

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

ORDER NO. R7-2005-0092

**WASTE DISCHARGE REQUIREMENTS
FOR
CLOSURE AND POST-CLOSURE MAINTENANCE
U. S. DEPARTMENT OF INTERIOR, BUREAU OF LAND MANAGEMENT, LAND OWNER
CASTLE MOUNTAIN VENTURE, OWNER
VICEROY GOLD CORPORATION, OPERATOR
CASTLE MOUNTAIN PROJECT
Ivanpah, San Bernardino County**

The California Regional Water Quality Control Board, Colorado River Basin Region finds that:

1. Viceroy Gold Corporation, P.O. Box 68, Searchlight, Nevada 89046 (hereinafter referred to as the discharger) has operated the Castle Mountain Mine (hereinafter referred to as the Site) located at 115575 Hart Mine Road, Ivanpah, San Bernardino County. A portion of the property is owned by the United States Bureau of Land Management, 101 West Spike Road, Needles, CA 92363-0888, and the Venture has private ground within the property that is owned or leased.
2. This Board Order revises the Waste Discharge Requirements (WDRs) to reflect closure of the facility and to comply with current laws and regulations as set forth in the California Water Code and the California Code of Regulations. This discharge has been subject previously to waste discharge requirements adopted in Board Order No. 91-002 and Board Order No. 99-015.
3. Beginning in 1991, the discharger operated an open-pit mine with a heap leach facility on site. Gold recovery was accomplished by using a weak cyanide solution to dissolve the gold from the ore. The crushing facility was capable of processing up to 10,500 tons of mineral bearing ore per day. Approximately 700 acres of land area were disturbed for the purpose of mineral recovery at the site, with approximately 400 acres remaining for reclamation.
4. When in operation, the discharger applied a solution of sodium cyanide, onto piles (heaps) of gold-bearing ore to dissolve gold from ore. Gold-impregnated solution was transported from the ore piles in lined ditches, primary containment and pipes as secondary containment to solution containment basins or tanks. The pregnant solution was piped through carbon column units where gold was recovered. Sodium cyanide was added to reconstitute the resulting barren solution that was then re-circulated to the ore piles.
5. The leach pad was constructed with a liner system. The heap leach ore piles are underlain by a composite liner system that consists of a synthetic liner, high density polyethylene (HDPE), underlain by a reinforced geosynthetic clay liner (GCL) or equivalent material. The synthetic liner has maximum permeability of 1×10^{-10} centimeters per second (cm/sec) and a minimum thickness of 60 mils (0.060 inch).
6. Each cyanide solution containment basin and each trunk cyanide solution transport ditch was underlain by a double synthetic liner system with a leachate collection and removal system installed between the two liners. Each synthetic liner had a minimum thickness of 60 mils and a maximum permeability of 1×10^{-10} cm/sec.
7. The discharger submitted a Closure Plan to the Regional Board dated April 2003. The closure plan was approved in a staff letter dated September 10, 2003.
8. The discharger reports that after the primary leaching the heap leach pads were re-leached section by section between 2001 and 2004. Gold production was completed in November 2004.

9. The discharger reports that re-leaching was followed by detoxification. Detoxification was initiated a section at a time by adding nutrients to the spent ore on the heaps to treat any residual cyanide and immobilize metals. After nutrients were added to the heap, a minimum of 90 days was allowed for drain-down of excess fluid.
10. The discharger reports that drilling of the heap was done in 3 phases. Phase I was conducted in December 2003, Phase II in September 2004, and the final Phase III was completed in December 2004. The drilling program consisted of 88, as defined in the Closure Plan submitted by the discharger, borings set up on a grid basis, with samples recovered in pre-selected intervals. Each boring was drilled to within 10 feet of the HDPE leach pad liner.
11. The discharger reports that the sampling results show that except for one sample at 0.11 mg/L, all samples from all boreholes had concentration of ionic cyanide (extractable free cyanide) below detection limits of 0.10 mg/L. Analytical procedure for ionic cyanide is found in Attachment A.
12. The discharger reports that the samples were also tested for Title 22 Extractable Metals by Synthetic Precipitation Leaching Procedure (SPLP) and California Wet Extraction Test (CA-WET). Analysis showed that all samples were well below soluble threshold limit concentrations (STLC) as described in Title 22 of the California Code of Regulations.
13. After rinsing, detoxification, drilling and sampling in accordance with the previously noted closure plan, the discharger requested reclassification of the ore pile on the leach pad from a Group B mining waste to a Group C. A staff letter, dated March 15, 2005, concurred that the ore pile meets the criteria of a Group C mining waste as described in Title 27 of the California Code of Regulations.
14. A Report of Waste Discharge (ROWD) was submitted by the discharger on April 1, 2005, and was deemed complete by Regional Board staff on April 19, 2005.
15. The site (Property) is located within all or a portion of the following sections of the San Bernardino Baseline and Meridian:

T14N, R17E

Section 13: south 1/2

Section 14: east 1/2 of southeast 1/4

Section 22: southeast 1/4; south 1/2 of northeast 1/4

Section 23: south 1/2; south 1/2 of north 1/2; northeast 1/4 of northeast 1/4

Section 24: all

Section 25: all

Section 26: all

Section 27: east 1/2

T14N, R18E

Section 18: west 3/4 of southwest 1/4

Section 19: west 3/4 of west 1/2

Section 30: west 3/4 of west 1/2

Mining Claims Owned by Viceroy Gold Corporation

<u>Claim Name</u>	<u>Patent No.</u>	<u>Assessor's Parcel No.</u>
<u>Group 1:</u>		
Milma	1113695	569-291-04

Group 2:

Pacific Clay Deposit 1	1101406	569-291-13
Pacific Clay Deposit 2	1101406	569-291-08
Pacific Clay Deposit 3	1101406	569-291-09

Group 3:

Ore Belle	424670	569-291-05
Ore Belle Fraction	424670	569-291-05
Ore Belle No. 1	649101	569-291-05

16. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted on November 17, 1993, and designates the beneficial uses of groundwater and surface waters in this region.
17. The site is located in the Lanfair Hydrologic Area of the Homer Hydrologic Unit. The beneficial uses of groundwater in the Lanfair Hydrologic Area are:
 - a. Municipal supply (MUN)
 - b. Industrial Service Supply (IND)
 - c. Agricultural Supply (AGR)
18. There are no domestic wells within the boundaries of the Castle Mountain Project described herein. A well field (West Well Field) located northwest of the site produces the water necessary for site operations. Additional water obtained from mine pit dewatering was used for dust suppression and as part of the process water make-up.
19. Groundwater is present within unconsolidated sediments inter-bedded with volcanic rocks at approximately 350 to 600 feet below the ground surface. The discharger is permitted by the U.S. Bureau of Reclamation to use up to 625 acre-feet of water per year, but has averaged approximately 400 acre-feet per year. Water table elevation has declined approximately 100 feet in the West Well Field since dewatering operations began in 1992. With the reduction of water usage by the mine recharge of the West Well Field will occur.
20. An Environmental Impact Report (State Clearinghouse Number 88062708) was initially prepared for the site pursuant to the provisions of the California Environmental Quality Act (CEQA) and the National Environmental Protection Act (NEPA). The County of San Bernardino certified this Environmental Impact Report as complete and adopted a Notice of Determination on September 27, 1990. The Bureau of Land Management issued a Record of Decision and certified Environmental Impact Statement Number 890053 on October 31, 1990, for the site.
21. In 1997, the discharger proposed expanding active mining operations beyond the originally permitted 890 acres with an additional 485 acres, which required preparation and regulatory approval of a new Environmental Impact Statement/Report. Details of the mine expansion were included in the Draft and Final versions of the Castle Mountain Mine Expansion Project Environmental Impact Statement/Environmental Impact Report (EIS/EIR; State Clearinghouse No. 95081031) dated March and October 1997, respectively.
22. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these WDRs, which govern the operation of an existing facility involving no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et. seq.).
23. The Discharger reports that a \$400,000.00 Bond is in place to cover the closure and post-closure monitoring and maintenance period.

IT IS HEREBY ORDERED that Board Order No. 99-015 is rescinded, and in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the discharger shall comply with the following:

A. Specifications

1. The treatment and/or disposal of wastes at the site shall not cause pollution or nuisance as defined in Sections 13050(l) and 13050(m) of Division 7 of the California Water Code.
2. Mining waste material is confined to the Mining Waste Management Facility (MWMF), as shown in the attached map.
3. All cyanide solutions, cyanide wastes, and other chemical wastes shall be treated or removed from the site and appropriately disposed.
4. The discharger shall not cause degradation of any water supply.
5. Surface drainage from tributary areas, shall not contact or percolate through mining waste discharged at this site.
6. The exterior surfaces of the disposal area shall be graded and maintained to promote lateral runoff or precipitation and prevent ponding.
7. The discharger shall monitor groundwater at wells M-1 and M-3 for Total Dissolved Solids, Total Cyanide, Free Cyanide, and Arsenic, as described in 1.d of the Monitoring and Reporting Program No. R7-2005-0092, and revisions thereto, as "Monitoring Parameters".
8. The discharger shall implement the attached Monitoring and Reporting Program No. R7-2005-0092, and revisions thereto, in order to detect, at the earliest opportunity, any unauthorized discharge of waste constituents from the MWMF, or any unreasonable impairment of beneficial uses associated with discharges of waste to the MWMF.
9. The discharger shall not cause the concentration of any Constituent of Concern or Monitoring Parameter, as defined in section 1.d of the Monitoring and Reporting Program, to exceed its respective background value to a statistically significant degree in any monitored medium at any Monitoring Point assigned to determine Detection Monitoring pursuant to Monitoring and Reporting Program No. R7-2005-0092, and revisions thereto.
10. The discharger shall follow the Water Quality Protection Standard (WQPS) for detection monitoring established by the Regional Board pursuant to Title 27. The following are five parts of WQPS as established by the Regional Board.
 - a. The discharger shall test the groundwater for the monitoring parameters and the Constituents of Concern (CoC) listed in the Monitoring and Reporting Program No. R7-2005-0092, in section 1.d, and revisions thereto.
 - b. Background value is defined as an average of historical results from the up gradient well M-3 at the north nursery area.
 - c. Monitoring points and background monitoring points for detection monitoring shall be those listed below and in the Monitoring and Reporting Program and revisions thereto.
 1. Background groundwater monitor well (M-3)
 2. Down gradient groundwater monitor well (M-1)
 3. Cell 13 vadose gas well (M-2)

d. The duration of the compliance period (monitoring of the gas well and two groundwater monitoring wells) for this MWMF is three (3) years. If the Standard is not met (i.e. releases discovered), the MWMU begins a compliance period on the date the Regional Board directs the discharger to begin an Evaluation Monitoring Program. If the discharger's Corrective Action Program (CAP) has not achieved compliance with the standard by the scheduled end of the Compliance Period, the Compliance Period is automatically extended until the MWMU has been in continuous compliance for at least three consecutive years.

11. The discharger shall remove and properly dispose of any un-permitted wastes that are discharged at this site in violation of these requirements.
12. Water used for the site maintenance shall be limited to the amount necessary for dust control.
13. The MWMF shall be protected from any washout or erosion of wastes covering material, and from any inundation which could occur as a result of floods having predicted frequency of once in 100 years.
14. The discharger shall not cause the release of pollutants, or waste constituents in a manner which could cause a condition of contamination, or pollution to occur.

B. Prohibitions

1. The discharge or deposit of solid waste or any waste other than Group C mining waste at this site is prohibited.
2. The discharge or deposit of designated mining waste (as defined in Title 27) at this site is prohibited.
3. The discharge of mining waste to land not owned or controlled by the discharger is prohibited.
4. The discharger shall neither cause nor contribute to the contamination or pollution of ground water via the release of waste constituents in either liquid or gaseous phase.
5. The direct discharge of any waste to any surface water or surface drainage courses is prohibited.


C. Provisions

1. The discharger shall comply with Monitoring and Reporting Program No. R7-2005-0092 incorporated herein and made a part of the Board Order, and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of the Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
3. Prior to any modifications in this facility, other than those proposed in the Closure/Post-Closure Plan or Reclamation Plan, which would result in any material change, the discharger shall report all pertinent information in writing to the Regional Board and obtain revised requirements before any modifications are implemented.
4. Vegetation for closed mining units shall not impair the integrity of containment features. If irrigation of vegetation is used at the MWMF, it shall be managed to assure that it does not increase the production of leachate.
5. Existing MWMU shall be closed in a manner that will minimize erosion and threat of water quality degradation from sedimentation.

6. All containment structures and erosion and drainage control systems shall be designed and constructed under direct supervision of a California Registered Civil Engineer or Certified Engineering Geologist, and shall be certified by the individual as meeting the prescriptive standards and performance goals of Title 27.
7. The discharger shall maintain visible monuments identifying the boundary limits of the entire MWMU.
8. The Discharger shall ensure that all site maintenance personnel are familiar with the content of this Board Order.
9. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
10. Consistent with CWC section 13267(c), the discharger shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;
 - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of the Board Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and
 - d. Sample or monitor at reasonable time, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
11. The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the discharger to achieve compliance with this Board Order. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures.
12. This Board Order does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
13. The discharger shall comply with the following:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order, for a period of at least 5 years from the date of the sample, measurement, report, or application. This period may be extended by request of the Regional Board's Executive Officer.
 - c. Records of monitoring information shall include:
 1. The date, exact place, and time of sampling or measurements
 2. The individual(s) who performed the sampling or measurements
 3. The date(s) analyses were performed.
 4. The individual(s) who performed the analyses.

5. The results of such analyses.
- d. Monitoring must be conducted according to test procedures described in the Monitoring and Reporting Program, unless other test procedures have been specified in this Board Order.
14. All monitoring systems shall be readily accessible for sampling and inspection.
15. The discharger is the responsible party for the WDRs, and the Monitoring and Reporting Program for the facility. The discharger shall comply with all conditions of these WDRs. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these WDRs by the Regional Board.
16. The discharge shall furnish, under penalty or perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specification prepared by the Regional Board's Executive Officer.
17. The Discharger shall be required to submit technical reports as directed by the Regional Board's Executive Officer.
18. The discharger shall neither cause nor contribute to the contamination or pollution of ground water via the release of mining waste constituent in either liquid or gaseous phase.
19. The discharger shall not cause any increase in the concentration of waste constituents in soil pore gas, soil-pore liquid, soil or other geological material outside the MWMF if such waste constituents could migrate to waters of the State in either the liquid or the gaseous phase, and cause conditions of contamination or pollution.
20. The procedure for preparing samples for the analyses for free cyanide in the detoxified heap shall be consistent with the Monitoring and Reporting Program No. R7-2005-0092, and Attachment A to said Monitoring and Reporting Program and any revisions thereto.
21. Storm water discharges from the facility shall not cause or threaten to cause pollution, contamination, or nuisance.

I, Robert Perdue, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the Colorado River Basin Regional Water Quality Control Board on June 29, 2005.

Ordered By: 
ROBERT PERDUE
Executive Officer

JUN 29 2005

Date

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

**MONITORING AND REPORTING PROGRAM NO. R7-2005-0092
FOR
UNITED STATES DEPARTMENT OF INTERIOR, BUREAU OF LAND MANAGEMENT, LAND OWNER
CASTLE MOUNTAIN VENTURE, OWNER
VICEROY GOLD CORPORATION, OPERATOR
CLOSURE AND POST-CLOSURE OF
CASTLE MOUNTAIN PROJECT
Ivanpah, San Bernardino County**

Location of Discharge: Sections 13, 14, 22, 23, 24, 25, 26, 27 T14N, R17E and
Sections 18, 19, 30, T14N, R18 SBB&M

GENERAL

1. Reporting responsibilities of the Discharger are specified in the California Water Code. This self-monitoring program is issued in accordance with Provision 1 of Regional Board Order No. R7-2005-0092. The principal purposes of this self-monitoring program are:
 - a. To document compliance with Waste Discharge Requirements established by the Regional Board.
 - b. To facilitate self-policing by the Discharger in the prevention and abatement of contamination arising from the discharge.
 - c. To sample and analyze vadose zone gas and any liquids that may be present in the vadose gas well (M-2).
 - d. To conduct water quality analyses of groundwater monitoring wells (M-1 and M-3) located up-gradient and down gradient from the heap leach ore pads.
2. The Discharger shall comply with the following:
 - a. Samples and measurements obtained for the purpose of monitoring shall be representative of the monitored activity.
 - b. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by this Board Order for a period of at least five years from the date of sample, measurement, or report. Records of all data used to complete the Report of Waste Discharge application shall be retained until the Waste Discharge Requirements are rescinded. As the mine is now in closure and all facilities will be removed, storage of records and data will be in a mutually agreed to location.
3. c. Monitoring shall be conducted according to test procedures under 40 CFR Part 136 or the most recent "Standard Method" unless other test procedures have been specified in this Board Order.
4. All sampling methods not specified herein shall be conducted in accordance with U.S. Environmental Protection Agency-approved procedures. Analyses shall be conducted by a laboratory certified by the California Department of Health Services to perform the required analyses unless a field analysis is specified.

VADOSE GAS WELL MONITORING

1. Gas Well Monitoring - Monitoring of Cell 13 vadose gas well (M-2) will be used to indicate the presence of cyanide gas beneath the heap leach pad. The monitoring and reporting frequency is quarterly. The following are the monitoring and reporting requirements for the vadose gas well:
 - a. The Discharger shall test for the presence of cyanide gas (HCN). If cyanide gas (HCN) is detected, the discharger shall verbally report to the Regional Board within 48 hours of first detection. The Discharger shall follow-up the verbal notification with written documentation of the detection within 14 days of the incident.
 - b. Maintain a log of the gas well monitoring, recording when data is obtained, by whom, and results. The log shall be maintained on site and shall be available for inspection.
 - d. If no cyanide gas is detected in the gas well during the quarter, then that fact shall be stated in the monitoring report.

GROUNDWATER MONITORING

1. Groundwater Monitoring – Sampling of groundwater wells M-1 and M-3 will be used to assess any potential groundwater impacts. The monitoring and reporting frequency is quarterly. The following are the monitoring and reporting requirements for the groundwater monitoring system:
 - a. A description and graphical presentation of the direction of groundwater flow in the vicinity of the mine based upon water level elevation measurements obtained during the collection of the water quality data shall be submitted in the quarterly report.
 - b. A description of the method and time of water level measurements, the type and placement of the pump, and method for purging shall be submitted. Data presented in the report should include pumping rate, volume of water purged, and temperature, pH, and conductivity of the water during purging.
 - c. A description of the sampling device and method used to obtain the groundwater sample(s) shall be included. This should also include a description of sampling procedures (e.g., preservatives, number of samples, chain-of-custody procedures, any additional pertinent information).
 - d. Groundwater samples shall be collected once per quarter from groundwater monitoring wells (M-1 and M-3) and shall be analyzed for the following:
 1. Total dissolved solids
 2. Total cyanide
 3. Free cyanide
 4. Arsenic

CONTINGENCY REPORTING

1. If, as a result of technical and monitoring program reports, it is determined by the discharger or the Regional Board's Executive Officer, that substantial evidence exists that a liquid or gaseous phase release from the Viceroy Gold Corporation's Castle Mountain Project, has occurred which has migrated beyond the Project boundary and that could affect the quality of waters in the region, the discharger will provide copies of the reports or portions of the reports, which are not otherwise protected by law as confidential under Section 13267(b)(2) of the

Water Code, to the owner of adjacent property or to persons who reside on adjacent property that directly overlies any portion of such release (Affected Persons).

- a. Initial notification to Affected Persons shall be made within seven days of concluding the release underlies their property. Notification shall include a description of the known nature and extent of the release.
- b. The discharger shall provide updates to all Affected Persons (including any new Affected Persons) within seven days of concluding that there has been any material change in the nature or extent of the discharge.

REPORTING

1. The Discharger shall arrange the data in tabular form so that the specified information is readily discernible. Data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with Waste Discharge Requirements.
2. Records of monitoring information shall include:
 - a. Date, exact place, and time of sampling or measurement.
 - b. Individual(s) who performed the sampling or measurement.
 - c. Date(s) analyses were performed.
 - d. Individual who performed the analyses.
 - e. Results of such analyses.
3. Quarterly reports shall contain the following information:
 - a. Current status of the mining operation (whether the mine operation is active or inactive).
 - b. General condition of the closed areas located at the former facilities of the heap leach pads, berms, surface impoundments, and any exposed liner material. All berms, surface impoundments (solution basins), and liner material will be buried so nothing is exposed.
 - c. A letter transmitting essential points shall accompany each report. Such letter shall include a discussion of any requirement violations found since the last report was submitted, and shall describe actions taken or planned for correcting those violations. If the discharger has previously submitted a detailed time schedule for correcting the violations, a reference to the correspondence transmitting the time schedule will be satisfactory. If no violations have occurred since the last transmittal, this shall be stated.
 - d. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level of vice president or higher, or by his duly authorized representative, if such individual is responsible for the overall operation of the site.
 - e. Each report shall contain the following statement:

"I declare under the penalty of the law that I have personally examined and am familiar with the information in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

4. A written Detection Monitoring Report shall be submitted four times per year (quarterly). The submittal dates for each reporting period shall be as follows:
 - a. First Quarter (January 1 through March 31) - report due by April 30
 - b. Second Quarter (April 1 through June 30) - report due by July 31
 - c. Third Quarter (July 1 through September 30) - report due by October 31
 - d. First Quarter (October 1 through December 31) - report due by January 31
5. Submit monitoring and technical reports to :

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, California 92260

Ordered By:



ROBERT PERDUE
Executive Officer

JUN 29 2005

Date

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**



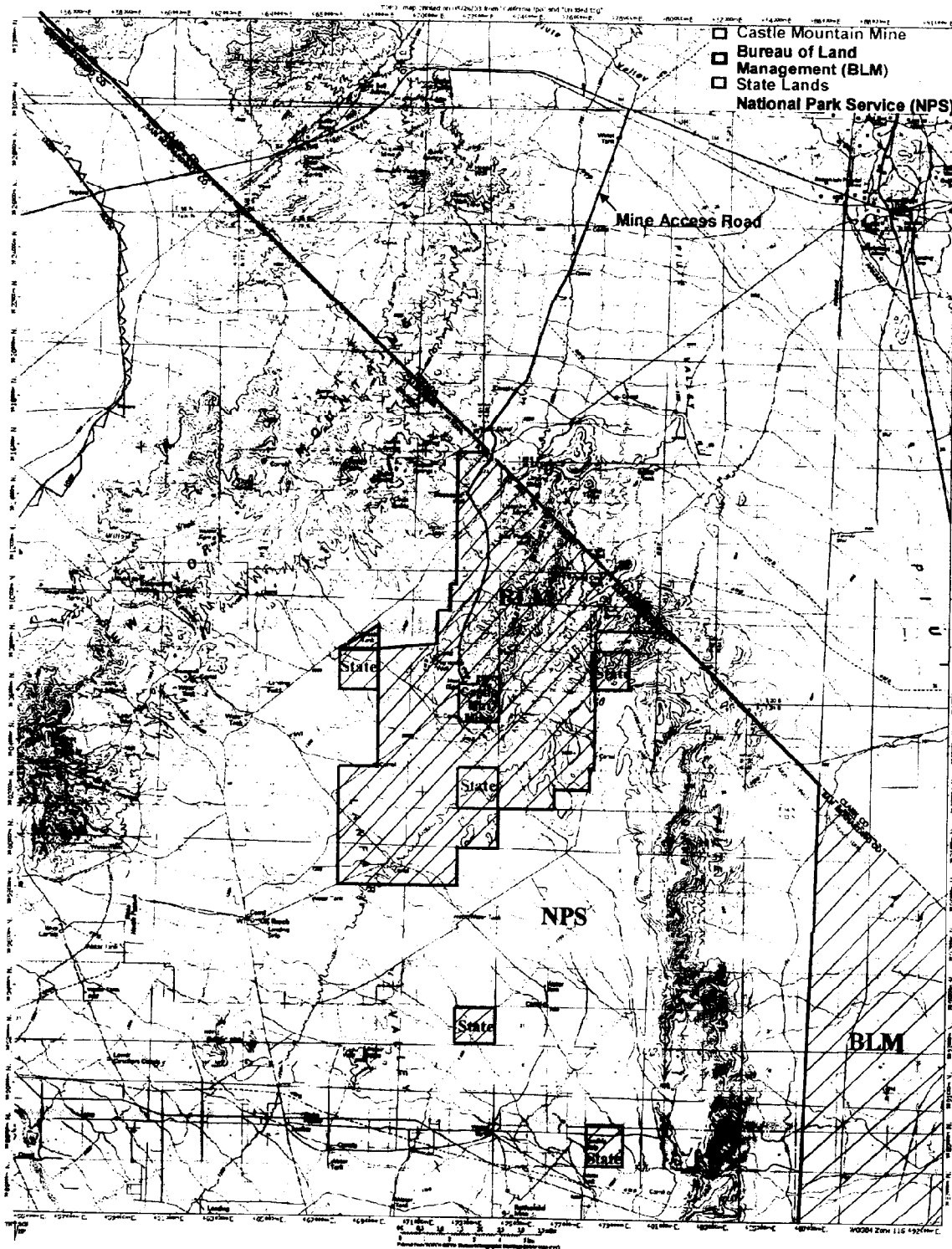
**CASTLE
MOUNTAIN
MINE**

LOCATION MAP

U. S. DEPARTMENT OF INTERIOR, BUREAU OF LAND MANAGEMENT, LAND OWNER
CASTLE MOUNTAIN VENTURE, OWNER
VICEROY GOLD CORPORATION, OPERATOR
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Ivanpah, San Bernardino County

Board Order No. R7-2005-0092

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**







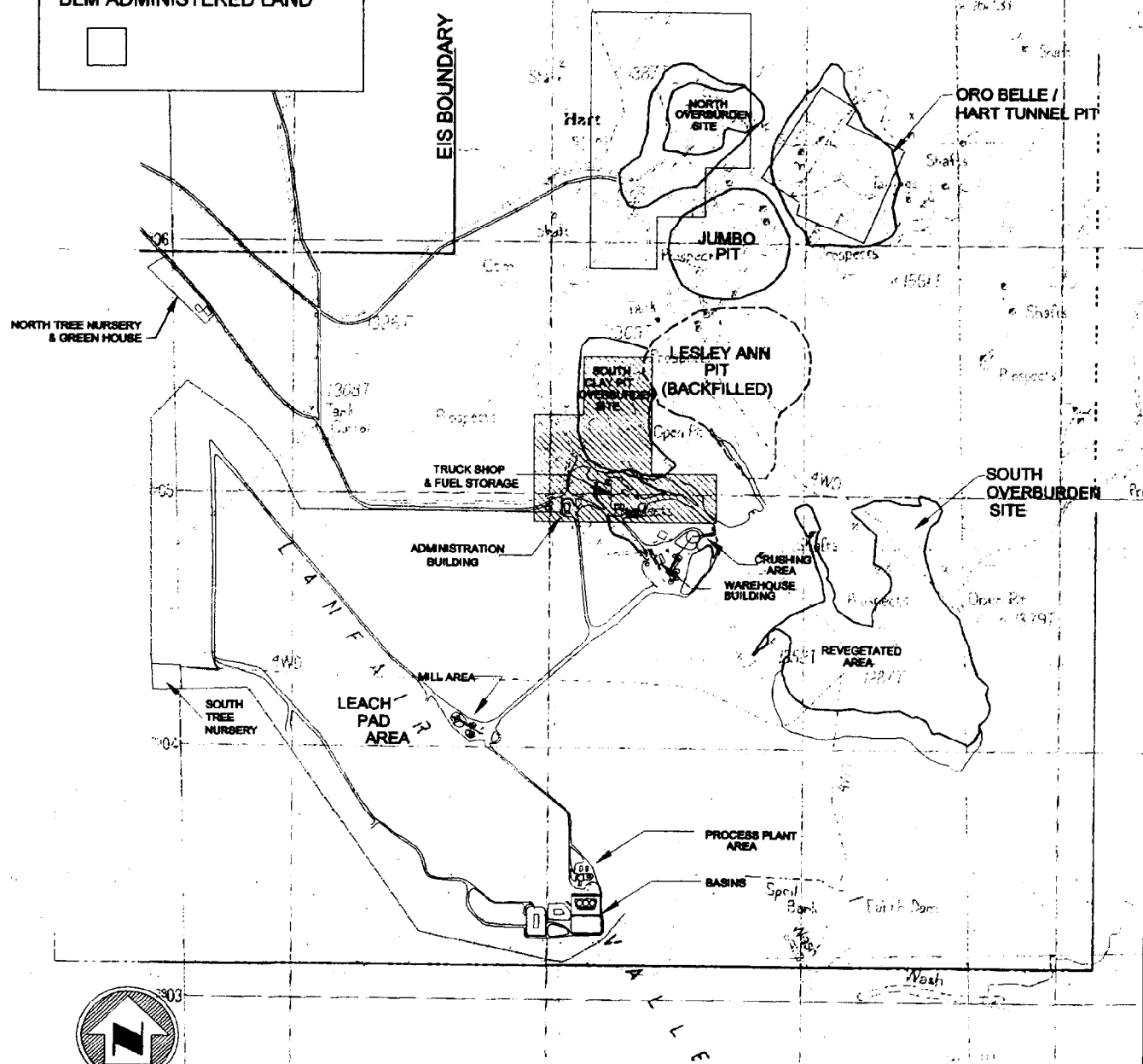
SITE MAP

U. S. DEPARTMENT OF INTERIOR, BUREAU OF LAND MANAGEMENT, LAND OWNER
CASTLE MOUNTAIN VENTURE, OWNER
VICEROY GOLD CORPORATION, OPERATOR
CASTLE MOUNTAIN PROJECT
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**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

EXPLANATION	
PATENTED LAND	
	Oro Belle Patent
	Pacific Clay Patent
	Milma Patent
BLM ADMINISTERED LAND	
	



LAND OWNERSHIP

U. S. DEPARTMENT OF INTERIOR, BUREAU OF LAND MANAGEMENT, LAND OWNER
 CASTLE MOUNTAIN VENTURE, OWNER
 VICEROY GOLD CORPORATION, OPERATOR
 CASTLE MOUNTAIN PROJECT
 Ivanpah, San Bernardino County

0 1000 2000
 FEET
 CONTOUR INTERVAL = 10m
 BASE MAP: HART PEAK 7½ QUAD

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