold Corporation	Approved	Gold, Silver
GR031EM	Gold Lake Prospect Project	New Mexico General Minerals LLC	Approved	Copper
GR032EM	Galway Lone Mountain Project Permit Modification 2	Galway Resources US, Inc.	Approved	Copper, Lead, Zinc
GR033EM	Continent Lone Mountain	Continent Resources Inc.	Approved	Copper, Gold, Silver, Zinc
GR034EM	Malone Exploration Project 2	Evolving Gold Corporation	Released	Gold
GR035EM	Gunsight Exploration Project	Philip Chambless	Approved	Turquoise
GR036EM	Oro Project	Southern Silver Exploration, Ltd.	Approved	Copper, Gold, Lead, Metals, Silver, Zinc
GR037EM	Codebreaker Enterprises, Inc. Santo Nino Claim	Code Breaker Enterprises Inc.	Approved	Gold
GR038EM	LT Ranch	Copper One (USA) Inc.	Released	Copper, Gold, Lead, Silver, Zinc
GR040EM	ORO II	Southern Silver Exploration, Ltd.	Approved	Copper, Gold, Silver
GR041EM	Oak Grove Exploration Project	Entree Gold, Inc.	Pending	Copper
GR042EM	Shamrock Mine Exploration	NV Gold Corporation	Withdrawn	Copper
GR063EM	Saddleback Project	Silver Standards Resources Inc.	Pending	Gold, Silver
GR064EM	JC Imperial LLC Exploration	Billingsley, Leslie	Pending	Gold, Silver
HI001EM	San Simon Project	Cyprus Metals Company	Approved	Copper
HI002EM	Beck Mine Project	Beck Silver Mines	Approved	Gold, Silver
HI003EM	Sterling Project	Noranda Exploration, Inc.	Approved	Copper
HI004EM	Willow Draw Project	Mark Osterbern	Approved	Copper
HI005EM	Comstock Project	Bush Mining And Ranching	Withdrawn	Gold, Silver
HI006EM	Hachita Peak Project	Teck Resources	Approved	Gold
HI007EM	Apache Hills Project	Madison Resources (NM), Inc.	Approved	Metals
HI009EM	Lordsburg Exploration Project	Entree Gold, Inc.	Approved	Copper, Gold
HI010EM	Gold Hill Project	Entree Gold, Inc.	Approved	Copper, Gold
HI011EM	Lordsburg West	AVEN Associates LLC	Released	Copper, Gold, Silver
HI012EM	Purple Heather	Roderick McKeag	Withdrawn	Copper, Lead, Silver, Zinc
HI014EM	Granite Gap Exploration Project	AVEN Associates LLC	Approved	Copper, Gold, Metals, Precious Metals, Silver
HI015EM	McGhee Peak Exploration Project	AVEN Associates LLC	Approved	Copper, Metals, Precious Metals
HI017EM	Lordsburg Project	Lordsburg Mining Company	Pending	Copper

LI001EM	Vera Cruz Project	Placer Dome, Inc.	Approved	Copper, Gold
LI004EM	M & R Project	Richard Mendoza	Approved	Rare Earth
LI006EM	Stage 4 Exploration Project	El Capitan Ltd	Withdrawn	Metals
LI008EM	El Capitan Reclamation Project	El Capitan Precious Metals, Inc.	Released	Precious Metals
LI010EM	Outlaw Exploration Project	Red Basin, LLC	Approved	Rare Earth
LI011EM	Outlaw # 2	Red Basin, LLC	Approved	Rare Earth
LI012EM	Outlaw #3	Red Basin, LLC	Approved	Rare Earth
LI031EM	M&E Phase 2 Project		Pending	Rare Earth
LU001EM	Victorio Project	Lone Mtn Mining Ltd.	Approved	Gold
LU002EM	Homer's Little Diggins Project	Homer Nute	Released	Precious Metals
LU003EM	Mahoney Exploration Project	James M. Telford	Approved	Zinc
LU010EM	Cameo Exploration Project	Philip Chambless	Approved	--
LU013EM	Kling Exploration Project	C.A. Kling	Approved	--
LU014EM	Victorio Mountain Galway Resources Exp 200	Galway Resources US, Inc.	Reclaimed	Metals
LU015EM	Victorio Mountain Galway Resources Exp 200	Galway Resources US, Inc.	Released	Metals
LU017EM	Victorio Project	Galway Resources	Approved	Heavy Metals, Molybdenum
LU019EM	Peru Hill Mill Tailing Impoundment	Don Snodgrass	Released	Zinc
MK009EM	Gamerco Project	U Mate International	Approved	Humate
MK010EM	West Ambrosia Project	HRI, INC.	Approved	Uranium
MK011EM	Andrea Corporation Project	Hal Collins	Approved	Humate
MK012EM	Treeline Exploration Project	Western Energy Development Corp	Approved	Uranium
MK013EM	Ambrosia Lake Exploration	Neutron Energy	Approved	Uranium
MK014EM	Roca Honda Exploration	Strathmore	Approved	Uranium
MK015EM	Church Rock Exploration Project	Strathmore	Withdrawn	Uranium
MK016EM	Hosta Butte Section 3 Project	Quincy Energy Corp.	Denied	Uranium
MK017EM	Crownpoint Section 19 Project	Quincy Energy Corp.	Denied	Uranium
MK018EM	Treeline III Exploration Project	Western Energy Development Corp	Denied	Uranium
MK019EM	Section 12 Exploration Project	George Lotspeich	Denied	Uranium
MK020EM	San Mateo Mesa Exploration Project	Uranium Energy Corp	Denied	Uranium

MK021EM	Section 11 Exploration Project	George Lotspeich	Withdrawn	Uranium
MK022EM	Roca Honda Sections 5, 9 and 10 Project	Roca Honda Resources	Withdrawn	Uranium
MK025EM	Section 13 ISR Exploration	Uranium Resources Inc.	Approved	Uranium
MK026EM	Roca Honda Project Section 10	Roca Honda Resources	Denied	Uranium
MK027EM	West Ranch Exploration Project	Ree-Co Uranium, LP	Released	Uranium
MK028EM	Elizabeth Claims	Neutron Energy	Approved	Uranium
MK029EM	Eric #1	Bob March	Pending	Precious Metals
MK031EM	North Zia Project	Cibola Exploration Inc.	Denied	Uranium
MK032EM	Star Lake MVR Exploration	Mesa Verde Resources	Released	Humate
MK033EM	Pueblo Alto Exploration	Mesa Verde Resources	Released	Humate
MK034EM	Mesa Montanosa Exploration	Grants Ridge Joint Venture	Approved	Uranium
MK035EM	Escondido Ranch Exploration	Bruce Reid Enterprises dba Mesa Verde Resources, Mesa Verde Resources	Released	Humate
MK036EM	Ree-Co Section 6 Exploration	Ree-Co Uranium, LP	Pending	Uranium
OT002EM	Oro Grande Project	Lone Mtn Mining, Ltd.	Approved	Copper, Gold
OT003EM	Metalline Mining Exploration Project	Metalline Mining Co.	Approved	--
OT004EM	B.O.W Exploration Project	B.O.W. Corporation	Approved	Garnet
OT006EM	Cornudas Project	Geovic Mining Corp	Approved	Rare Earth
RA002EM	Mid Way Exploration Project	Al Puckett	Approved	Gold
RA158EM	Velazco Exploration Project		Pending	Pumice
SA001EM	Los Griegos Project	Copar Pumice Co.	Approved	Pumice
SA004EM	Vallecitos Drilling Project	Copar Pumice Co.	Approved	Pumice
SA005EM	Rio Puerco Exploration Project	Uranium Co. of NM	Approved	Uranium
SA012EM	Lily Exploration Project	Uranium Co. of NM	Approved	Uranium
SA013EM	San Luis Humate Exploration	Horizon Ag Products, L.P.	Released	Humate
SA014EM	San Luis Humate Exploration #2	Horizon Ag Products, L.P.	Withdrawn	Humate
SF001EM	Cerro de Oro Nos. 2 and 11 Project	Joan Oller	Approved	Gold
SF002EM	Jack's Place Project	Jack Nelson	Approved	Gold
SF003EM	Three B's Nos. 1 and 2 Project	Brian Kew	Approved	Gold

SF004EM	Rafelita Project	Joseph Gonzales	Approved	Gold
SF006EM	Jones Hill	Champion Resources	Approved	Gold, Silver
SF007EM	NMGMA Project	Texas Gold - NMGMA	Approved	Gold
SF008EM	Jones Hill Project	Davenport Minerals Corp	Approved	Copper, Gold, Silver, Zinc
SF009EM	Bixby Exploration Project	Paul Plunkett	Withdrawn	Gold
SI001EM	Hillsboro Project	Placer Dome, Inc.	Approved	Copper, Gold, Silver
SI002EM	Hackberry Draw Project	Grubstake Mng & Exp., Inc.	Approved	Gold
SI007EM	Drolte Mine Project	Drolte Mining	Approved	Metals
SI008EM	Colossal Project	Ed Rudder	Approved	Gold
SI009EM	Gold Run No. 1 Placer Project	John D. Whiteside	Approved	Gold
SI010EM	Deep Pockets #1 and #2 Project	Arthur Hartman	Approved	Gold
SI011EM	Drolte Claims Project	Mary Alice Drolte	Approved	Gold
SI012EM	B. Franklin Claims Project	Dan Dodl	Approved	Gold, Platinum, Silver
SI013EM	Gold Silver Exploration Project	Dan Medley	Approved	Gold
SI014EM	Dictator Mine Project	Megastar Ventures	Approved	Copper, Gold, Lead, Silver, Zinc
SI015EM	Sonny's Tailings Project	Ken Schmatjen	Approved	Gold
SI016EM	Iron Mountain Exploration Project	Great Western Exploration	Approved	Beryllium
SI017EM	East of Winston Exploration Project	Great Western Exploration	Approved	Rare Earth
SI018EM	Franklin Mine Project	Sonny Riggs	Approved	Gold
SI019EM	Bat Cave Canyon Project	Sonny Riggs	Approved	Gold, Silver
SI020EM	Socorro 2006A Exploration Project	Melvin R. Mathis	Approved	Gold, Precious Metals
SI021EM	Rifleshoot Project	Geoinformatics Alaska Exploration Inc.	Approved	Copper, Lead, Silver, Zinc
SI022EM	Copper Flat Exploration	New Mexico Copper Corp.	Approved	Copper
SI023EM	Argo #7	Joseph Jordon, Alpha Miining Co.	Denied	Gold
SI024EM	Granite Canyon #3	Dominion Alliance	Withdrawn	Gold
SI035EM	Alivio Exploration Project	Shamrock Mining, LLC	Approved	Gold
SO001EM	San Juan Exploration Shaft	Al Meyers	Approved	Gold, Silver
SO002EM	Northside Drilling Project	Kalahari Exploration LLC	Approved	Copper
SO004EM	Alamosa Exploration Project	Bob Lufkin and David Tognoni	Enforcement	Beryllium

SO005EM	Andrea Ann Exploration Project	Cliff Strieber	Released	Fluorspar
SO006EM	Sullivan Ranch Exploration Project	Great Western Exploration	Denied	Rare Earth
SO007EM	Burma Exploration Project	Great Western Exploration	Approved	Beryllium
SO008EM	Socorro 2005A Exploration Project	Socorro Minerals Corp.	Approved	Gold, Precious Metals
SO010EM	Sullivan Ranch (Revised) Project	Great Western Exploration	Denied	Beryllium
SO011EM	Bingham Exploration Project	Ramon Demark	Approved	--
SO012EM	Riley Exploration Project	Max Resources Corporation	Approved	Uranium
SO013EM	Riley Exploration Project # 2	Max Resources Corporation	Approved	Uranium
SO015EM	Iron Mountain Exploration Project	BE Resources Inc.	Withdrawn	Beryllium
SO016EM	Burma Exploration Project	BE Resources Inc.	Withdrawn	Beryllium
SO017EM	Richard's Glory Hole	Alan Perryman	Approved	Metals
SO018EM	Ginger M Project	Red Basin, LLC	Approved	Rare Earth
SO019EM	Vin Exploration	George Lotspeich	On hold	Copper, Silver
TA002EM	Champion Project	St. Mary Mineral Inc.	Approved	Copper
TO001EM	3 in 1 Project	George Ramirez	Approved	Copper
TO002EM	3 in 1 Project	Ciro Ramirez	Approved	Copper
UN002EM	Sowers Ranch Exploration Project	Dumas Ventures, LLC,	Enforcement	Gold, Platinum, Precious Metals, Silver
UN003EM	Additional Ranches	Dumas Ventures, LLC,	Enforcement	Gold, Precious Metals

Total Number of Minimal Impact Exploration Applications	188
Approved or Reclaimed	124
Released	17
Pending	12
On-Hold	2
Withdrawn	18
Denied	12
In Enforcement	3

Table 15. General Permits as of December 2011

Permit Number	Permit Name	Permit Status	Date Received	Date Approved
BE001WET	Robert Lipinski	Approved	08/11/2004	8/17/2004
CI001DRY	International Stone Company	Approved	7/9/2002	7/15/2002
CO001DRY	Dumas Ventures, LLC	Denied	3/28/2011	--
ED001DRY	Mark Hooper	Approved	5/1/2008	5/27/2008
ED002DRY	Mark Hooper	Approved	5/18/2009	6/1/2009
ED003DRY	Mark Hooper	Approved	6/14/2010	6/16/2010
ED004DRY	Mark Hooper	Approved	5/16/2011	6/1/2011
GR020DRY	ENER G. CORP., INC.	Approved	7/31/1997	8/7/1997
GR022DRY	Cathy J Heslet	Approved	3/23/1998	3/30/1998
GR023WET	Weston C Wolff	Approved	2/4/1998	3/11/1998
GR025DRY	John Bernal	Approved	5/4/1998	5/12/1998
GR029DRY	Paul Plunkett	Approved	4/21/1998	4/28/1998
GR030DRY	John Huntress	Approved	4/6/1999	5/1/1999
GR031DRY	Samuel Munoz	Approved	7/15/1999	7/21/1999
GR032DRY	Dana Bates	Approved	7/5/2000	7/8/2000
GR033WET	Weston C Wolff	Approved	7/10/2000	7/24/2000
GR034WET	Weston C Wolff	Approved	8/15/2001	8/21/2001
GR035WET	Weston C Wolff	Approved	9/3/2002	9/4/2002
GR050WET	Robert Batchler	Approved	2/23/1998	2/26/1998
GR051DRY	Mark Welch	Approved	1/24/2003	2/17/2003
GR052WET	Weston C Wolff	Approved	8/4/2003	8/4/2003
GR053DRY	John Scully	Approved	12/5/2003	12/17/2003
GR054WET	Weston C Wolff	Approved	8/2/2004	8/3/2004
GR055WET	Weston C Wolff	Approved	9/15/2005	9/21/2005
GR056WET	Weston C Wolff	Approved	8/15/2006	8/30/2006
GR057WET	Weston C Wolff	Approved	8/9/2007	9/26/2007
GR058WET	Weston C Wolff	Approved	8/29/2008	9/11/2008
GR059DRY	Code Breaker Enterprises Inc.	Approved	8/4/2009	9/14/2009
LI027DRY	Paul Plunkett	Approved	4/21/1998	4/28/1998
LI028DRY	Amos Black III	Approved	6/7/1999	7/7/1998
LI029DRY	Vincent Sanders	Approved	8/31/2007	10/1/2007
LU001DRY	Homer Nute	Approved	5/27/2009	6/12/2009
LU002DRY	Richard Little	Approved	5/10/2010	6/10/2010
LU018DRY	Big Diggings	Approved	11/2/2011	12/13/2011
MK001DRY	Ree-Co Uranium LP	Approved	5/27/2009	8/19/2009
MK002DRY	Grants Ridge Joint Venture	Approved	10/8/2010	10/14/2010
OT031DRY	Harvey Snowden	Approved	8/26/1997	8/29/1997
OT032DRY	Harvey Snowden	Approved	8/31/1998	9/11/1998
OT033DRY	Amos Black III	Approved	6/7/1999	7/7/1998
OT034DRY	Mike Pittman	Approved	5/16/2006	8/30/2006
OT035DRY	Daniel Curtis	Approved	6/27/2007	7/17/2007
RA001WET	Rhonda Shinpoch	Approved	4/28/1997	5/8/1997
RA002WET	Ed Shinpoch	Approved	5/18/1998	6/2/1998
RA003WET	Charles Alston	Approved	3/16/1998	3/30/1998
RA004WET	Terry Nelson	Approved	4/21/1997	4/24/1997

RA005WET	Donavon L Maddox	Approved	5/19/1997	5/22/1997
RA006WET	James W White	Approved	5/7/1997	5/10/1997
RA007WET	Thomas L Sena	Approved	5/19/1997	5/29/1997
RA008WET	Buell Williams	Approved	5/19/1997	5/29/1997
RA009WET	Arnold Hale	Approved	5/19/1997	5/29/1997
RA011WET	Steven Hill	Approved	5/19/1997	5/29/1997
RA012WET	Lynn Files	Approved	5/19/1997	5/29/1997
RA014WET	Philip R Fattori	Approved	5/27/1997	5/27/1997
RA015WET	Stuart K Scantlin	Approved	6/3/1997	6/18/1997
RA016WET	Jim K Edwards	Approved	6/17/1997	6/18/1997
RA017WET	Harold Phelps	Approved	6/25/1997	6/30/1997
RA018WET	Robert Threlkeld	Approved	3/23/1998	3/30/1998
RA019WET	Harold C Conley	Approved	5/12/1998	6/11/1998
RA024WET	Bruce C Gibson	Approved	2/11/1998	2/24/1998
RA026WET	David Eckles	Approved	4/30/1998	5/11/1998
RA030WET	Richard Freeze	Approved	6/26/1998	7/6/1998
RA031WET	Willy Skigen	Approved	6/26/1998	7/6/1998
RA032WET	Mike Cogburn	Approved	4/23/1999	5/15/1999
RA033DRY	Richard Vondrak	Approved	5/11/1999	6/21/1999
RA034WET	Harold Phelps	Approved	5/24/1999	5/24/1999
RA035WET	Amos Black III	Approved	6/7/1999	7/7/1998
RA036WET	Mark Barber	Approved	6/25/1999	7/1/1999
RA037WET	Robert M Shober	Approved	6/22/1999	7/1/1999
RA038WET	Larry Melvin	Approved	8/9/1999	8/21/1999
RA039WET	Ed Shinpoch	Approved	3/20/2000	3/23/2000
RA040WET	Timothy Haller	Approved	2/23/2007	3/23/2000
RA041WET	Richard Freeze	Approved	5/3/2000	5/17/2000
RA042WET	Mike Cogburn	Approved	5/11/2000	5/17/2000
RA043WET	Jeff Shute	Approved	5/26/2000	5/26/2000
RA044WET	Harold C Conley	Approved	5/30/2000	5/30/2000
RA045WET	Robert M Shober	Approved	6/19/2000	7/1/2000
RA046DRY	Richard Vondrak	Approved	6/20/2000	6/21/2000
RA047DRY	Robert Gibbens	Approved	7/2/2001	7/9/2001
RA047WET	John Fegel	Approved	6/30/2000	6/30/2000
RA048WET	Richard Bird	Approved	6/29/2000	7/6/2000
RA049WET	Don Classen	Approved	7/20/2000	7/21/2000
RA050WET	Steve Klahn	Approved	4/12/2001	4/16/2001
RA051WET	Amos Black III	Approved	5/11/2001	5/14/2001
RA052WET	David Krenek	Approved	5/15/2001	5/16/2001
RA053WET	Richard Bird	Approved	5/21/2001	5/21/2001
RA054WET	Richard Freeze	Approved	5/21/2001	5/21/2001
RA055WET	Ed Shinpoch	Approved	5/25/2001	5/29/2001
RA056WET	Ron Burnside	Approved	5/31/2001	5/31/2001
RA057WET	Richard Torres	Approved	6/5/2001	6/5/2001
RA058WET	Harold C Conley	Approved	6/15/2001	6/15/2001
RA061WET	Robert M Shober	Approved	7/19/2001	7/20/2001
RA062WET	John Garcia	Approved	8/1/2001	8/1/2001
RA063WET	Norman Van Camp	Approved	2/27/2002	2/27/2002

RA064WET	Amos Black III	Approved	4/12/2002	4/16/2002
RA065WET	Ed Shinpoch	Approved	4/12/2002	4/16/2002
RA066WET	Robert M Shober	Approved	7/18/2002	7/18/2002
RA067WET	Karl Murphy	Withdrawn	4/25/2003	--
RA068WET	Cecil Morrow	Approved	5/12/2003	5/21/2003
RA069WET	Jeff Jaramillo	Approved	5/28/2003	5/28/2004
RA070WET	Ronald D Stanley	Approved	6/1/2003	6/13/2003
RA071WET	Gary Fannin	Approved	6/12/2003	6/13/2003
RA072WET	Russel Palmer	Approved	6/6/2003	6/13/2003
RA073WET	Joe Walker	Approved	7/30/2003	8/5/2003
RA074WET	Harold Phelps	Approved	8/12/2003	8/12/2003
RA075WET	Matthew Hindi	Approved	8/14/2003	8/14/2003
RA076WET	Jerry Emerson	Approved	11/7/2003	12/15/2003
RA077WET	Eugene Leggett	Approved	1/8/2004	1/20/2004
RA078WET	Ronald D Stanley	Approved	2/2/2004	2/25/2004
RA079WET	Ed Shinpoch	Approved	4/2/2004	4/12/2004
RA080WET	Joe Whitley	Approved	4/12/2004	4/20/2004
RA081WET	Rex Anderson	Approved	4/21/2004	4/21/2004
RA082WET	Robert Lipinski	Approved	5/18/2004	5/25/2004
RA083WET	Richard Freeze	Approved	5/28/2004	6/3/2004
RA084WET	David Alexander	Approved	5/28/2004	6/3/2004
RA085WET	Alan Boissy	Approved	6/18/2004	6/21/2004
RA086WET	Eugene Leggett	Approved	1/5/2005	1/7/2005
RA087WET	Ronald D Stanley	Approved	2/23/2005	3/10/2005
RA088WET	Frank Mullally	Approved	4/11/2005	6/1/2005
RA089WET	Jeff Jaramillo	Approved	5/9/2005	5/25/2005
RA090WET	Matthew Brandt	Approved	5/17/2005	6/8/2005
RA091WET	Robert J Maras	Approved	5/18/2005	6/10/2005
RA092WET	Ed Shinpoch	Approved	5/20/2005	7/5/2005
RA093WET	Richard Freeze	Approved	6/9/2005	6/29/2005
RA094WET	David Nielson	Approved	6/27/2005	6/29/2005
RA095WET	Rex Anderson	Approved	8/18/2005	8/1/2005
RA096WET	Tijerina Luis	Approved	8/3/2005	8/9/2005
RA097WET	Steven Wright	Approved	3/20/2006	5/3/2006
RA098WET	Ed Shinpoch	Approved	4/10/2006	5/23/2006
RA099WET	Carl D Kirby	Approved	4/17/2006	5/3/2006
RA100WET	Robert Hall	Approved	5/3/2006	5/24/2006
RA101WET	David Nielson	Approved	5/24/2006	6/5/2006
RA102WET	Frank Mullally	Approved	5/30/2006	6/8/2006
RA103WET	Earnest Clark	Approved	6/6/2006	6/27/2006
RA104WET	Patrick Smith	Approved	12/18/2006	3/13/2007
RA105WET	Joe Whitley	Approved	2/8/2007	3/30/2007
RA106WET	Joseph Grayson	Approved	3/1/2007	3/30/2007
RA107WET	Frank Mullally	Approved	5/11/2007	6/11/2007
RA108WET	Bobby Morrow	Approved	4/30/2007	6/11/2007
RA109WET	Ignacio Dennis Garcia	Approved	5/31/2007	6/11/2007
RA110WET	David Nielson	Approved	5/31/2007	7/6/2007
RA111WET	Daniel Curtis	Approved	6/27/2007	7/9/2007

RA112WET	Patrick Smith	Approved	12/17/2007	5/27/2008
RA113WET	David G Maxwell	Approved	2/20/2008	5/30/2008
RA114WET	Joseph Hoffman	Approved	5/15/2008	5/29/2008
RA115WET	Frank Mullally	Approved	5/28/2008	7/8/2008
RA116WET	David Nielson	Approved	6/23/2008	7/8/2008
RA117WET	Mark Barber	Approved	7/21/2008	7/23/2008
RA118WET	Parham Turner	Approved	7/24/2008	8/5/2008
RA119WET	Jimmy Newlon	Approved	2/24/2009	5/21/2009
RA120WET	Michael Brandenberger	Approved	4/9/2009	5/29/2009
RA121WET	Frank Mullally	Approved	4/17/2009	5/28/2009
RA122WET	Stephens F Storey	Approved	4/24/2009	6/1/2009
RA123WET	Bernardo Archuleta	Approved	4/29/2009	6/1/2009
RA124WET	Kari Staggs	Approved	4/29/2009	6/1/2009
RA125WET	Patrick Smith	Approved	5/14/2009	5/28/2009
RA126WET	Chris Romero	Approved	6/29/2009	7/2/2009
RA127WET	James Phelps	Approved	7/14/2009	7/23/2009
RA128WET	Albert L Lopez	Approved	7/15/2009	7/22/2009
RA129WET	David Nielson	Approved	7/23/2009	7/31/2009
RA130DRY	Marvin Lord	Approved	2/8/2010	3/1/2010
RA130WET	David Randleman	Approved	5/11/2010	6/1/2010
RA131WET	Kari Staggs	Approved	6/7/2010	6/24/2010
RA132WET	Frank Mullally	Approved	6/14/2010	7/13/2010
RA133WET	Donnie Bell	Approved	6/14/2010	7/7/2010
RA134WET	Blane Foutz	Approved	6/28/2010	7/27/2010
RA135WET	Cliff Carl	Approved	6/29/2010	7/16/2010
RA136WET	Margaret Walker	Approved	7/12/2010	7/16/2010
RA137WET	James Phelps	Approved	7/13/2010	8/4/2010
RA138WET	John Cross	Approved	7/13/2010	8/4/2010
RA139WET	Charles Brunn	Approved	2/17/2011	3/22/2011
RA140DRY	Charles Brunn	Approved	2/17/2011	3/23/2011
RA141WET	Norbert Le Doux	Approved	4/12/2011	5/16/2011
RA142WET	Frank Mullally	Approved	4/26/2011	5/16/2011
RA143WET	Lloyd Strong	Approved	5/4/2011	5/16/2011
RA144DRY	Anthony J Beck	Approved	5/4/2011	5/16/2011
RA145WET	David Nielson	Approved	5/5/2011	5/16/2011
RA146WET	Patrick Smith	Approved	5/5/2011	5/16/2011
RA147WET	Terrell D Selby	Approved	5/27/2011	6/1/2011
RA148WET	Michael Murphy	Approved	5/31/2011	6/7/2011
RA149WET	John G Teutsch	Approved	6/13/2011	6/14/2011
RA150WET	Cornelius Koethler	Approved	6/30/2011	7/5/2011
RA152DRY	Roy Kuykendall	Approved	10/12/2011	10/17/2011
RA153WET	Rio Nutritas Project	Approved	10/14/2011	12/6/2011
SA021DRY	David E Barnhill	Approved	3/13/1998	3/30/1998
SA022DRY	Craig Muma	Approved	11/23/2004	12/2/2004
SF001DRY	Michael Bailey	Approved	1/24/2003	2/17/2003
SF002DRY	Tim Haller	Approved	2/10/2004	2/11/2004
SF003DRY	Paul Plunkett	Approved	6/12/2004	6/16/2004
SF004DRY	Philip Chambless	Approved	6/17/2005	6/27/2005

SF005DRY	Paul Plunkett	Approved	7/12/2005	8/1/2005
SF009DRY	Paul Plunkett	Approved	6/28/2006	7/19/2006
SF010DRY	Paul Plunkett	Approved	7/9/2007	7/17/2007
SF011DRY	Philip Chambless	Approved	8/8/2007	10/11/2007
SF012DRY	Paul Plunkett	Approved	6/23/2008	7/31/2008
SF013DRY	Philip Chambless	Approved	9/19/2008	12/22/2008
SF014DRY	Philip Chambless	Approved	4/12/2010	4/20/2010
SF015DRY	Tim Haller	Pending	6/30/2010	11/30/2010
SF016DRY	Riana Newman	Approved	1/31/2011	3/9/2011
SF017DRY	Todd C Brown	Approved	5/16/2011	5/19/2011
SF018DRY	Cerrillos Turquoise	Withdrawn	5/23/2011	--
SF019DRY	Santa Fe Gold	Approved	7/15/2011	11/22/2011
SF020DRY	Tim Haller	Pending	11/21/2011	--
SI028DRY	Paul Plunkett	Approved	4/21/1998	4/28/1998
SI029DRY	Amos Black III	Approved	6/7/1999	7/7/1998
SI029WET	John F Williams, Jr.	Approved	3/3/2003	5/12/2003
SI030DRY	Wayne M Rutland	Approved	11/19/2007	1/8/2008
SI031DRY	Sonny Riggs	Enforcement	10/14/2009	3/11/2010
SI032DRY	Wayne M Rutland	Approved	4/26/2010	5/14/2010
SI034DRY	William J Miller	Pending	--	--
SM050WET	Robert Staffel	Approved	7/2/2001	7/2/2001
SO001DRY	Paul Plunkett	Approved	1/26/1999	3/1/1999
SO002DRY	Ramon S De Mark	Approved	1/24/2000	2/9/2000
SO003DRY	Michael Sanders	Approved	2/7/2000	2/9/2000
SO004DRY	Tom Nelson	Approved	3/9/2000	3/10/2000
SO005DRY	Thomas Massis	Approved	5/15/2000	5/18/2000
SO006DRY	John Scully	Approved	12/3/2003	12/17/2003
SO007DRY	Jo Drake	Approved	2/27/2004	3/5/2004
SO008DRY	Jo Drake	Approved	2/17/2005	3/10/2005
SO009DRY	Michael Tune	Approved	4/8/2005	4/21/2005
SO011DRY	Jo Drake	Approved	1/25/2006	2/1/2006
SO012WET	Dean Brubaker	Approved	2/26/2007	4/11/2007
SO013DRY	Marvin Lord	Pending	12/15/2010	--
TA010DRY	Vaughn N Sowards	Approved	5/20/1997	5/22/1997
TA013DRY	S. H Glassmire	Approved	2/25/1999	3/1/1999
TA014WET	Robert Lipinski	Approved	6/29/2004	7/6/2004
TA015WET	Jeff Jaramillo	Approved	8/16/2004	8/18/2004
TA016WET	Patrick Smith	Pending	4/29/2009	5/28/2009
TA017DRY	Phil T Archuletta	Approved	2/28/2011	5/25/2011
TA018WET	Rio Hondo Project	Approved	10/14/2011	12/6/2011

Total Number of General Permits Submitted	229
Approved	220
Pending	5
Withdrawn	2
Denied	1
In Enforcement	1

Appendix 2:

New Mexico Financial Assurance as of December 2011

Table 16. Financial Assurance as of December 2011

Permit Number ¹	Permit Name	Permit Operator	Commodity	Assurance Instrument	Current Value (\$US)
BE001RE	Tijeras Mine and Mill	GCC Rio Grande, Inc.	Limestone	Surety Bond	70,000.00
				Third Party Guarantee	2,812,500.00
				Certificate of Deposit	867,500.00
CA003ME	Hiawatha And Little Jim Mine	Volcanic Stone Company	Tin	Certificate of Deposit	736.00
CA015EM	Baca Project	Red Basin, LLC	Uranium	Letter of Credit	36,689.00
CA016EM	White Mesa Project	Red Basin, LLC	Uranium	Certificate of Deposit	45,837.00
CI002RE	Mt. Taylor Mine	Rio Grande Resources Corp.	Uranium	Surety Bond	725,056.00
CI004MN	Haskani Mine	Denali Enterprises	Travertine	Certificate of Deposit	32,743.00
CI005RE	Tinaja Pit Mine	C & E Concrete, Inc.	Limestone	Letter of Credit	161,514.00
CI006MN	Ray Claims No. 4 and No. 6 Mine	International Stone Company	Travertine	Certificate of Deposit	20,405.00
CI007RE	JJ No. 1 Mine	Sohio Western Mining Company	Uranium	Surety Bond	642,298.90
CI014ER	Cebolleta Exploration Project	Neutron Energy	Uranium	Letter of Credit	41,625.00
				Letter of Credit	46,980.00
DA003MN	Alley Gypsum Mine	Alley, Gene and Stacy	Gypsum	Letter of Credit	5,000.00
GR001RE	Pinos Altos Mine	Freeport McMoRan Chino Mines Co.	Copper, Gold, Silver, Zinc	Letter of Credit	343,600.00
GR002RE	Continental Mine and Mill	Freeport McMoRan Cobre	Copper, Gold, Molybdenum, Other, Silver, Zinc	Collateral Bond	6,173,600.00
				Trust	3,000,000.00
				Third Party Guarantee	18,181,672.00
GR007RE	Little Rock Mine	Freeport McMoRan Tyrone	Copper	Surety Bond	1,424,470.00
				Surety Bond	1,520,113.00
GR008RE	Jersey Lily, Snowflake and Virtue Mines	Freeport McMoRan Tyrone	Silica / Flux	Letter of Credit	46,600.00
GR009RE	Chino Mine and Mill	Freeport McMoRan Chino Mines Co.	Copper, Gold, Molybdenum, Silver	Third Party Guarantee	121,136,201.00
				Trust	64,042,304.00
GR010RE	Tyrone Mine and Mill	Freeport McMoRan Tyrone	Copper	Third Party Guarantee	98,827,127.00
				Trust	27,000,000.00
				Letter of Credit	170,874.00
				Collateral Bond	27,951,986.00
				Surety Bond	25,000,000.00
				Surety Bond	6,780,518.00
GR012MN	KB Mine	Southwest Silica Flux Co., Inc.	Silica / Flux	Certificate of Deposit	24,182.00
GR020RE	Georgetown Mine	Sierra Corporation	Silver	Certificate of Deposit	5,200.00
GR022MN	Farmers Backbreaker Mine		Gold	Certificate of Deposit	15,000.00

GR025ME	Mathis Limestone Quarry Mine	Mathis Rocks	Aggregate, Limestone	Certificate of Deposit	3,000.00
GR028RE	Center Mine	Royal Minerals, Inc.	Gold, Silica / Flux, Silver	Certificate of Deposit	12,000.00
GR030ME	Chemical Lime Mine & Mill	Chemical Lime Company of Arizona	Limestone, Silica / Flux	Surety Bond	62,287.00
GR037EM	Codebreaker Enterprises, Inc. Santo Nino Claim	Code Breaker Enterprises Inc.	Gold	Certificate of Deposit	15,040.00
GR038EM	LT Ranch	Copper One (USA) Inc.	Copper, Gold, Lead, Silver, Zinc	Certificate of Deposit	66,367.50
GR039ER	Lone Mountain Project	Copper One (USA) Inc.	Copper, Gold, Lead, Silver, Zinc	Certificate of Deposit	44,480.00
				Certificate of Deposit	57,210.00
				Certificate of Deposit	76,440.00
HI001RE	Lordsburg Mine and Mill	St. Cloud Mining Company	Gold, Other, Silica / Flux	Certificate of Deposit	3,879.00
				Certificate of Deposit	20,355.00
				Certificate of Deposit	206,471.00
HI002RE	Brockman Mine	Hidalgo Mining LLC	Silica / Flux	Letter of Credit	276,900.00
HI004MN	KM Mine	Southwest Silica Flux Co., Inc.	Silica / Flux	Certificate of Deposit	8,124.00
HI008ME	Volcano Mine	Dane Mining & Exploration, Ltd.	Silver	Collateral Bond	28,652.00
HI015EM	McGhee Peak Exploration Project	AVEN Associates LLC	Copper, Metals, Precious Metals	Certificate of Deposit	65,860.00
LI001ME	Warner Gulch Placer Mine	American Eagle Mining Company	Gold	Letter of Credit	10,000.00
LI003ER	Bonito Gold & Silver Project	David Dunn	Gold, Silver	Cash	200.00
LI005ME	Capitan Iron Mine	El Capitan Precious Metals, Inc.	Iron	Certificate of Deposit	15,000.00
LU001RE	Deming Jigging Mill	American Minerals, Inc.	Manganese	Surety Bond	100,000.00
LU008RE	Cyprus Deming Tailings Impoundment	Chino Mines Company	Copper, Gold, Silver, Zinc	Letter of Credit	132,588.00
MK003ME	Star Lake Mine - Menefee	Menefee Mining Corporation	Humate	Surety Bond	13,000.00
MK005RE	Section 27 Mine	United Nuclear Corporation	Uranium	Surety Bond	377,000.00
MK007ME	Star Lake Mine - Mesa Verde	Bruce Reid Enterprises dba Mesa Verde Resources	Humate	Letter of Credit	24,794.00
				Certificate of Deposit	4,408.00
				Certificate of Deposit	1,577.00
				Certificate of Deposit	21,193.00
MK008ME	Pueblo Alto Mine	Bruce Reid Enterprises dba Mesa Verde Resources	Humate	Certificate of Deposit	22,000.00
				Certificate of Deposit	21,051.00
				Certificate of Deposit	2,677.00
MK009RE	Old Stope Leach Mine	Rio Algom Mining LLC	Uranium	Letter of Credit	578,000.00
MK010MN	U-Mate Mine	U-Mate International, Inc.	Humate	Certificate of Deposit	8,844.00

MK023ER	Marquez Canyon Confirmation Drilling Program	Neutron Energy	Uranium	Letter of Credit	115,030.00
MK026MN	Black Spring Mine		Humate	Certificate of Deposit	11,000.00
MK028EM	Elizabeth Claims	Neutron Energy	Uranium	Letter of Credit	70,270.00
MK034EM	Mesa Montanosa Exploration	Grants Ridge Joint Venture	Uranium	Certificate of Deposit	110,000.00
OT002MN	B.O.W. Mine	B.O.W. Corporation	Garnet	Letter of Credit	15,932.00
RA001ME	Northstar Mine	Shamrock Metals LLC	Gold	Certificate of Deposit	10,000.00
RA003ME	Cullum Claims Mine	Pueblo of Santa Clara	Pumice	Letter of Credit	161,500.00
RA005RE	Velarde Mill	Carmeuse Lime & Stone	Mica	Surety Bond	287,821.00
RA006ME	General Pumice Mine	City of Espanola	Pumice	Required	15,000.00
SA001RE	El Cajete Mine	Copar Pumice Co.	Pumice	Letter of Credit	78,747.00
				Letter of Credit	12,103.00
SA004MN	Copar South Pit Mine	Copar Pumice Co.	Pumice	Letter of Credit	33,516.00
SA005EM	Rio Puerco Exploration Project	Uranium Co. of NM	Uranium	Certificate of Deposit	45,000.00
SA005ME	Menefee Mill	Menefee Mining Corporation	Humate	Certificate of Deposit	16,000.00
SA006MN	Copper City Mine	Crystal Mining Corp.	Humate	Cash	800.00
SA009MN	Eagle Mesa Mine	Ramsco Operations, Inc.	Humate	Letter of Credit	7,270.00
SA011MN	San Luis Mine	Horizon Ag Products, L.P.	Humate	Letter of Credit	35,100.00
SA015MN	H2 Screen Facility	Horizon Ag Products, L.P.	Humate	Letter of Credit	28,170.00
SF001ME	San Pedro Mine and Mill	St. Cloud Mining Company	Copper, Garnet, Gold, Silver	Certificate of Deposit	8,288.00
SF002RE	Cunningham Hill Mine	LAC Minerals (USA) LLC	Gold	Trust	378,766.00
SI001ME	St. Cloud U.S. Treasury Mine	St. Cloud Mining Company	Copper, Gold, Silica / Flux, Silver	Certificate of Deposit	1,857.00
SI005MN	Burbank Canyon Mine	Cornerstone Investment Circle, LLC	Precious Metals	Certificate of Deposit	30,000.00
SI006RE	Zeolite Mine and Mill	St. Cloud Mining Company	Zeolites	Collateral Bond	157,719.00
SI022EM	Copper Flat Exploration	New Mexico Copper Corp.	Copper	Certificate of Deposit	39,540.00
SO001RE	Socorro Mine and Mill	Dicaperl Minerals Corp. - Socorro	Perlite	Letter of Credit	106,237.00
				Letter of Credit	688,166.00
SO002MN	Sais Quarry Mine	New Mexico Travertine	Aggregate, Other	Certificate of Deposit	2,661.89
SO014ER	Sullivan Ranch Exploration Part 4 Project	BE Resources Inc.	Beryllium	Certificate of Deposit	36,724.26
SO018EM	Ginger M Project	Red Basin, LLC	Rare Earth	Certificate of Deposit	19,275.00

TA001RE	Questa Mine and Mill	Chevron Mining, Inc. - Questa Division	Molybdenum	Letter of Credit	1,355,634.00
				Third Party Guarantee	117,752,599.00
				Letter of Credit	16,223,474.00
				Letter of Credit	23,027,393.00
TA002RE	El Grande Mine and Mill	Dicaperl Minerals Corp. - Taos	Perlite	Letter of Credit	711,497.00
TA003RE	U. S. Hill Mine	Pueblo of Picuris	Mica	Letter of Credit	201,354.00
TA005RE	No Agua Mine and Mill	Harborlite Corp.	Perlite	Surety Bond	1,029,790.00
VA001ME	Lucero Quarry Mine	New Mexico Travertine	Aggregate, Dimension & Flagstone, Travertine	Certificate of Deposit	24,515.00

Total Financial Assurance as of December 2011:

\$572,280.477.55