

**PERMIT REVISION 05-1 TO PERMIT TA001RE**

**QUESTA MINE – MINE AND MILL SITE  
EXISTING MINING OPERATION**

**MINING AND MINERALS DIVISION  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**

Permit Revision 05-1, to Permit TA001RE, is issued by the Director of the Mining and Minerals Division (MMD) of the New Mexico Energy, Minerals and Natural Resources Department to:

Molycorp, Inc.  
P.O. Box 469  
Questa, NM 87556

(Permittee) for the Questa Mine Site, located in Taos County, New Mexico.

This Permit Revision incorporates the Closeout Plan for the subsidence areas of the Questa Mine into Permit TA001RE. The provisions, terms, and definitions (hereafter conditions), in this Permit Revision apply to the Subsidence Area Closeout Plan and Subsidence Area Unit, do not apply to other portions of the Questa Mine, unless they are of general applicability, and are not precedent to establish closeout plan conditions for other portions of the Questa Mine, which shall be evaluated separately. The following sections of Permit TA001RE are added to establish the Subsidence Area Closeout Plan, as follows:

**SECTION 1. STATUTES AND REGULATIONS**

This Permit is issued pursuant to the New Mexico Mining Act, NMSA 1978, §69-36-1, et seq. This Permit is subject to all applicable requirements of the New Mexico Mining Act (Act); the New Mexico Mining Act Rules 19.10 New Mexico Administrative Code, Parts 1-14 (Rules), and any other regulations, which are now, or hereafter, in force under the Act; and all such requirements and regulations are made a part of this Permit by this reference.

**SECTION 2.1 CLOSEOUT PLAN FOR SUBSIDENCE AREA PERMIT REVISION PACKAGE**

A. The Permit Revision Package (PRP) is comprised of the following documents:

See Appendix A

**SECTION 3.**            **DESIGN LIMITS**

C. Permit TA001RE (96-2), Section 3.B design limits, is amended for the approved subsidence area design limits that are delineated/described in the PRP on Drawing 1, in Appendix A.5, and individually in Table 1 of this permit revision. The revised units shown on Drawing 1, and individually in Table 1, are approved as existing units and are subject to the reclamation standard of §19.10.5.507.A of the Rules, absent a waiver under §19.10.5.507.B of the Rules. Any future disturbance from surface subsidence caused by underground mining, or underground workings, that are not contained within the design limits, will be considered new units. "Disturbance from surface subsidence" is defined in Section 4.

**Table 1            Subsidence Area Design Limit Areas**

<b>Subsidence Area</b>	<b>Design Limit Area</b>
Surface subsidence from underground mining design limits <i>(Note: underground workings design limit included within surface subsidence area)</i>	1066 acres
Underground workings design limit	295 acres

**SECTION 4**            **DEFINITIONS**

Whenever any terms defined in the Rules are used in this Permit, including any documents incorporated herein by reference, those definitions shall apply. In addition, whenever the terms listed below are used in this Permit, including any documents incorporated herein by reference, the following definitions shall apply to the Subsidence Area Closeout Plan, unless those terms are of general applicability:

“Subsidence Area(s) Closeout Plan” means the portion of the Permit Revision to Permit TA001RE that provides a detailed description of how subsidence areas within the Permit area will be reclaimed to meet the requirements of the Act and the Rules. “Subsidence Area Closeout Plan” also means those documents listed in Appendix A.

"Cessation of Operations" means, for the purpose of the Subsidence Area Closeout Plan, any cessation of operations within the Subsidence Area Design Limit not part of normal mining

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operations, and includes, without limitation, shut down of all facility operations therein. “Cessation of Operations” does not include temporary cessation of mining operations approved for standby status under §19.10.7 of the Rules.

“DP-1055” means the Discharge Permit at the Questa Mine Facility issued by the New Mexico Environment Department.

“Disturbance from surface subsidence” means the plan view projection of surface disturbance, caused by subsidence from underground mining, which is greater than 24 inches of total displacement. This definition is used to identify subsidence on the ground for mapping and verification purposes, to determine the subsidence boundary relative to the design limit.

“Effective Date” means the date of the Director of MMD’s Order approving this Permit Revision.

“Escarpment” means a steep slope or long cliff, which generally does not hold soil, and separates two relatively level areas of differing elevations.

“Extent of underground mining” means the plan view projection of the underground workings.

“Mine Rockpile” means a rockpile at the mine site formed by material from the Open Pit and underground operation, exclusive of ore-grade stored on-site, or material sent to the mill.

“MMD” means the Mining and Minerals Division within the New Mexico Energy, Minerals and Natural Resources Department.

“Molycorp” means Molycorp, Inc.

“Molycorp Questa Mine” means the molybdenum mine and milling facility owned and operated by Molycorp, located near the Village of Questa, in Taos County, New Mexico.

“NMED” means the New Mexico Environment Department.

“NMGF” means the New Mexico Game and Fish Department.

“NMMA” means the New Mexico Mining Act, NMSA 1978, §69-36-1, *et seq.*

“Open Pit” means the Questa Mine Pit from which the ore bearing and non-ore bearing rocks have been, or will be, removed by surface mining.

“Order” means the Director of MMD’s Order approving the Permit.

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“Permit” means TA001RE, issued to Molycorp, by MMD, dated December 31, 1998; Permit Revision 96-1, incorporating the Closeout Plan for the Questa Tailings Facility into the Permit, issued to Molycorp on February 5, 2001; Permit Revision 96-2, incorporating the Closeout Plan for the Questa Mine and Mill Site into the Permit, issued to Molycorp on June 3, 2002; and all modifications to the Permit.

“Permittee” means Molycorp, Inc.

“Permit Revision (05-1)” means this Permit Revision, which sets forth and approves a closeout plan for subsidence areas on the Molycorp mine and mill facility.

“Primary Subsidence Zone” means the area of subsidence, located above underground workings, that has subsidence of greater than 10 feet from the pre-mining ground surface. This definition is used in relation to reclamation requirements.

“Rules ” means Title 19, Chapter 10, Parts 1 through 14 NMAC, and any amendments thereto.

“Zone of Relaxation” means the area of subsidence, located above underground workings, that has subsidence ranging from 1 to 10 feet from the pre-mining ground surface. This definition is used in relation to reclamation requirements.

“Zone of Deformation” means the area of subsidence, located above underground workings, that has subsidence of less than 1 foot from the pre-mining ground surface. This definition is used in relation to reclamation requirements.

**SECTION 5.1**            **SUBSIDENCE AREA CLOSEOUT PLAN FINDINGS OF FACT**

- A.     The Permit Application and Subsidence Area Closeout Plan are complete and contain all of the information, as required by §19.10.5.503.F(1) and §19.10.5.506.J(1) of the Rules.
- B.     Molycorp has provided written information stating the name and official business address of the Permittee and its agent for service of process, as required by §19.10.5.503.F(2) of the Rules.
- C.     Molycorp has provided the required signature and certification, as required by §19.10.5.503.F(3) of the Rules.
- D.     Molycorp has paid the revision application fee in the amount of \$6,000, as required by §19.10.5.503.F.4 of the Rules.

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- E. Public notice for the Subsidence Area Closeout Plan was given, as required by Part 9 and §19.10.5.506.J(1) of the Rules. A public hearing was held on the Subsidence Area Closeout Plan on December 12, 2005.
- F. The approved post-mining land uses (PMLU) for the subsidence area is forestry. The PMLU is described in Section 3.1, Land Use, of the June 2001 *Questa Mine Closeout Plan*.
- G. The Permittee has provided satisfactory financial assurance as required by §19.10.5.506.J(2). Financial assurance is composed of \$1,355,634.00, in the form of a letter of credit.
- H. The Secretary of Environment provided a written determination on January 3, 2006, stating that the permit applicant has demonstrated that the activities to be permitted or authorized will be expected to achieve compliance with all applicable air, water quality and other environmental standards if carried out as described in the Subsidence Area Closeout Plan, as required by §19.10.5.506.J(5) of the Rules.
- I. The Permittee has submitted a notarized statement signed by a responsible Molycorp Official that it agrees to comply with the performance and reclamation standards and requirements of the permit, Part 5, and the Act, and allows the Director or his authorized representative to enter the subsidence area without delay, following proper entrance procedures for the subsidence area, for the purpose of conducting inspections during mining and reclamation, as required by §19.10.5.503.F(6) and §19.10.5.506.J(6) of the Rules.
- J. According to §19.10.5.506.B, a proposed closeout plan or a proposed closeout plan for a portion of the mine shall include a detailed description of how the permit area will be reclaimed to meet the requirements of Section 69-36-11B(3) of the Act, and the performance and reclamation standards and requirements of Part 5. The Subsidence Area Closeout Plan, as described in Appendix A is hereby approved subject to the conditions in Sections 8.1 and 9.1 of this Permit Revision.
- K. The variance, approved May 24, 2002, regarding the subsidence area, is satisfied and superseded by the approval of this revision.

**SECTION 6.1**                      **SUBSIDENCE AREA CLOSEOUT PLAN SUMMARY**

The following consists of a summary of the proposed Subsidence Area Closeout Plan submitted by Molycorp. To the extent this summary deviates from the more detailed documents of Appendix A and the Subsidence Area Closeout plan, Appendix A and the Subsidence Area Closeout Plan shall govern.

**Post-Mine Land Use**

- A. The post-mine land use (PMLU) for the subsidence area is forestry. Development of a self-sustaining forest ecosystem comparable to the surrounding region is the goal of the Subsidence Area Closeout Plan at the mine site.

**General Subsidence Area Reclamation Plan**

- B. Reclamation of the Subsidence Areas, except rockpiles and the pit area, which have reclamation requirements defined in permit TA001RE (96-2), will be accomplished as described in the Subsidence Area Closeout Plan and in Section 9.1.

**Surface Shaping Plan**

- C. The area affected by subsidence, except rock piles and the pit area, which are subject to reclamation requirements of TA001RE (96-2), does not have a regrading plan, and is anticipated to remain at the natural slope angles that will form following the completion of the subsidence process and a period of stabilization.

**Mine Dewatering and Leachate Collection System**

- D. Molycorp shall continue the operation and maintenance of the mine dewatering and leachate collection systems in accordance with applicable environmental requirements, including requirements of DP1055.

**Water Treatment and Disposal**

- E. Molycorp shall maintain the water management plan in accordance with applicable environmental permits including, NPDES Permit No. NM0022306, NPDES general storm water permit, and DP1055.

**Groundwater and Surface Water Monitoring**

- F. Groundwater and surface water monitoring programs will be continued after closeout in accordance with applicable environmental requirements, including DP-1055. The monitoring programs will be adjusted as necessary to conform to water quality monitoring required by NMED.

### **Drainage Plan**

- G. Surface runoff from the subsidence areas will be controlled and collected in erosion control ditches and channels in accordance with applicable environmental requirements, including, NPDES Permit No. NM0022306, NPDES general storm water permit, DP1055 and TA001RE.

### **Revegetation of Disturbed Areas**

- H. Molycorp shall revegetate the subsidence areas with native species, appropriate to the life zone, to establish a forestry PMLU and a self-sustaining ecosystem.
- I. Molycorp has proposed natural regeneration as the method for Revegetation of the subsidence area. Seeding as specified in Section 9.1.U, combined with natural regeneration, is the approved method for revegetation of the primary subsidence zone and the zone of relaxation. Natural regeneration alone is an approved method for revegetation of the zone of deformation.

### **Revegetation Monitoring**

- J. Molycorp shall perform vegetation monitoring of the primary subsidence zone and the zone of relaxation annually. Revegetation monitoring shall include measurements of plant diversity, density, cover, and shrub and tree survival and shrub and tree growth. Monitoring will begin 5 years following the completion of mining in each of the ore zones, Goathill, D and F2. Monitoring will continue until the release of financial assurance for those areas. The monitoring data will be included in the annual report, due April 30 of each year. The first monitoring report shall be due on April 30, 2006. Molycorp may discontinue monitoring or delay the beginning of monitoring, with MMD approval, if the area cannot be safely accessed to perform the monitoring.

### **Vegetation Standards**

- K. The vegetation standards identified in TA001RE (96-2) Section 6.Q are applicable to the subsidence areas. These standards are:  
A woody plant density equal to or greater than 320 stems per acre comprising 2 species of conifer at a density of 220 stems per acre, and a mixture of 4 species of deciduous trees, shrubs and sub-shrubs of a combined density of 100 stems per acre.  
Total herbaceous and woody canopy cover = 30 percent (total canopy cover = herbaceous species foliar cover plus woody species crown cover)

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L. Additional requirements are defined in Section 9.1.Z.

**Fencing**

M. Upon completion of underground mining, Molycorp will fence the entire perimeter of the subsidence area design limit, unless otherwise approved by MMD, and restrict access to the area. Sixty days prior to construction of fencing, Molycorp, in consultation with NMGF, will submit a fence design for MMD approval.

**SECTION 7. PERMIT COVERAGE**

This Permit shall be binding on any person or persons conducting mining and closeout/reclamation operations under this permit.

**SECTION 8.1 COMPLIANCE WITH THE PERMIT**

The Permittee shall conduct reclamation operations for the Subsidence Area Closeout Plan only as described and approved in this Permit Revision, and any subsequent revisions or modifications approved by the Director. The Permittee shall comply with any and all conditions that are incorporated into the Permit Revision.

This Permit Revision incorporates the subsidence areas into Permit TA001RE. As otherwise explicitly stated in this revision, the requirements of the Permit and its revisions apply to the subsidence areas.

**SECTION 9.1 SUBSIDENCE AREA CLOSEOUT PLAN CONDITIONS**

**General**

The Subsidence Area Closeout Plan proposed by the Permittee, and information contained in Appendix A, are subject to the conditions set forth below, which are required for the Permittee to meet the requirements of Part 5 of the Rules:

A. The Permittee shall include in the annual reports, required by §19.10.5.510 of the Rules, all information required by Permit TA001RE and the following additional information: 1) results from the required vegetation monitoring in the subsidence areas; 2) mapping, showing the extent of underground mining, extent of surface subsidence, and the surface subsidence design limits and underground mining design limits; 3) required mapping of



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upper Goathill, on a yearly basis, showing the extent of surface subsidence, and the extent of any existing and new features that indicates instability from the effects of subsidence; 4) the current market value of any collateral posted as financial assurance in accordance with Part 12 of the Rules; and 5) incidental observations of wildlife impact or use of subsidence areas.

- B. The Permittee shall notify MMD 30 days prior to performing any closeout/reclamation activities in the subsidence areas.
- C. Molycorp shall submit a map, 90 days following permit approval, showing the sequence and the timing of the mining and subsidence, and the timeframes anticipated for reaching the revegetation standards within each of the subsidence areas.

**Post-Mine Land Use**

- D. The post-mine land use (PMLU) for the subsidence area is forestry. Development of a self-sustaining forest ecosystem comparable to the surrounding region is the goal of the Subsidence Area Closeout Plan at the mine site. Following mining and subsidence, Molycorp shall not harvest trees from the subsidence area without the approval of MMD and NMED.

**Financial Assurance**

- E. In accordance with Section 9.F of TA001RE (96-2), the Permittee and MMD shall evaluate the financial assurance approved as a part of this permit revision at intervals not to exceed every three years. When due, this evaluation shall be provided to MMD with the annual report. The amount of financial assurance required, and the terms of its acceptance, shall be adjusted by the director, from time to time, as the area requiring financial assurance is increased or decreased, or when the future reclamation or closeout costs change.
- F. The Permittee shall not be released from final financial assurance requirements until the approved post-mine land use is achieved and the performance standards have been met in accordance with Section 6.1.K and 9.1.Z of this Permit, or as modified and approved by MMD. However, a part of the financial assurance may be released in accordance with §19.10.12.1210 of the Rules. The last 3 years of the 12-year post-closure revegetation monitoring period, shall be used to evaluate whether financial assurance shall be released pursuant to §19.10.12.1204 of the Rules.
- G. Pursuant to §19.10.12.1210 and §19.10.5.507.A of the Rules, the Permittee must show

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that the reclamation or Subsidence Area Closeout Plan, or a phase of the reclamation of the Subsidence Area Closeout Plan covered by the financial assurance, has been accomplished in accordance with the requirement to ensure that the permit area will be reclaimed to a condition that allows for the re-establishment of a self-sustaining ecosystem, prior to complete or partial release of financial assurance.

- H. The Permittee shall include, in the financial assurance amount, the cost for the plan preparation, engineering design, and reconstruction work for the Slickline Gulch Drainage.
- I. The Permittee shall include, in the financial assurance amount, the cost for the vegetation monitoring program.
- J. The Permittee shall include, in the financial assurance amount, the cost for implementation of the reclamation plan.
- K. The Permittee shall include, in the financial assurance amount, the cost for the engineering evaluation of the geotechnical stability, required in Section 9.1.S.
- L. The Permittee shall include, in the financial assurance amount, the cost for one evaluation of the subsidence modeling predictions as described in Condition 9.1.R of this permit.
- M. In the event of forfeiture, expenditure of funds on specific reclamation activities shall be at the discretion of the agencies responsible for reclamation requirements.

**Surface Shaping and Stormwater Management**

- N. Stabilization of the permit area that will minimize future impact to the environment and protect air and water resources is required, in accordance with §19.10.1.7.R(1) of the Rules.
- O. Since Sugar Shack West Rockpile (SSW) is being impacted by subsidence from the underground mining operation, Molycorp must provide to MMD and NMED, within 120 days after approval of this revision, a plan for MMD and NMED approval, identifying the information necessary for the preparation of a revised reclamation plan for the SSW Rockpile. The plan must contain the data required, analysis to be performed, and a schedule for collecting the required data. The revised reclamation plan for Sugar Shack West Rockpile will be described in detail and incorporated into TA001RE as part of the permit revision required by Section 6.V of Permit TA001RE (96-2).

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- P. Five (5) years following the completion of mining of the D ore body, Molycorp shall submit a plan to MMD, for approval, for the reconstruction of the Slickline Gulch Drainage. Following plan approval, Molycorp will then implement the reconstruction of Slickline Gulch according to the approved plan.
- Q. At the end of mining, Molycorp shall evaluate areas of escarpments and provide to MMD information on the percentage of land area that has developed into escarpments as a result of subsidence. If the area is greater than 10% of the subsidence area, Molycorp shall reevaluate the approved reclamation practices and submit an alternative reclamation plan for MMD approval.
- R. Molycorp shall evaluate the subsidence modeling predictions described in the report, *Predictive Subsidence Modeling and Field Verification Questa Mine, December, 2004* by Agapito Associated, Inc., and submit the evaluation to MMD every five years. The first report update shall be submitted with the annual report due on April 30, 2011.
- S. Upon the completion of mining, Molycorp shall perform an engineering evaluation of the geotechnical stability of the slopes in the subsidence area, following mining and subsidence. A plan for the evaluation shall be submitted to MMD, for approval, 120 days after mining is completed. The plan shall include a schedule for implementing and completing the study, an assessment of required data that will be collected, methods used to obtain the data, and criteria used to evaluate stability and identification of slopes that will be analyzed.
- T. Molycorp shall visually inspect Goathill on a yearly basis and prepare a map, submitted with the annual report, showing the extent of surface subsidence on Goathill, and any existing and new features that indicate instability from the effects of subsidence caused by underground mining. The map shall be submitted with the annual report beginning in April of 2007.

**Revegetation**

- U. Seven (7) years following the completion of mining in the subsidence areas, the Permittee will implement the approved reclamation plan that consists of seeding species appropriate to the life zone. Subsidence areas, including the zone of relaxation, the primary subsidence zone and any areas within the two zones where subsidence effects cause surface disturbance, will be seeded. Seeding will occur via aerial seeding or other means approved by MMD. Seeding rates will be between 40 and 60 pounds/acre. The seed mixture is listed in Table 2, found in Appendix A.2. The Subsidence Area Closeout Plan

will be implemented according to the schedule found in Table 4.

- V. An alternative reclamation plan may be proposed by Molycorp, as a request for permit modification or revision, if after the 7th year following the completion of mining, monitoring results demonstrate that 75% of the vegetative standards described in Section 6.1.K and 9.1.Z are met.
- W. Revegetated areas will be qualitatively evaluated on an annual basis to determine the extent of colonization by noxious weeds, as listed on the New Mexico Noxious Weeds List, published by the New Mexico Department of Agriculture. Detailed plans for the control of noxious weeds will be developed, as required by MMD.

#### **Revegetation Monitoring**

- X. Molycorp shall notify MMD at least 15 days prior to vegetation monitoring, and allow MMD personnel to accompany personnel performing the monitoring, and verify monitoring methods.
- Y. Molycorp shall submit a vegetation monitoring plan, which is a systematic, statistically based monitoring program to confirm progress that the “site is reclaimed to a condition that allows for re-establishment of a self-sustaining ecosystem appropriate for the life zone of the surrounding areas, to MMD, for approval, within 90 days following permit approval. Molycorp will implement the monitoring plan as approved by MMD.

#### **Vegetation Standards**

- Z. The plant diversity standards utilized for the Questa Mine Subsidence Area, except rock piles and the pit area, which are subject to reclamation requirements of TA001RE (96-2), will apply to all areas within the subsidence areas except escarpments, and are listed on Table 3.

**Table 3 Vegetation Standards**

Life Form	Number of species**	Minimum relative cover (%) ***	Maximum relative cover**	% of Total Cover (minimum)
Grasses	3	10	70	1
Forbs	3	10	70	0.5
Shrubs/Deciduous trees*	4	5	70	2
Conifers	2	5	70	10

\* At least one will be nitrogen fixing

\*\* Only perennial species will be counted

\*\*\**Relative cover* means cover of given species relative to cover by life form.

**Reclamation Schedule**

AA. Reclamation of the Subsidence Area shall be as described in the schedule set forth in Table 4.

**Table 4 Reclamation Schedule for Subsidence Areas**

	Anticipated Year to Commence Monitoring	Anticipated Year of Subsidence Closeout Implementation	Anticipated Duration of Reclamation
Subsidence Area Unit	+5 years from end of mining	+7 years from the end of mining or 180 days following cessation of operations, whichever occurs first	1 year

<sup>1</sup> For areas where the open pit and subsidence area design limits overlap, the Questa Pit Closeout Plan shall be followed and will be revised in the Questa Mine Revision.

**Subsidence Area Closeout Plan Revision**

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- BB. If future information or results from studies indicate that alternative closeout actions are necessary to allow for the establishment of a self-sustaining ecosystem, or to meet the requirements of reclamation defined under section 19.10.1.7.R(1) NMAC, MMD may require that the Permittee modify or revise the Permit.

**Temporary Cessation**

- CC. If, due to a temporary cessation of mining operation exceeding 180 days, and the Permittee wishes to suspend reclamation pursuant to the schedule provided in Table 4 above, the Permittee shall submit an application for a Permit Revision for Standby Status pursuant to §19.10.5.505 and §10.10.7 NMAC

**SECTION 10**

**CONCLUSIONS OF LAW**

- A. The Director has jurisdiction over the Permittee and the subject matter of this proceeding.
- B. The PRP is complete, accurate, and complies with the requirements for closeout plans in the Act and §19.10.5.505, §19.10.5.506, and §19.10.5.507.A of the Rules. The Permittee, Molycorp Inc., is permitted pursuant to the New Mexico Mining Act to conduct mining and reclamation operations at the Questa Mine, Taos County, New Mexico, upon the condition that the Permittee complies with the requirements of the Order, the Act, the Rules, Permit Conditions, and requirements imposed by this Decision.

**CERTIFICATION**

**I certify that I have personally examined and am familiar with the information submitted herein, and based on my inquiry of those individuals responsible for obtaining the information, I believe the submitted information is true, accurate, and complete.**

**I certify that I have read, understand and will comply with the requirements of this Permit Revision. I also agree to comply with the performance and reclamation standards and requirements of the permit, the Rules, and the Act, and allow the Director to enter the permit area without delay for the purpose of conducting inspections.**

William L. Swares  
Authorized Representative of the Permittee

Vice President  
Title

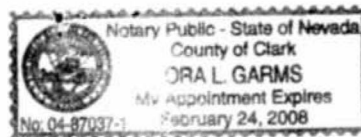
Molycorp, Inc.  
Company

Subscribed and sworn to before me this 29 day of March, 2006.

Ora L. Garms  
Notary Public

My Commission Expires

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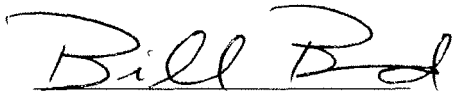


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**ORDER**

NOW THEREFORE, IT IS HEREBY ORDERED that Permit Revision 05-1 of the Questa Mine Permit, incorporating the Subsidence Area Closeout Plan, and allowing Molycorp Inc. to conduct closeout and reclamation operations in Taos County, New Mexico, is approved.

By Order of the Director, Mining and Minerals Division, Energy, Minerals and Natural Resources Department, of the State of New Mexico.



Bill Brancard, Director  
Mining and Minerals Division  
Energy, Minerals and Natural Resources Department

DATED: April 4, 2006



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**Appendix A**

1. 12/01/04 Closure/Subsidence Area Closeout Plan For Subsidence Areas, URS, Project No. 22237218, including all appendices.
2. Seed mixture for Subsidence Areas, Table 2
3. 1/06/06 Molycorp submittal of the financial assurance evaluation
4. 12/01/05 MMD letter re: Technically Approvable Determination, Permit Revision 05-1, Permit TA001RE
5. 01/03/06 NMED letter re: Environmental Determination for the Subsidence Areas Questa Mine Closeout Plan (Revision 05-01 Permit TA001RE)
6. Drawing 1, Design Limits for Subsidence Areas and Underground Mining

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Appendix A.2

**Table 2. Seed Mixture for Subsidence Areas**

Common name	Scientific name	Lbs PLS/ac.
White yarrow	<i>Achillea millefolium</i>	3.0
Tufted hairgrass	<i>Deschampsia caespitosa</i>	2.0
Arizona fescue	<i>Festuca arizonica</i>	2.0
Hard fescue	<i>Festuca longifolia</i>	3.0
Canada wildrye	<i>Elymus canadensis</i>	2.0
Sheep fescue	<i>Festuca ovina</i>	2.0
Lewis blue flax	<i>Linum lewisii</i>	2.0
Mountain lupine	<i>Lupinus argeneus ssp. rubricaulis</i>	1.0
Canada bluegrass	<i>Poa compressa</i>	2.0
Bluebunch wheatgrass	<i>Pseudoroegneria spicata ssp. spicata</i>	5.0
Slender wheatgrass	<i>Elymus trachycaulus ssp. trachycaulus</i>	3.0
Western wheatgrass	<i>Pascopyrum smithii</i>	2.0
Firecracker penstemon	<i>Penstemon eatonii</i>	1.0
Rocky Mountain penstemon	<i>Penstemon strictus</i>	1.0
Prairie aster	<i>Aster tanacetifolius</i>	0.5
Yellow prairie coneflower	<i>Ratibida columnifera</i>	1.0
American vetch	<i>Vicia americana</i>	3.0
Prairie thermopsis	<i>Thermopsis rhombifolia</i>	0.5
Rubber rabbitbrush	<i>Chrysothamnus nauseosus</i>	1.0
Gooseberry currant	<i>Ribes montigenum</i>	3.0
Total		40.0