COGEMA

August 15, 2003

40-8502

U. S. Nuclear Regulatory Commission
Ms. Susan Frant, Chief
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852-2738

License SUA-1341
Docket No. 45-8502

RE: Annual Report for Wyoming DEQ Permit to Mine No. 478

Dear Ms. Frant:

As requested by our project manager Elaine Brummett, a copy of the 2002-2003 Annual Report to the Wyoming Department of Environmental Quality is enclosed for the NRC's document control room. The annual report to the NRC will be submitted at the end of the year as required by our updated license.

Please contact me if you should have any questions regarding the report.

Sincerely,

Tom Nicholson

Tom Nicholson
Environmental Specialist/ R.S.O.

Attachment

Letter cc: COGEMA - D. Wichers

Report cc: WDEQ - Sheridan, WY
BLM - Buffalo, WY

NMSS01

COGEMA Mining, Inc.
935 Pendell Blvd., P.O. Box 730, Mills, WY 82644 - Tel. : (307) 234-5019 - Fax : (307) 473-7306

COGEMA

August 15, 2003

Mr. Jerry Queen
U.S. Bureau of Land Management
Buffalo Resource Area
1425 Fort
Buffalo, Wyoming 82834

RE: Annual Report for Wyoming DEQ Permit to Mine No. 478

Dear Mr. Queen:

In keeping with our practice of updating you on our activities, please find enclosed a copy of COGEMA Mining Inc.'s Annual Report to the Wyoming Department of Environmental Quality. The report covers activities at the Irigaray and Christensen Ranch Projects from August 19, 2002 through August 18, 2003.

Please contact me if you should have any questions regarding the report.

Sincerely,

Tom Nicholson

Tom Nicholson
Environmental Specialist/R.S.O.

Attachment

Letter cc: COGEMA - D. Wichers

Report cc: WDEQ - Sheridan, WY
NRC - Washington, D.C.

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935 Pendell Blvd., P.O. Box 730, Mills, WY 82644 - Tel. : (307) 234-5019 - Fax : (307) 473-7306

COGEMA

August 15, 2003

Mr. Don McKenzie, District III Supervisor
Land Quality Division
Department of Environmental Quality
1043 Coffeen Avenue, Suite D
Sheridan, Wyoming 82801

PERMIT TO MINE NO. 478

RE: Annual Report for Wyoming DEQ Permit to Mine No. 478

Dear Mr. McKenzie:

Pursuant to the requirements of W.S. 35-11-411(a), please find enclosed two copies of COGEMA Mining Inc.'s *2002-2003 Annual Report for Permit to Mine No. 478.* The report covers activities at the Irigaray and Christensen Ranch Projects from August 19, 2002 through August 18, 2003. Included in this report is the revised financial surety estimate for the 2003-2004 period, located in Appendix 3.

Please contact me if you should have any questions regarding the report.

Sincerely,

Tom Nicholson
Environmental Specialist/R.S.O.

Attachment

Letter cc: COGEMA - D. Wichers

Report cc: NRC - Washington, D.C.
BLM - Buffalo, WY

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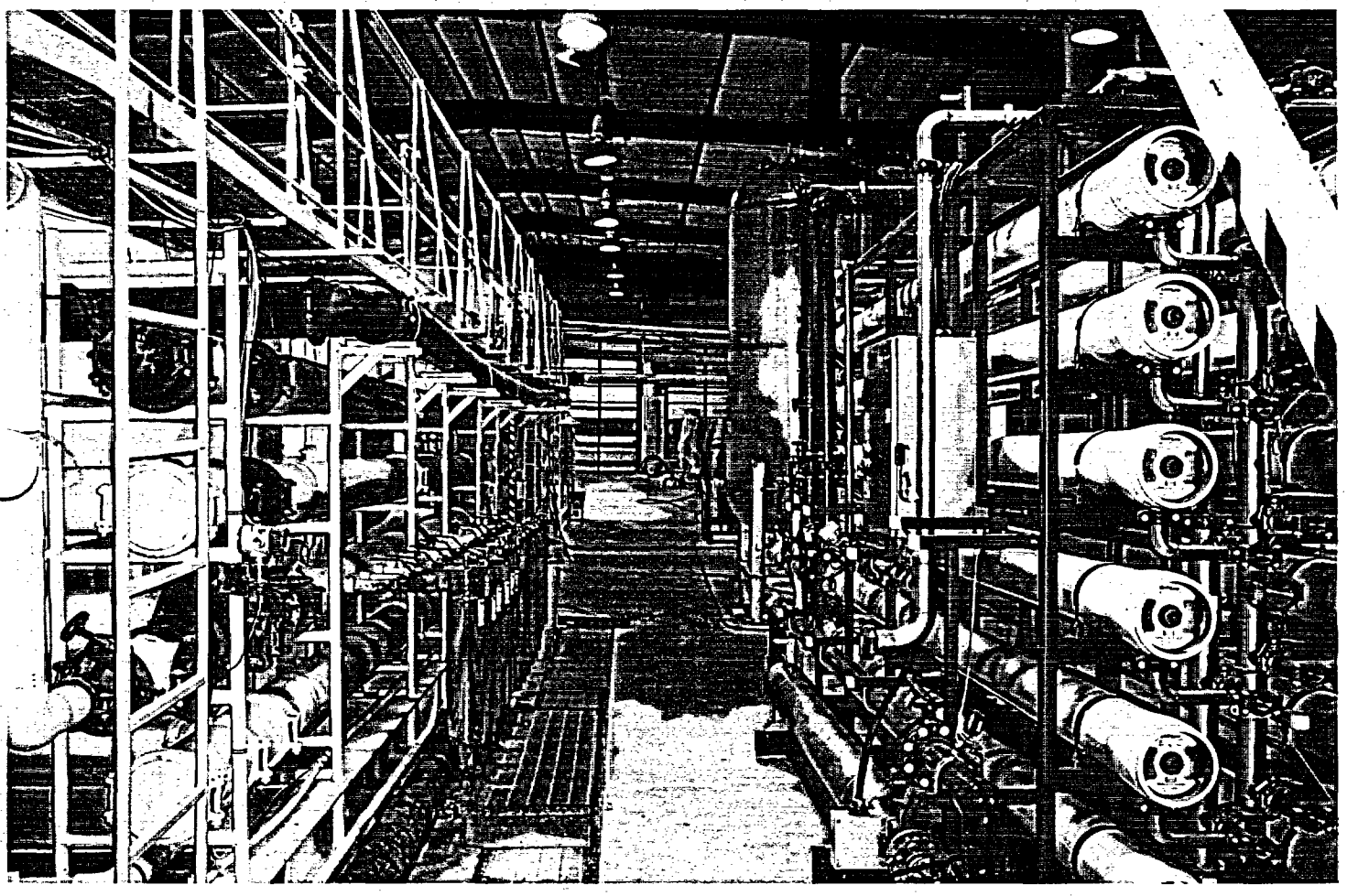
OGEMA

IRIGARAY and CHRISTENSEN RANCH PROJECTS



ANNUAL REPORT
WDEQ PERMIT TO MINE No. 478
August 19, 2002 – August 18, 2003

August 2003

ANNUAL REPORT
PERMIT TO MINE NO. 478
August 19, 2002 through August 18, 2003

This document provides the information required by the Wyoming Environmental Quality Act, Wyoming Statue 35-11-411 (a). Each section is a response to specific requests listed in the Required Annual Report Information form for large mining operations, which was provided by District III, Land Quality Division, Wyoming Department of Environmental Quality (WDEQ). Additional information reported annually, as required by Permit to Mine No. 478, is provided in Response No. 9, below.

REQUIRED ANNUAL REPORT INFORMATION

1. **GENERAL INFORMATION:**

Name of Permittee:	COGEMA Mining, Inc. P.O. Box 730 Mills, Wyoming 82644
Mining Permit Number:	Permit to Mine No. 478
Date of Permit Issuance:	August 18, 1978
Amendment No. 1:	March 6, 1987
Amendment No. 2:	September 12, 1988
Mineral Mined:	Uranium

State and Federal Mineral Lease Numbers Inside Permit Area:

COGEMA Mining Inc.'s (COGEMA) operations are primarily conducted on federal mining claims. These claims are too numerous to list here. Claim numbers for the Irigaray (IR) mine may be found in annual reports prior to the 1988-1989 reporting period, and for the Christensen Ranch (CR) mine, in Volume II, Adjudication File of the Amendment No. 2 application for CR operations. Referenced locations in the following text are shown on specified maps located in the Report Appendices.

2. **REPORTING PERIOD:**

The annual WDEQ report period for Permit No. 478 is August 19, 2002 through August 18, 2003. However, to be consistent with past annual reports and to simplify data reporting the actual period that this report covers is: July 1, 2002 through June 30, 2003.

3. **MINING:**

COGEMA ceased all mining activities on June 23, 2000. Therefore, there were no newly disturbed acres or topsoil stockpiled at the IR or CR projects during the report period.

Activities have since been devoted to groundwater restoration and final decommissioning. See Section 4 for the groundwater restoration summary.

b) Tabulated surface acreage disturbed to date is provided below:

Irigaray Project:

Years Affected	Acreage
All disturbances prior to August 17, 1978	9.00 Acres
August 18, 1978 - August 18, 1979	74.56 Acres
August 19, 1979 - August 18, 1980	43.38 Acres
August 19, 1980 - August 18, 1981	4.66 Acres
August 19, 1981 - August 18, 1995	0.00 Acres
August 19, 1995 - August 18, 1996	1.50 Acres
August 19, 1996 - June 30, 2003	0.00 Acres
Total	**133.10 Acres**

Christensen Ranch Project:

Years Affected	Acreage
August 19, 1988 - August 18, 1989	79.60 Acres[1]
August 19, 1989 - August 18, 1990	10.50 Acres[2]
August 19, 1990 - August 18, 1992	0.00 Acres
August 19, 1992 - August 18, 1993	106.87 Acres[3]
August 19, 1993 - August 18, 1994	5.00 Acres[4]
August 19, 1994 - August 18, 1995	40.72 Acres[5]
August 19, 1995 - August 18, 1996	66.26 Acres[6]
August 19, 1996 - August 18, 1997	33.70 Acres[7]
August 19, 1997 - August 18, 1998	12.98 Acres[8]
August 19, 1998 - August 18, 1999	95.70 Acres[9]
August 19, 1999 - August 18, 2000	2.53 Acres[10]
August 19, 2000 - June 30, 2003	0.00 Acres
Total	**423.86 Acres**

GRAND TOTAL (IR & CR) **556.96 Acres**

[1]Mine Unit 3 well field area - 45.99, ponds & plant - 13.98, topsoil - 3.71, roads - 11.03, lay-down area - 4.88; [2]Unit 3 extension - 10.50; [3]Unit 2 well field, pipeline corridors & staging areas - 50.15, Unit 2 topsoil - 0.96, roads - 7.36, Unit 4 development area - 48.08, Unit 4 topsoil - 0.32; [4]Unit 5 lay-down area & delineation holes, - 5.00; [5]Unit 5 roads - 11.1, Unit 5 well field, pipeline corridors & staging area - 27.20, Unit 5 topsoil - 2.42; [6]Unit 5 well field & pipeline corridors - 47.8, Unit 5 roads & modules - 1.9, Unit 5 topsoil - 0.04, Unit 6 well field, delineation holes, & staging area - 11.1, Unit 6 topsoil - 2.52, Deep disposal well # 1 - 2.9, [7]Unit 6 Booster Pump Station & road - 1.8, Unit 6 well field, delineation holes & staging area - 29.2, Unit 6 roads & module buildings - 2.7; [8]Unit 7 delineation holes - 8.28, Unit 7 lay-down & borrow area - 0.22, Unit 8 delineation holes - 4.48; [9]Unit 7 development area & delineation holes - 42.7, Unit 8 exploration hole sealing & delineation holes - 53.0 acres; [10]Deep disposal well # 18-3 location & road - 2.3 acres, well field electrical line replacement - 0.23.

c) Tabulated topsoil stockpile volumes and dates are provided below:

Stockpile No.	Estimated Volume (yd^3)	Date Stockpiled
Irigaray Project:		
1	1,657.0	Nov. 1976
2	267.0	Sep. 1978
3	9,748.0	Sep. 1978
4	120.0	Oct. 1978
5	2,248.0	Oct. 1978
6	9,463.0	Aug. 1979
7	1,553.0	Sep. 1979
8	630.0	Oct. 1979
9	3,032.0	Jul. 1980
10	3,369.0	Aug. 1980
11	1,444.0	Aug. 1980
12	8,771.0	Aug. 1980
Christensen Ranch Project:		
1	71,787.0	Sep. 1988
2	17,182.0	Sep. 1988
3	14,278.0	Oct. 1988
4	16,779.0	Oct. 1988
5	6,520.0	Mar. 1993
6	1,680.0	Apr. 1993
7	8,291.2	May 1995
8	4,315.0	Jun. 1995
9	16,822.0	Jun. 1995
10	1,157.0	Apr. 1996
11	4,888.9	Jul. 1996
12	4,120.0	Jan. 1997
13	2,284.7	Feb. 1997
13*	1,230.0	May 1998
14	2,591.3	Dec. 1999

* Note: Stockpile No. 13 was used in two consecutive years as development in Mine Unit 6 continued.

d) Due to the nature of in-situ mining, no spoil material has been produced or stockpiled.

e) A total of 24,712 pounds of uranium as U_3O_8 were captured from groundwater restoration operations at CR during the report period. Tabulated quantity of uranium recovered from both projects is provided below:

Year	Lbs. U_3O_8
December, 1978 - August 18, 1979	101,581
August 19, 1979 - August 18, 1980	122,462
August 19, 1980 - August 18, 1981	58,394
August 19, 1981 - August 18, 1982	425
August 19, 1982 - August 18, 1987	0
August 19, 1987 - August 18, 1988	127,350
August 18, 1988 - July 31, 1989	245,514
November 6, 1989 - February 1, 1990	105,030
August 19, 1990 - August 18, 1991	6,224
August 19, 1991 - July 31, 1992	239,723
August 1, 1992 - June 30, 1993	168,967
July 1, 1993 - June 30, 1994	323,726
July 1, 1994 - June 30, 1995	417,237
July 1, 1995 - June 30, 1996	713,238
July 1, 1996 - June 30, 1997	650,197
July 1, 1997 - June 30, 1998	523,237
July 1, 1998 - June 30, 1999	201,010
July 1, 1999 - June 30, 2000	146,264
July 1, 2000 - June 30, 2001	32,411
July 1, 2001 - June 30, 2002	39,415
July 1, 2002 – June 30, 2003	24,712

f) No new construction occurred, as described in 1 through 6.

g) No significant environmental problem areas were noted, and no reportable restoration solution spills occurred during the report period. Some minor natural erosion along the edges of the access road leading into Mine Unit (MU) 5 was re-contoured and seeded with the interim seed mix as described in 4. c). below.

4. **SURFACE RECLAMATION AND GROUNDWATER RESTORATION:**

Surface Reclamation:

a) No surface reclamation or seeding was conducted during the report period.

b) N/A.

c) No acreage has yet been reclaimed with a permanent seed mix. However, areas previously seeded with the interim reclamation mix were tabulated and displayed on maps in the 1993 Annual Report. The species of grass planted in the interim seed mix are:
Western wheatgrass (Rosana) - 14.58%, Thickspike wheatgrass (Critana) - 16.10%, Intermediate wheatgrass (Oahe) - 15.56%, Streambank wheatgrass (Sodar) - 14.73%,

Green needlegrass (Lodorm) - 9.62% and five pounds per acre of Barley (Century) for a cover crop.

d) N/A.

e) Vegetation cover remains good in the seeded areas. The following 12 photographs provide views of both projects during the spring and early summer of 2003, including the vegetation cover in the well fields.

Groundwater Restoration - Irigaray Project:
Groundwater restoration activities were concluded in November 2001, and groundwater stabilization monitoring was completed in August 2002. The IR staff was reassigned to the Christensen Project in December 2001. The IR facilities were secured with door locks and locking gates at all perimeter access points. Security checks are conducted daily by the CR staff. Groundwater Restoration Maps of the Irigaray project are located in Appendix 5.

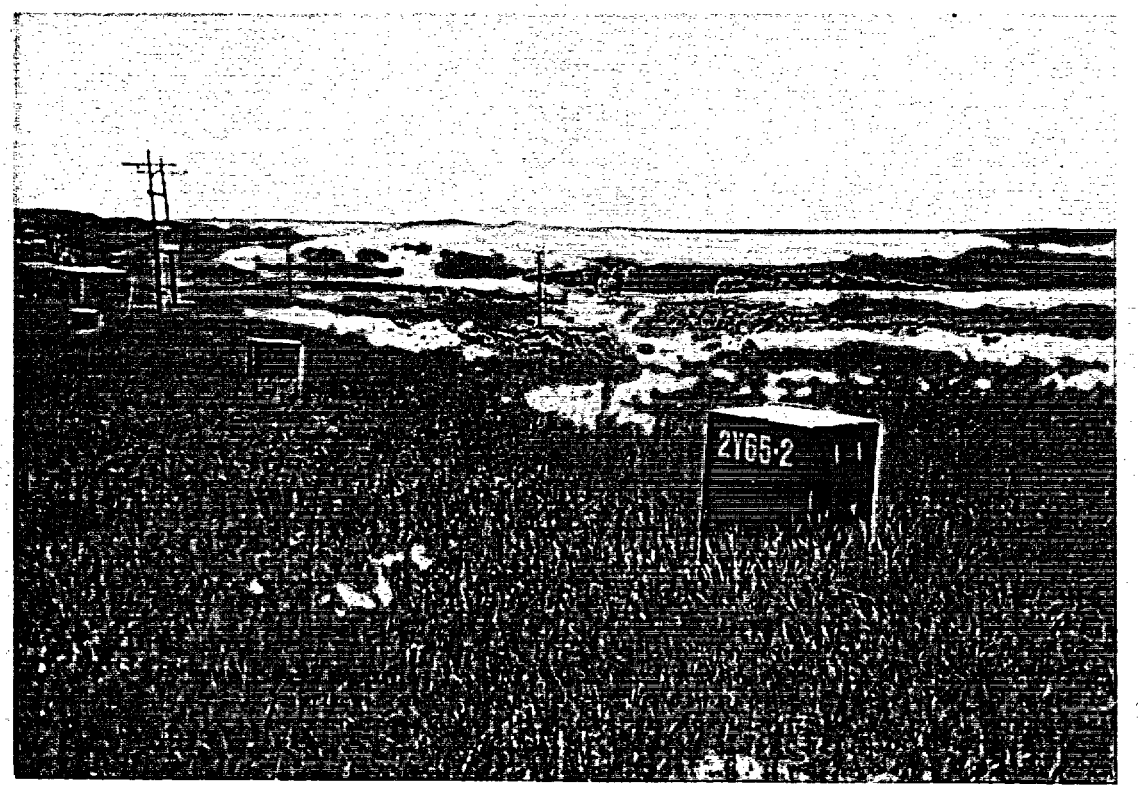
Production Units 1-5:
Restoration was completed in Production Units (PU) 1 through 3 in 1993, and in units 4 and 5 in 1999. No further actions have taken place in these well fields. These units were mined using ammonium bicarbonate lixiviant.

Production Unit 6:
The Reverse Osmosis (RO) filtration and permeate injection phases were completed in October 2001, and the re-circulation phase was completed in November 2001. The nine-month stabilization phase reached completion in August 2002.

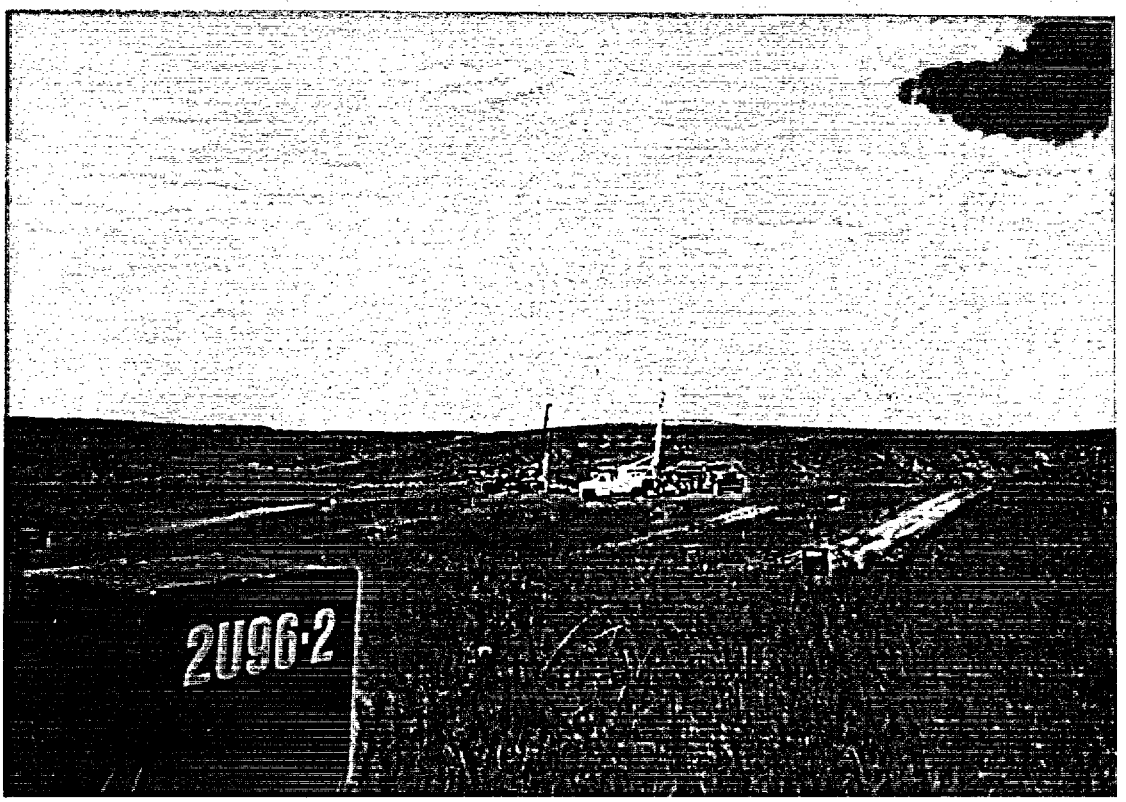
Production Unit 7:
The RO phase was completed in July 2001, and the re-circulation phase was completed in August 2001. The nine-month stabilization phase was completed in May 2002.

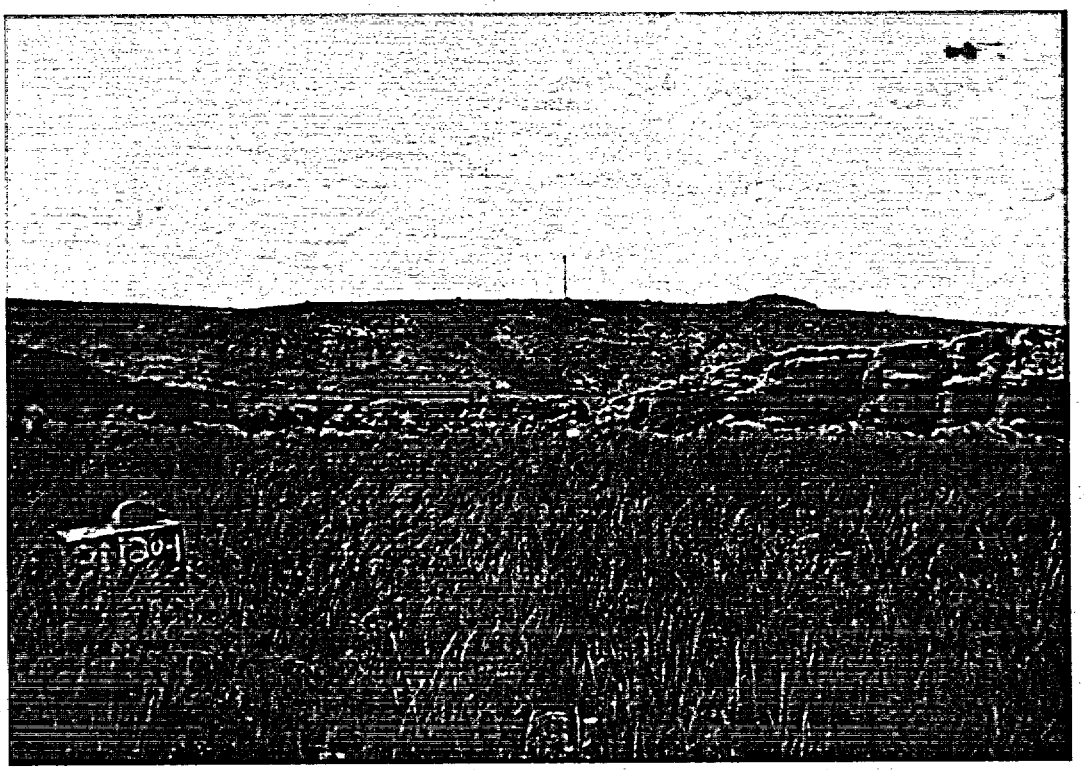
Production Unit 8:
The RO phase was completed in June 2000, and the re-circulation phase was completed in August of the same year. The stabilization phase was completed in June 2001.

Production Unit 9:
The RO phase was completed in April 2000, the re-circulation phase was completed in May 2000, and the stabilization phase reached completion in January 2001.

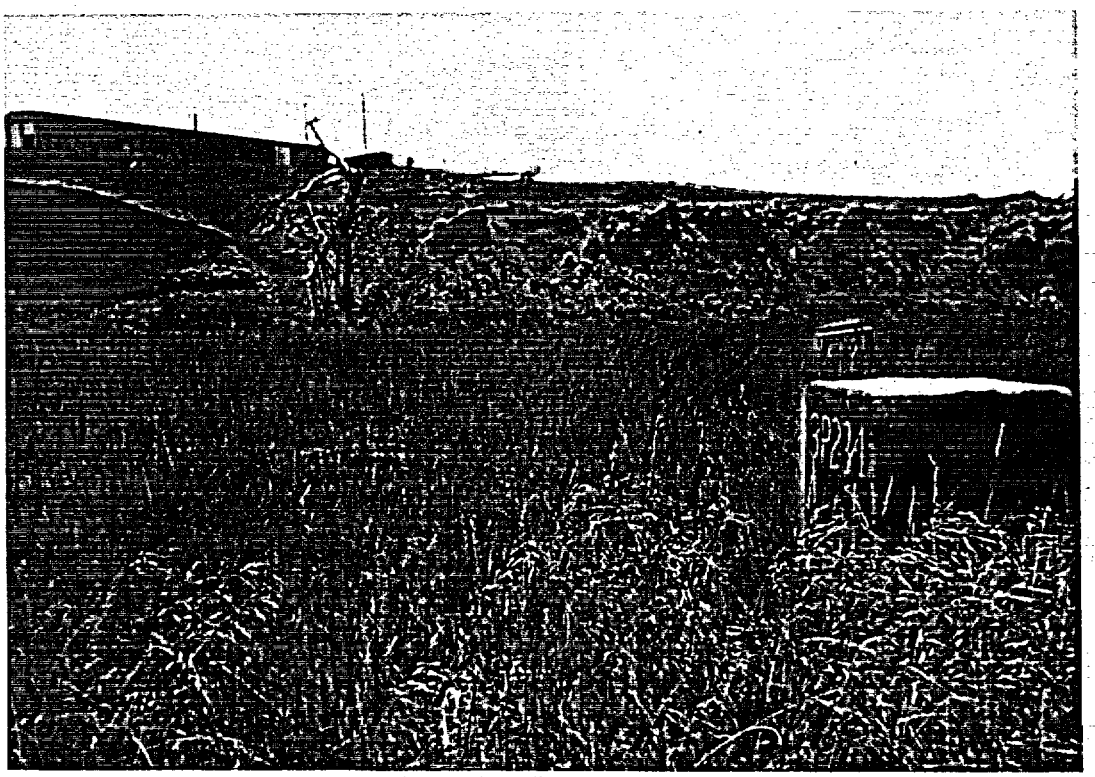


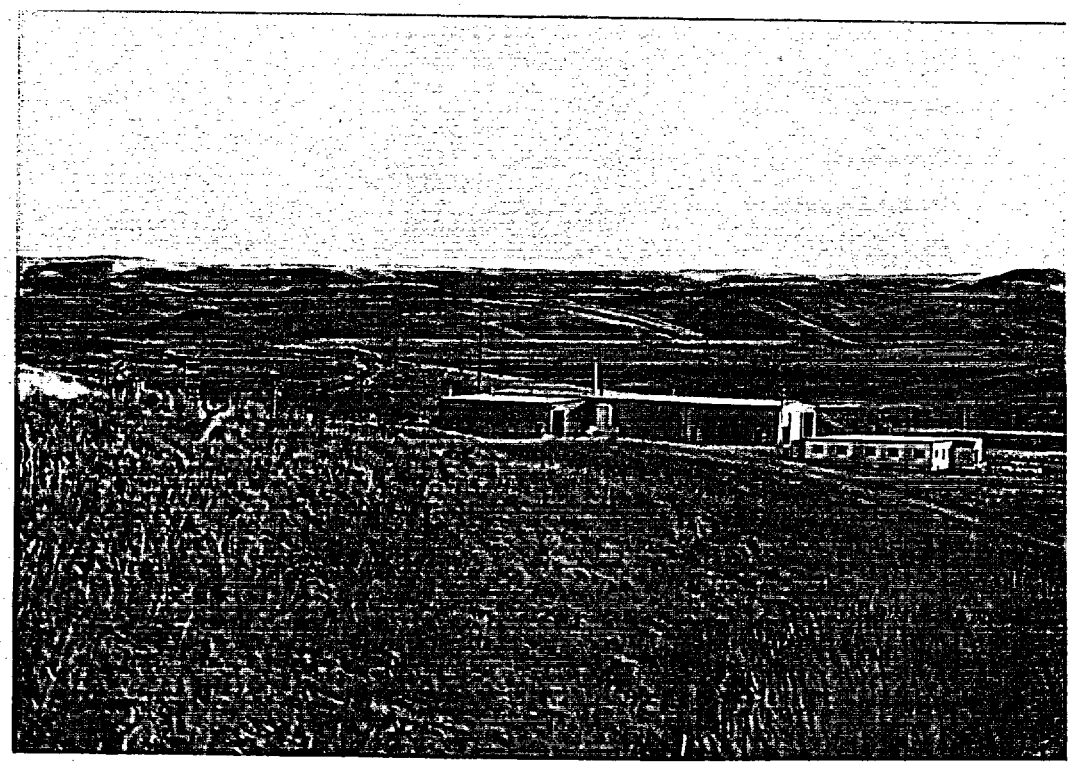
Photographs No. 1 & 2
Christensen Ranch – Mine Unit 2



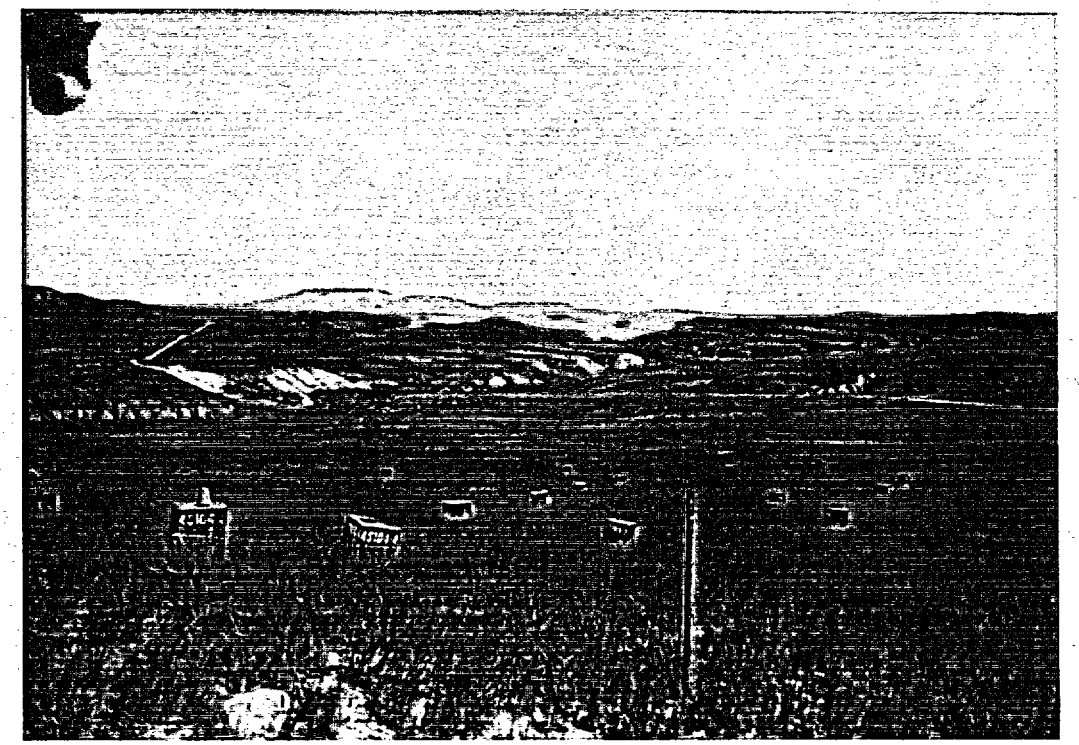


Photographs No. 3 & 4
Christensen Ranch – Mine Unit 3

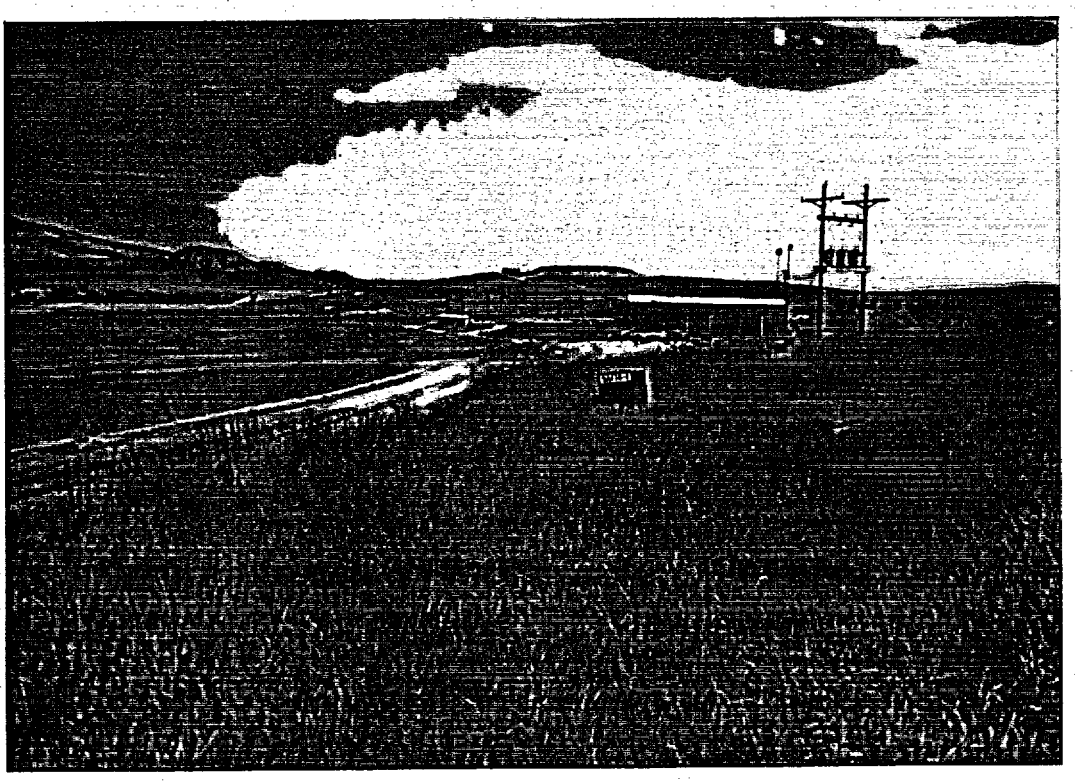


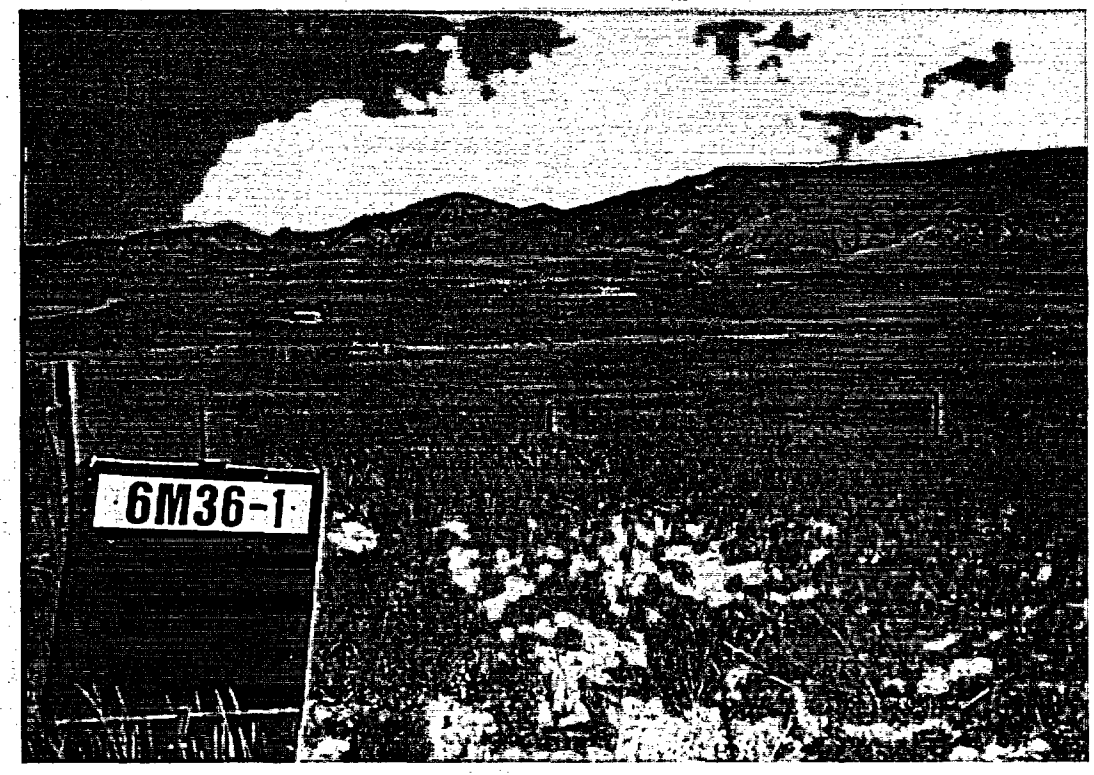


Photographs No. 5 CR Plant & Office
Photograph No. 6 CR Mine Unit 4

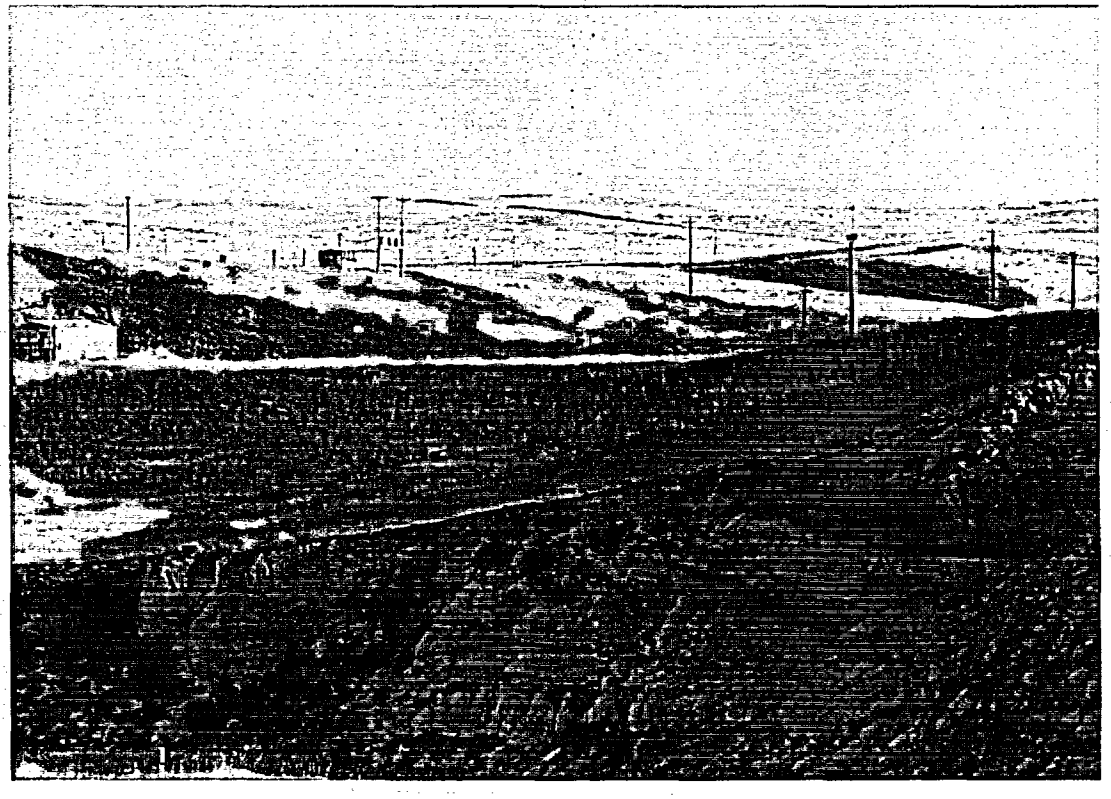


Photographs No. 7 & 8
Christensen Ranch – Mine Unit 5

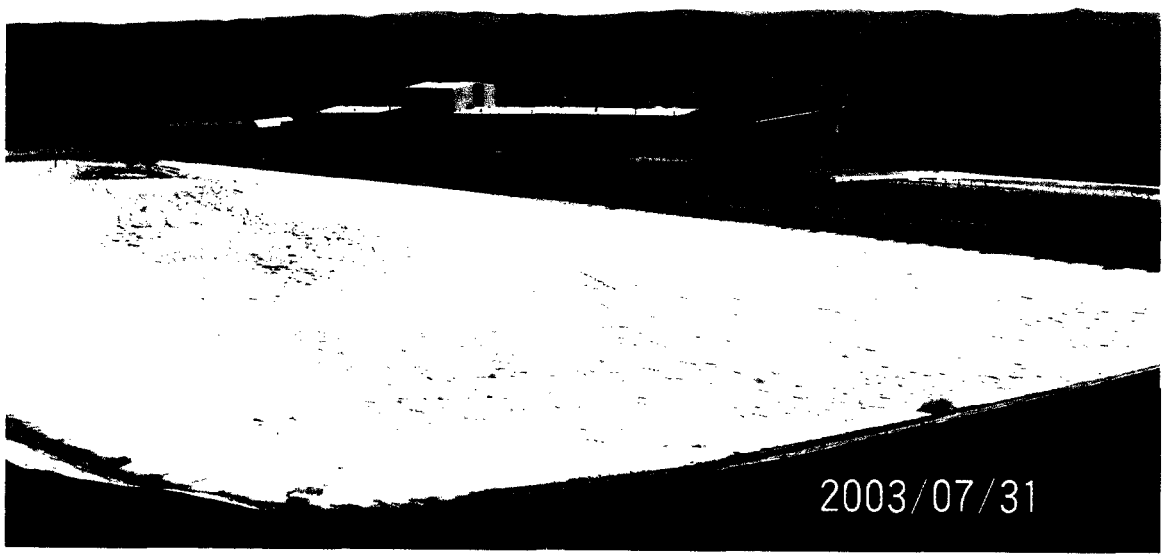




Photographs No. 9 & 10
Christensen Ranch Mine Unit 6



Photographs No. 11 & 12
Irigaray Project
Wellfields and Pond A



Groundwater Restoration - Christensen Ranch Project:
Both the groundwater sweep (GWS) and the RO phases of restoration, continued during the report period, with a combined flow of 1,000 gallons per minute (gpm). Five RO units were used for the RO phase. A sixth RO unit was used to concentrate the brine from the other five units, prior to disposal in the Class I injection wells.

A chemical reductant addition system was installed and started at CR in November 2002. Hydrogen Sulfide (H_2S) addition to MU 4, Module 4/2 started in late November, and was completed in March 2003. The system was then relocated to MU 2 Module 2/4, restarted in April 2003, and continued to be in operation there through the end of this report period.

Groundwater Restoration Maps, showing the areas where restoration is in progress or completed, are include in Appendix 5 of this report.

Mine Unit 2:
The RO phase of operation in MU 2 was suspended in March 2002, with a total of 10.8 pore volume displacements (pvd) processed. Module 2/4 was reactivated for further RO permeate and reductant addition in April 2003 and remains in operation currently.

Mine Unit 3:
The RO phase began in February 1999 and was suspended in August 2002 with a total of 15.45 pvd having been processed.

Mine Unit 4:
The RO phase began in June 2001 and ended in November 2002 with a total of 9.65 pvd processed through the end of this report period. The unit received a phase of reductant addition (H_2S) in Module 4/2 from November 2002 to March 2003. The unit is presently on standby while the results of this program are being evaluated. Following this evaluation a decision will be made on continuation of reductant injection into other modules of the unit.

Mine Unit 5:
The RO phase began in April 2002 and is ongoing with a total of 6.51 pvd processed by the end of this report period.

Mine Unit 6:
The GWS phase began in September 2000 and was completed in February 2003 with a total of .92 pvd processed. The RO phase is anticipated to begin in August 2003.

5. **MINING PLANS:**
As stated in Section 3, COGEMA ceased all mining activities on June 23, 2000. A resumption of mining activities is not currently planned.

6. **RECLAMATION & RESTORATION PLANS - NEXT REPORT PERIOD:**

Surface Reclamation:

Final decommissioning and surface reclamation will be accomplished at IR - 517 and the USMT test sites and ponds, upon approval from the ranch owner to bury non-contaminated cement rubble at the site. This project encompasses approximately five acres of surface disturbance.

Pond dewatering of IR ponds RA, RB and E (see IR Map - Appendix 4) was started in June 2003 and will be ongoing throughout the next reporting period; with anticipation of completion and disposal of pond sludge in late 2003. This will be followed by liner disposition and pond area reclamation. IR ponds A through D (see IR Map - Appendix 4) will be reclaimed after the Irigaray plant is demolished.

At Irigaray PU 1 through 9, equipment removal was started in May 2003 with well field piping, conduit, well head boxes, and associated fixtures currently being surveyed for possible contamination. All non-contaminated materials will be recycled if possible, or disposed of at an area land-fill. All contaminated materials will be processed and disposed of at the Pathfinder Shirley Basin disposal facility. All of this activity is located at the IR project in Sections 5, 9 & 16, T.45 N., R.77 W. and shown on the IR General Location map in Appendix 4.

Ground water Restoration:

Irigaray Project:

The final round of Stability Phase sampling for Irigaray PU 6 was completed in August of 2002. This sampling event marked the completion of the groundwater restoration activities for the IR project. A formal request for restoration approval of the entire well field area, including PU 1 through 9 , is currently being prepared for submission to the WDEQ.

Christensen Ranch Project:

MU 5 will continue in the RO phase into the next report period. The GWS phase in MU 6 was completed in February 2003. As stated earlier, the RO phase here will begin in the first quarter of the next reporting period. Groundwater restoration via RO filtration/permeate injection will continue at a combined recovery flow rate of 1,000 gpm. The RO phase was completed in MU 2, 3 and 4 in March 2003. The nature of any additional groundwater restoration activities in MU 2, 3 and 4 will be determined by the results of the reductant test currently in operation in module 2/4 and recently completed in module 4/2.

7. **MONITORING ACTIVITIES:**

a) **Groundwater Monitoring - Well Field Monitor Wells:**

Groundwater quality at both projects is monitored by routine sampling of 327 monitor or trend wells surrounding or within the well fields. Sampling frequency varies for these wells. Monitor wells on excursion status are sampled weekly. Monitor wells not on

excursion status and trend wells are sampled monthly until restoration is complete. These wells are then sampled quarterly during post-restoration/stabilization monitoring and thereafter.

Sample data for each monitor and trend well from January 1, 2003 through June 30, 2003 are contained in Appendix 2. Sample data from the second half of 2002 was included with the 2002 Annual Effluent and Monitoring Report, submitted in February 2003.

By letter from the WDEQ dated July 29, 2003, the seven wells that have been on excursion status at IR (SSM3, SSM18, SSM40, SSM41, SSM42, SSM43 and DM10) have been removed from that status. These wells will now return to post-restoration quarterly sampling frequency. A permit amendment to obtain concurrence from the Nuclear Regulatory Commission (NRC) is currently being prepared.

One well at CR (5MW8) that went on excursion December 16, 2002, has recently been removed from this status. Please refer to COGEMA's letter dated July 28, 2003 for the details of this release. These events result in only one well currently remaining on excursion status at either project.

Perimeter monitor well 5MW54 at CR only recently went on excursion status (May 21, 2003). This occurred as a result of the alteration of injection and recovery patterns associated with the RO phase of restoration presently under operation within this unit. The excursion is being corrected by increasing recovery in the immediate vicinity of the problem. Corrective pumping procedures here have the UCL's trending downward and should only require some additional recovery time for full correction of the situation.

Groundwater Monitoring - Regional Ranch Wells:

Annual samples were collected in May 2003 from six regional ranch wells. One additional well that is usually sampled has an inoperable pump, and, therefore was not sampled at this time. When and if the ranch owner repairs the pump, annual samples will again be collected at this site. All samples were analyzed for uranium along with four other radionuclides in the decay chain. The resulting concentrations were mostly Non Detectable (ND), with the remaining concentrations within normal historical ranges. 2003 sample data are listed in Table 1 of Appendix 1. Sample data from the second half of 2002 were included with the 2002 Annual Effluent and Monitoring Report submitted to the WDEQ in February 2003.

Underground Injection Wells:

Two Class I injection wells are installed at the CR project and are licensed by WDEQ Permit Number UIC00-340 for industrial wastes. A total of 38,644,497 gallons of restoration water was injected into disposal well COGEMA DW No. 1, and 35,005,129 gallons were injected into disposal well Christensen 18-3, during the report period.

On May 21, 2003 COGEMA DW No. 1 was treated with a 7.5% hydrochloric acid stimulation to improve its injection capability. WDEQ (Water Quality Division) was

informed of the testing and provided verbal approval. No exceedances of pH limits or injection pressures occurred during the test period.

Quarterly reports for both wells are submitted to the WDEQ - Water Quality Division in Cheyenne, Wyoming. No exceedances of the permit limits were recorded for flow, pressure or water quality during this report period.

b) **Surface Water Monitoring:**

Willow Creek is an intermittent stream present within the permit boundary of both the IR and CR projects. Three sample locations are designated at each site: upstream, downstream and within the permit boundary. Annual samples were collected in May 2003 from the locations where flow was available. An annual sample of the Powder River was also collected near the IR site, downstream from its confluence with Willow Creek.

The samples were analyzed for both radionuclide and chemical parameters. The resulting radio-nuclide concentrations were mostly ND, with the remaining concentrations within historical ranges. The chemical parameters were also within historical ranges. 2003 sample data are contained in Table 2 of Appendix 1. Sample data from the second half of 2002 were submitted with the 2002 Annual Effluent and Monitoring Report dated February 2003.

Surface Discharge Monitoring:

A surface discharge outfall is available at each project for disposal of treated groundwater generated by restoration activities. The outfalls are licensed by the U.S. Environmental Protection Agency (EPA) under National Pollutant Discharge Elimination System (NPDES) permits issued by the WDEQ. No water was discharged at the IR project (Permit No. WY0028801, discharge 001). At the CR site (Permit No. WY0033642, discharge 002) 999,772 gallons of water were discharged during January of 2003. No water has been discharged at this location since the end of January.

When these discharge points are in operation, routine sampling is conducted on a weekly monthly and quarterly basis as required by the NPDES permits. No NPDES permit limits were exceeded during the report period.

The quarterly samples are also analyzed for radio-nuclide activity (Uranium, Radium-226, Thorium-230, Polonium-210 and Lead-210) and compared to the NRC's 10 CFR 20 Appendix B - effluent limits. Again, no exceedances were noted during this report period. 2003 data are included in Table 3 of Appendix 1 of this report. Sample data from the second half of 2002 were included with the 2002 Annual Effluent and Monitoring Report submitted in February 2003.

Evaporation Pond Monitoring:

Weekly inspections are conducted on twelve evaporation ponds (seven at IR, and five at CR). No leaks or embankment problems were noted during the report period. 2003 sample data are contained in Table 4 of Appendix 1. Sample data from the second half of 2002 was enclosed with the 2002 Annual Effluent and Monitoring Report submitted in February, 2003.

c)-g) N/A.

h) Since mining activities have ceased at both projects, all wildlife monitoring has been suspended. If mining resumes at a future date, the sage grouse and raptor studies will be reinitiated.

i) Maps showing the monitor locations discussed in this section are located in Appendix 4.

8. **RECLAMATION PERFORMANCE BOND ESTIMATE:**

An updated reclamation/restoration bond estimate for August 2003 through August 2004 is provided in Appendix 3. Unit rates have been updated to 2003 dollars and a detailed description of the unit rates are contained after the bond calculation in Appendix 3. The only credit for work completed that are included in this year's estimate are for the completion of Groundwater Sweep in ALL wellfields at Irigaray and Christensen, as groundwater sweep in Mine Unit 6 at Christensen was during the report period. The changes in unit rates affected all bond worksheets and Table 1 (summary). These changes are best described by the description of unit rates in Appendix 3.

Credit Taken for Work Completed – Groundwater Restoration

The first phase of restoration, one pore volume displacement of groundwater sweep, has been completed for all of the Irigaray and Christensen well fields. In fact, all phases of restoration have been completed at Irigaray and final stabilization monitoring was completed in the last well field in August 2002. Therefore, credit has been taken for all groundwater sweep efforts. If after review of the final report additional restoration were deemed necessary by the regulatory agencies, the remaining bonded level for the second phase of restoration, five pore volumes of reverse osmosis, should be plenty of surety for any remaining work. The credit has been indicated on the last page of Worksheet 1.

Credit Taken for Work Completed – Pond Reclamation

Credit was taken during the 2002 bond period for all work at the 5I7 ponds with the exception of backfill. This is still the case.

Table 1 – Summary of Reclamation/Restoration Bond Estimate 2002 – 2003

As a result of the above changes to unit rates in all worksheets, changes to Table 1 have been made. The new subtotal for restoration and reclamation is $8,663,571, or a $1,402,419 reduction in direct costs from that calculated by WDEQ-LQD (April 3, 2003 review of Annual Report). With the 34.5% contingency, this provides a new Grand Total restoration and reclamation cost of $11,652,503. This is an overall $1,886,254 reduction

from the LQD April 3, 2003 estimate. We respectfully request that DEQ approve the bond reduction.

9. **ADDITIONAL INFORMATION AS REQUESTED BY THE DIVISION:**

a),b) COGEMA received no notices of violation or orders during this report period.

c) No permit stipulations occurred during the report period.

d) Other:
The following additional information is provided to meet the reporting requirements of Section 5.10.1.1 & 5.10.1.2, of the 1996 Permit No. 478 Update Application.

1) General Location Maps showing the locations of monitor wells and well fields in conjunction with past mining activities, are located in Appendix 4. Groundwater Restoration Maps showing the areas where groundwater restoration is in progress or completed, are located in Appendix 5.

2) The following groundwater restoration volumes were calculated for the report period from totalizing flowmeters:

Gallons Recovered		Gallons Injected
Iigaray:	0	0
hristensen:	506,250	398,534

2003 monthly groundwater restoration volume data for CR are listed in Table 5 of Appendix 1. No restoration volume data is given for the IR project, since restoration activities ceased there in October 2001.

3) Water quality monitoring data were previously provided in Section 7. a).

Pezometric maps of the monitored aquifers for IR and CR are included in Appendix 6. For the IR project these include: the shallow zone, coal zone, ore zone, and deep zone. For the CR project they include: the shallow zone, ore zone and deep zone. The maps were constructed using water level data from monitor wells and production wells where applicable. This data was collected during May and June 2003.

5) Mechanical well integrity testing (MIT) results are reported to the WDEQ by phone on a quarterly basis. No MIT's were conducted during this report period.

DRILL HOLES AND ABANDONED WELLS:

No drill holes were completed or abandoned for exploration or mine expansion purposes, and no cased wells were plugged and abandoned during this report period.

APPENDIX 1

Tables

Table 1 - Ranch Wells Regional Groundwater

Table 2 - Surface Water Annual Samples

Table 3 - Surface Discharge Samples

Table 4 - Evaporation Pond Samples

Table 5 - CR Groundwater Restoration Volumes

Table 1

COGEMA Mining, Inc. - Irigaray and Christensen Ranch Projects
2003 Annual Report
Sample Type: Regional Groundwater (Ranch Wells) - Annual Samples

Sample Location: Christensen Ranch House #3

Radionuclide	May 28, 2003 (uCi/ml)
Uranium	1.6^{E-8}
Thorium-230	ND
Radium-226	1.7^{E-9}
Lead-210	ND
Polonium-210	3.1^{E-9}

Sample Location: Christensen Middle Artesian

Radionuclide	May 28, 2003 (uCi/ml)
Uranium	ND
Thorium-230	ND
Radium-226	$.3^{E-9}$
Lead-210	ND
Polonium-210	ND

Sample Location: Christensen Ellendale #4

Radionuclide	May 28, 2003 (uCi/ml)
Uranium	ND
Thorium-230	ND
Radium-226	$.2^{E-9}$
Lead-210	ND
Polonium-210	ND

Sample Location: Christensen Del Gulch Lower #13

Radionuclide	May 28, 2003 (uCi/ml)
Uranium	ND
Thorium-230	ND
Radium-226	ND
Lead-210	ND
Polonium-210	ND

Sample Location: Christensen Willow Corral #32

Radionuclide	May 28, 2003 (uCi/ml)
Uranium	ND
Thorium-230	ND
Radium-226	ND
Lead-210	ND
Polonium-210	ND

Sample Location: Christensen First Artesian Well #1

Radionuclide	May, 2003 (uCi/ml)
Uranium	Not Available
Thorium-230	Pump Down
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Irigaray Willow # 2

Radionuclide	May 28, 2003 (uCi/ml)
Uranium	ND
Thorium-230	ND
Radium-226	$.7^{E-9}$
Lead-210	ND
Polonium-210	ND

LLD (uCi/ml)	
2.0^{E-9}	Uranium
0.2^{E-9}	Thorium-230
0.2^{E-9}	Radium-226
2.7^{E-9}	Lead-210
2.7^{E-9}	Polonium-210

ND = NON DETECTABLE

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TABLE 2 (Page 1 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects
2003 Annual Report
Sample Type: Surface Water, Annual Samples, May 28, 2003
Sample Location: Irigaray Project

Note: ND = Non Detectable

Radionuclide	Willow Creek IR-9 Downstream (uCi/ml)	Willow Creek IR-14 Upstream (uCi/ml)	Willow Creek IR-17 Mine Site (uCi/ml)	Powder River IR-5 Ranch Site (uCi/ml)	LLD (uCi/ml)	10 CFR 20 Appendix B Effluent Limit (uCi/ml)
Uranium)	no sample	28.1 E-9	20.3 E-9	3.9 E-9	0.2 E-9	3.0 E-07
Thorium-230	no flow	ND	ND	ND	0.2 E-9	1.0 E-07
Radium-226		.2 E-9	.2 E-9	.4 E-9	0.2 E-9	6.0 E-08
Lead-210		ND	ND	ND	2.7 E-9	1.0 E-08
Polonium-210		ND	ND	ND	2.7 E-9	4.0 E-08
Chemical Parameters						
Total Alkalinity mg/L		170	163	136	1.0	N/A
Chloride mg/L		39	42.3	106	1.0	N/A
TDS mg/L		4130	3900	996	10	N/A
Specific Conductivity umhos/cm		4380	4630	1460	1.0	N/A
Sulfate mg/L		2180	2420	470	6	N/A
pH s.u.		7.87	7.67	7.82	0.01	N/A
Arsenic mg/L		0.001	ND	0.002	0.001	N/A
Selenium mg/L		ND	0.003	0.003	0.001	N/A
Estimated Flow Rate:	no flow	Low	Low	Low		

Low = <5 cfs
Medium = 5 - 50 cfs
High = > 50 cfs

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TABLE 2 (Page 2 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects
2003 Annual Report
Sample Type: Surface Water, Annual Samples, May 28, 2003
Sample Location: Christensen Ranch Project

Note: ND = Non Detectable

Radionuclide	Willow Creek GS-01 Downstream (uCi/ml)	Willow Creek CG-05 Upstream (uCi/ml)	Willow Creek GS-03 Mine Site (uCi/ml)	LLD (uCi/ml)	10 CFR 20 Appendix B Effluent Limit (uCi/ml)
Uranium	41.8 E-9	9.3 E-9	49.3 E-9	0.2 E-9	3.0 E-07
Thorium-230	ND	ND	ND	0.2 E-9	1.0 E-07
Radium-226	.5 E-9	.3 E-9	.6 E-9	0.2 E-9	6.0 E-08
Lead-210	ND	ND	ND	2.7 E-9	1.0 E-08
Polonium-210	ND	ND	ND	2.7 E-9	4.0 E-08
Chemical Parameters					
Total Alkalinity mg/L	312	286	277	1.0	N/A
Chloride mg/L	54.2	6.2	39	1.0	N/A
TDS mg/L	3710	2200	3880	10	N/A
Specific Conductivity umhos/cm	6190	2780	5070	1.0	N/A
Sulfate mg/L	2870	1300	2540	30	N/A
pH s.u.	7.67	7.91	7.84	0.01	N/A
Arsenic mg/L	0.003	0.004	0.002	0.002	N/A
Selenium mg/L	ND	ND	0.005	0.005	N/A
Estimated Flow Rate:	Low	Low	Low		

Low = <5 cfs
Medium = 5 - 50 cfs
High = > 50 cfs

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TABLE

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects
2003 Annual Report
Sample Type: Surface Discharge Water
Sample Location: Christensen Ranch Project, Discharge # 002 (Permit # WY0033642)

Year 2003	January	February	March	April	May	June	July	August	September	October	November	December	Discharge Limits Average	Discharge Limits Maximum
Flow (MGD) average	0.034	ND	ND	ND	ND	ND							0.45	NA
Total Uranium as U (mg/l) monthly sample	0.0003	ND	ND	ND	ND	ND							2	4
Dissolved Radium-226 (pCi/l) monthly sample	0.8	ND	ND	ND	ND	ND							3	10
Total Radium-226 (pCi/l) monthly sample	< 0.2	ND	ND	ND	ND	ND							10	30
Total Suspended Solids (mg/l) weekly samples maximum	2.5	ND	ND	ND	ND	ND							20	30
Chemical Oxygen Demand (mg/l) quarterly sample	27	ND	ND	ND	ND	ND							100	200
Total Zinc (mg/l) quarterly sample	0.005	ND	ND	ND	ND	ND							0.5	1.0
pH (units) minimum weekly samples maximum	6.7 6.9	ND	ND	ND	ND	ND							6.0 minimum	9.0 maximum
Selenium (mg/l) quarterly sample	0.002	ND	ND	ND	ND	ND							0.05	0.1
Total Uranium (uCi/ml) quarterly sample	0.2 E-9	ND	ND	ND	ND	ND							3E-07*	
Total Radium 226 (uCi/ml) quarterly sample	< 0.2 E-9	ND	ND	ND	ND	ND							6E-08*	
Total Thorium-230 (uCi/ml) quarterly sample	< 0.2 E-9	ND	ND	ND	ND	ND							1E-07*	
Total Lead-210 (uCi/ml) quarterly sample	< 2.7 E-9	ND	ND	ND	ND	ND							1E-08*	
Total Polonium-210 (uCi/ml) quarterly sample	3.7 E-9 +/- 1.5	ND	ND	ND	ND	ND							4E-08*	

NA - Not Applicable ND - No Discharge J:\EXCEL\A-TABLES\2003\SUR-DIS.XLS
* 10 CFR 20, Appendix B, Table II, Column II Effluent Limitations

TABLE 4

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects
2003 Annual Report
Sample Type: Waste Ponds (quarterly)
Sample Date: February 2003 - No samples, ponds frozen

NOTE: ND=NON DETECTABLE

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)				
Chloride (mg/l)				
NH4 as N (mg/l)				
NO3 & NO2 as N (mg/l)				
TDS (mg/l)				
Conductivity				
pH				
Zinc (mg/l)				
Uranium (mg/l)				
Radium 226 (pCi/l)				

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)				
Chloride (mg/l)				
NH4 as N (mg/l)				
NO3 & NO2 as N (mg/l)				
TDS (mg/l)				
Conductivity				
pH				
Zinc (mg/l)				
Uranium (mg/l)				
Radium 226 (pCi/l)				

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)				
Chloride (mg/l)				
NH4 as N (mg/l)				
NO3 & NO2 as N (mg/l)				
TDS (mg/l)				
Conductivity				
pH				
Zinc (mg/l)				
Uranium (mg/l)				
Radium 226 (pCi/l)				

TABLE 4 (Page 2 of 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects
2003 Annual Report
Sample Type: Waste Ponds (quarterly)
Sample Date: May 22, 2003 Note: February 2003 - No samples, ponds frozen

NOTE. ND = NON DETECTABLE

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)	28,500	32,000	26,900	34,200
Chloride (mg/l)	177,000	183,000	180,000	175,000
NH4 as N (mg/l)	4.4	4.3	5.7	4.8
NO3 & NO2 as N (mg/l)	0.5	0.6	0.9	0.5
TDS (mg/l)	350,000	348,000	324,000	328,000
Conductivity	621,000	611,000	614,000	609,000
pH	3.56	7.62	8.3	8.4
Zinc (mg/l)	0.036	0.1	0.24	0.09
Uranium (mg/l)	248	1040	101	286
Radium 226 (pCi/l)	41	144	37.7	65.3

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1perm.
Sulfate (mg/l)	18,300	16,600	16,800	10
Chloride (mg/l)	153,000	3,170	4,870	2
NH4 as N (mg/l)	3.2	0.45	0.53	0.05
NO3 & NO2 as N (mg/l)	0.6	0.2	ND	ND
TDS (mg/l)	261,000	31,200	36,500	140
Conductivity	490,000	33,900	40,000	170
pH	8.46	9.24	9.53	7.82
Zinc (mg/l)	0.11	0.08	0.13	0.003
Uranium (mg/l)	166	69.7	71.4	0.002
Radium 226 (pCi/l)	77.2	44	1.1	ND

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	1,250	5,280	3,010	4,040
Chloride (mg/l)	261	571	381	353
NH4 as N (mg/l)	2.32	0.45	0.26	0.19
NO3 & NO2 as N (mg/l)	0.1	ND	ND	ND
TDS (mg/l)	3,030	21,300	6,550	8,660
Conductivity	4,470	13,300	8,720	11,000
pH	8.88	9.31	8.73	8.79
Zinc (mg/l)	0.018	0.013	0.011	0.002
Uranium (mg/l)	14.5	10.9	9.69	0.389
Radium 226 (pCi/l)	70.1	61.4	70	127

TABLE 4 (Page 3 of 4)

COGEMA Mining, Inc. – Irigaray and Christensen Ranch Projects
)02 Annual Report
Sample Type: Waste Ponds (quarterly)
Sample Date: August 28, 2002

NOTE: ND= NON DETECTABLE

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)	15,200	15,300	16,500	16,400
Chloride (mg/l)	66,900	120,000	55,200	113,000
NH4 as N (mg/l)	1.7	3.8	1.2	2.16
NO3 & NO2 as N (mg/l)	0.33	0.82	0.36	0.4
TDS (mg/l)	132,000	226,000	107,000	180,000
Conductivity	399,000	554,000	138,000	118,000
pH	8.6	8.3	8.8	8.6
Zinc (mg/l)	0.047	0.056	0.047	0.03
Uranium (mg/l)	66.2	63.9	463	95.4
Radium 226 (pCi/l)	13.1	21.5	32	26.4

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)	22,500	12,500	4,750	533
Chloride (mg/l)	95,200	2,630	1,790	371
NH4 as N (mg/l)	1.7	0.62	0.25	0.33
NO3 & NO2 as N (mg/l)	0.32	< 0.1	0.39	< 0.1
TDS (mg/l)	173,000	25,800	12,600	2,190
Conductivity	657,000	82,700	25,400	3,250
pH	8.6	9	9.5	9
Zinc (mg/l)	0.042	0.042	0.037	0.113
Uranium (mg/l)	146	57.3	28.2	19.2
Radium 226 (pCi/l)	106	34.7	3.5	43.3

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	533	4,240	2,750	3,640
Chloride (mg/l)	371	605	533	380
NH4 as N (mg/l)	0.33	1.31	4.88	0.06
NO3 & NO2 as N (mg/l)	< 0.1	< 0.1	< 0.1	< 0.1
TDS (mg/l)	2,190	10,400	7,120	8,280
Conductivity	3,250	17,800	11,700	10,600
pH	9	9.3	9	9.1
Zinc (mg/l)	0.113	0.058	.01+E12+E29+	< 0.01
Uranium (mg/l)	19.2	13.8	3.9	4.55
Radium 226 (pCi/l)	43.3	62.5	24.9	15

TABLE 4 (Page 4 of 4)

COGEMA Mining, Inc. – Irigaray and Christensen Ranch Projects
2002 Annual Report
Sample Type: Waste Ponds (quarterly)
Sample Date: November 7 & 22, 2002

NOTE: ND=NON DETECTABLE

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)	11,400	12,800	11,400	11,900
Chloride (mg/l)	191,000	186,000	201,000	191,000
NH4 as N (mg/l)	4.29	3.42	7.58	3.62
NO3 & NO2 as N (mg/l)	0.3	0.2	1	0.4
TDS (mg/l)	234,000	243,000	220,000	185,000
Conductivity	411,000	429,000	149,000	149,000
pH	8.2	8.3	8.2	8.3
Zinc (mg/l)	0.131	0.106	0.165	15.8
Uranium (mg/l)	286	231	163	394
Radium 226 (pCi/l)	54.5	130	56.6	84.8

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)	11,400	16,300	18,900	5
Chloride (mg/l)	167,000	3,680	6,250	< 1.0
NH4 as N (mg/l)	2.68	0.4	0.69	< 0.05
NO3 & NO2 as N (mg/l)	0.3	< 0.1	< 0.1	< 0.1
TDS (mg/l)	183,000	34,800	45,300	67
Conductivity	295,000	37,700	48,900	118
pH	8.4	9.1	9.4	7.4
Zinc (mg/l)	0.132	0.032	0.03	0.008
Uranium (mg/l)	254	68.8	94.5	0.0006
Radium 226 (pCi/l)	60.2	19	4.2	< 0.2

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	546	5,410	3,130	4,600
Chloride (mg/l)	457	712	529	458
NH4 as N (mg/l)	0.32	0.48	0.64	0.19
NO3 & NO2 as N (mg/l)	< 0.1	< 0.1	< 0.1	< 0.1
TDS (mg/l)	2,220	11,600	7,230	9,970
Conductivity	3,450	33,000	14,900	23,100
pH	9	9.3	8.7	9
Zinc (mg/l)	0.026	0.011	0.01	0.011
Uranium (mg/l)	11.9	10.6	11.9	4.77
Radium 226 (pCi/l)	144	55.3	31.8	18

TABLE 5

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects
2003 Annual Report

Christensen Ranch Project
Groundwater Restoration Volumes (Mine Units 2, 3, 4, 5, & 6)

Year 2003 Month	Gallons Injected (thousands)	Gallons Recovered (thousands)	Average Recovery Flow Rate (gpm)
January	31,557	39,133	978
February	25,535	38,302	950
March	34,903	46,611	952
April	32,733	40,697	1,009
May	32,941	40,227	998
June	40,845	50,350	999
July	32,245	40,932	1,015
August			
September			
October			
November			
December			
Total	230,759	296,252	986 (ave. - 7 months)

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APPENDIX 2

Monitor and Trend Well Sampling Data

Monitor Wells

Perimeter Ore Zone

Well No.	Location	Page No.	Well No.	Location	Page No.
M2	Mine Unit 2	1	M27	Mine Unit 7	12
M4	Mine Unit 2	2	M28	Mine Unit 8	13
M7	Mine Unit 1	3	M29	Mine Unit 8	14
M10	Mine Unit 4	4	M30	Mine Unit 9	15
M17	Mine Unit 1	5	M31	Mine Unit 9	16
M18	Mine Unit 1	6	M32	Mine Unit 9	17
M19	Mine Unit 3	7	M33	Mine Unit 9	18
M23	Mine Unit 5	8	T31	Mine Unit 1	19
M24	Mine Unit 6	9	RS27	Mine Unit 5	20
M25	Mine Unit 6	10	16-151	Mine Unit 9	21
M26	Mine Unit 7	11			

Shallow Sand

SSM2	Mine Unit 1	22	SSM19	Mine Unit 8	33
SSM3	Mine Unit 2	23	SSM34	Mine Unit 9	34
SSM4	Mine Unit 2	24	SSM35	Mine Unit 9	35
SSM5	Mine Unit 3	25	SSM36	Mine Unit 9	36
SSM6	Mine Unit 4	26	SSM37	Mine Unit 7	37
SSM7	Mine Unit 5	27	SSM38	Mine Unit 7	38
SSM8	Mine Unit 5	28	SSM39	Mine Unit 7	39
SSM9	Mine Unit 6	29	SSM40	Mine Unit 8	40
SSM10	Mine Unit 6	30	SSM41	Mine Unit 4	41
SSM11	Mine Unit 6	31	SSM42	Mine Unit 3	42
SSM18	Mine Unit 8	32	SSM43	Mine Unit 1	43

Deep Sand

DM1	Mine Unit 1	44	DM14	Mine Unit 8	53
DM2	Mine Unit 1	45	DM15	Mine Unit 9	54
DM3	Mine Unit 2	46	DM16	Mine Unit 9	55
DM4	Mine Unit 4	47	DM17	Mine Unit 5	56
DM5	Mine Unit 2	48	DM18	Mine Unit 4	57
DM9	Mine Unit 5	49	DM19	Mine Unit 3	58
DM10	Mine Unit 6	50	DM20	Mine Unit 3	59
DM11	Mine Unit 7	51	DM21	Mine Unit 7	60
DM13	Mine Unit 8	52	DM22	Mine Unit 6	61

Monitor Wells

Perimeter Ore Zone					
Well No.	Location	Page No.	Well No.	Location	Page No.
MW17-2	Mine Unit 3	62	MW87	Mine Unit 2	104
MW18	Mine Unit 3	63	MW88	Mine Unit 2	105
MW19	Mine Unit 3	64	MW89	Mine Unit 2	106
MW20	Mine Unit 3	65	MW90	Mine Unit 2	107
MW23	Mine Unit 3	66	MW101	Mine Unit 2	108
MW24	Mine Unit 3	67	MW102	Mine Unit 2	109
MW25	Mine Unit 3	68	MW103	Mine Unit 2	110
MW26	Mine Unit 3	69	MW104	Mine Unit 2	111
MW27	Mine Unit 3	70	MW105	Mine Unit 2	112
MW28	Mine Unit 3	71	MW106	Mine Unit 2	113
MW29	Mine Unit 3	72	MW107	Mine Unit 2	114
MW30	Mine Unit 3	73	MW108	Mine Unit 2	115
MW31	Mine Unit 3	74	MW109	Mine Unit 2	116
MW32	Mine Unit 3	75	MW110	Mine Unit 2	117
MW35	Mine Unit 3	76	MW111	Mine Unit 2	118
MW36	Mine Unit 3	77	MW114	Mine Unit 3	119
MW37	Mine Unit 3	78	MW115	Mine Unit 3	120
MW38	Mine Unit 3	79	MW116	Mine Unit 3	121
MW39	Mine Unit 3	80	4MW-1	Mine Unit 4	122
MW40	Mine Unit 3	81	4MW-2	Mine Unit 4	123
MW41	Mine Unit 3	82	4MW-3	Mine Unit 4	124
MW42	Mine Unit 3	83	4MW-4	Mine Unit 4	125
MW43	Mine Unit 3	84	4MW-5	Mine Unit 4	126
MW44	Mine Unit 3	85	4MW-6	Mine Unit 4	127
MW45	Mine Unit 3	86	4MW-7	Mine Unit 4	128
MW62	Mine Unit 3	87	4MW-8	Mine Unit 4	129
MW63	Mine Unit 3	88	4MW-9	Mine Unit 4	130
MW64	Mine Unit 3	89	4MW-10	Mine Unit 4	131
MW73	Mine Unit 2	90	4MW-11	Mine Unit 4	132
MW74	Mine Unit 2	91	4MW-12	Mine Unit 4	133
MW75	Mine Unit 2	92	4MW-13	Mine Unit 4	134
MW76	Mine Unit 2	93	4MW-14	Mine Unit 4	135
MW77	Mine Unit 2	94	4MW-15	Mine Unit 4	136
MW78	Mine Unit 2	95	4MW-16	Mine Unit 4	137
MW79	Mine Unit 2	96	4MW-17	Mine Unit 4	138
MW80	Mine Unit 2	97	4MW-18	Mine Unit 4	139
MW81	Mine Unit 2	98	4MW-19	Mine Unit 4	140
MW82	Mine Unit 2	99	4MW-20	Mine Unit 4	141
MW83	Mine Unit 2	100	4MW-21	Mine Unit 4	142
MW84	Mine Unit 2	101	4MW-22	Mine Unit 4	143
MW85	Mine Unit 2	102	4MW-23	Mine Unit 4	144
MW86	Mine Unit 2	103	4MW-24	Mine Unit 4	145

Monitor Wells

Perimeter Ore Zone (cont.)					
Well No.	Location	Page No.	Well No.	Location	Page No.
4MW-25	Mine Unit 4	146	5MW57	Mine Unit 5	188
5MW1	Mine Unit 5	147	5MW58	Mine Unit 5	189
5MW2	Mine Unit 5	148	5MW59	Mine Unit 5	190
5MW3	Mine Unit 5	149	5MW60	Mine Unit 5	191
5MW4	Mine Unit 5	150	5MW61	Mine Unit 5	192
5MW5	Mine Unit 5	151	5MW62	Mine Unit 5	193
5MW6	Mine Unit 5	152	5MW63	Mine Unit 5	194
5MW7	Mine Unit 5	153	5MW64	Mine Unit 5	195
5MW8	Mine Unit 5	154	5MW65	Mine Unit 5	196
5MW10	Mine Unit 5	155	5MW66	Mine Unit 5	197
5MW12	Mine Unit 5	156	5MW67	Mine Unit 5	198
5MW14	Mine Unit 5	157	5MW69	Mine Unit 5	199
5MW16	Mine Unit 5	158	6MW17-2	Mine Unit 6	200
5MW18	Mine Unit 5	159	6MW19	Mine Unit 6	201
5MW20	Mine Unit 5	160	6MW21	Mine Unit 6	202
5MW30A	Mine Unit 5	161	6MW23	Mine Unit 6	203
5MW31	Mine Unit 5	162	6MW25	Mine Unit 6	204
5MW32A	Mine Unit 5	163	6MW27	Mine Unit 6	205
5MW33	Mine Unit 5	164	6MW29	Mine Unit 6	206
5MW34	Mine Unit 5	165	6MW31	Mine Unit 6	207
5MW35A	Mine Unit 5	166	6MW33	Mine Unit 6	208
5MW36	Mine Unit 5	167	6MW34	Mine Unit 6	209
5MW37	Mine Unit 5	168	6MW35	Mine Unit 6	210
5MW38	Mine Unit 5	169	6MW36	Mine Unit 6	211
5MW39A	Mine Unit 5	170	6MW37	Mine Unit 6	212
5MW40	Mine Unit 5	171	6MW38	Mine Unit 6	213
5MW41A	Mine Unit 5	172	6MW39	Mine Unit 6	214
5MW42	Mine Unit 5	173	6MW40	Mine Unit 6	215
5MW43	Mine Unit 5	174	6MW41	Mine Unit 6	216
5MW44	Mine Unit 5	175	6MW42	Mine Unit 6	217
5MW45	Mine Unit 5	176	6MW43	Mine Unit 6	218
5MW46	Mine Unit 5	177	6MW44	Mine Unit 6	219
5MW47B	Mine Unit 5	178	6MW45	Mine Unit 6	220
5MW48	Mine Unit 5	179	6MW46	Mine Unit 6	221
5MW49	Mine Unit 5	180	6MW47	Mine Unit 6	222
5MW50	Mine Unit 5	181	6MW48-3	Mine Unit 6	223
5MW51	Mine Unit 5	182	6MW49	Mine Unit 6	224
5MW52	Mine Unit 5	183	6MW50	Mine Unit 6	225
5MW53	Mine Unit 5	184	6MW51	Mine Unit 6	226
5MW54	Mine Unit 5	185	6MW52	Mine Unit 6	227
5MW55	Mine Unit 5	186	6MW53	Mine Unit 6	228
5MW56	Mine Unit 5	187	6MW54	Mine Unit 6	229

Monitor Wells

Shallow Sand					
Well No.	Location	Page No.	Well No.	Location	Page No.
MW-11S	Mine Unit 5	230	4SRM-07	Mine Unit 4	252
MW46S	Mine Unit 3	231	5SM1	Mine Unit 5	253
MW48S	Mine Unit 3	232	5SM2	Mine Unit 5	254
MW50S	Mine Unit 3	233	5SM3	Mine Unit 5	255
MW52S	Mine Unit 3	234	5SM5	Mine Unit 5	256
MW54S	Mine Unit 3	235	5SM6	Mine Unit 5	257
MW56S	Mine Unit 3	236	5SM7	Mine Unit 5	258
MW58S	Mine Unit 3	237	WCOW-04	Mine Unit 5	259
MW66S-2	Mine Unit 3	238	6SM1	Mine Unit 6	260
MW68S	Mine Unit 2	239	6SM2	Mine Unit 6	261
MW70S	Mine Unit 2	240	6SM3	Mine Unit 6	262
MW72S	Mine Unit 2	241	6SM4	Mine Unit 6	263
MW92S	Mine Unit 2	242	6SM5	Mine Unit 6	264
MW94S	Mine Unit 2	243	6SM6	Mine Unit 6	265
MW96S	Mine Unit 2	244	6SM7	Mine Unit 6	266
MW98S	Mine Unit 2	245	6SM8	Mine Unit 6	267
MW100S	Mine Unit 2	246	6SM9	Mine Unit 6	268
MW112S	Mine Unit 2	247	6SM10	Mine Unit 6	269
MW117S	Mine Unit 2	248	6SM11	Mine Unit 6	270
4SM-1	Mine Unit 4	249	6SM12	Mine Unit 6	271
4SM-4	Mine Unit 4	250	6SM13	Mine Unit 6	272
4SM-8	Mine Unit 4	251	6SM14	Mine Unit 6	273

Monitor Wells

Deep Sand

Well No.	Location	Page No.	Well No.	Location	Page No.
MW-12D	Mine Unit 5	274	5DM1A	Mine Unit 5	296
MW45D	Mine Unit 3	275	5DM2	Mine Unit 5	297
MW47D	Mine Unit 3	276	5DM3	Mine Unit 5	298
MW49D	Mine Unit 3	277	5DM4	Mine Unit 5	299
MW51D	Mine Unit 3	278	5DM5	Mine Unit 5	300
MW53D	Mine Unit 3	279	5DM7	Mine Unit 5	301
MW55D	Mine Unit 3	280	WCOW-37D	Mine Unit 5	302
MW57D	Mine Unit 3	281	6DM1	Mine Unit 6	303
MW65D	Mine Unit 3	282	6DM2	Mine Unit 6	304
MW67D	Mine Unit 2	283	6DM3-2	Mine Unit 6	305
MW69D	Mine Unit 2	284	6DM4-2	Mine Unit 6	306
MW71D	Mine Unit 2	285	6DM5	Mine Unit 6	307
MW91D	Mine Unit 2	286	6DM6	Mine Unit 6	308
MW93D	Mine Unit 2	287	6DM7	Mine Unit 6	309
MW95D	Mine Unit 2	288	6DM8	Mine Unit 6	310
MW97D	Mine Unit 2	289	6DM9	Mine Unit 6	311
MW99D	Mine Unit 2	290	6DM10	Mine Unit 6	312
MW113D	Mine Unit 2	291	6DM11	Mine Unit 6	313
4DM-1	Mine Unit 4	292	6DM12	Mine Unit 6	314
4DM-4	Mine Unit 4	293	6DM13	Mine Unit 6	315
4DM-8	Mine Unit 4	294	6DM14	Mine Unit 6	316
4DRM-07	Mine Unit 4	295			

Trend Wells

Perimeter Ore Zone

Well No.	Location	Page No.	Well No.	Location	Page No.
MW78T	Mine Unit2	317	6TW2	Mine Unit 6	321
MW87T	Mine Unit2	318	6TW3	Mine Unit 6	322
5TW-1	Mine Unit 5	319	6TW4	Mine Unit 6	323
6TW-1	Mine Unit 6	320	6TW5	Mine Unit 6	324

Deep Sand

5DM8T	Mine Unit 5	325	6DT1	Mine Unit 6	327
5DM9T	Mine Unit 5	326			

IRIGARAY PROJECT

5I7 and USMT Sites

Monitor Wells

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Well No.	Location	Zone	Well No.	Location	Zone
M-219	USMT Site	Ore Zone	M-1	5I7 Site	Ore
M-220	USMT Site	Ore Zone	NM-3	5I7 Site	Ore
M-221	USMT Site	Ore Zone	M-4	5I7 Site	Ore
			SM-1	5I7 Site	Shallow

Monitor and Trend Well Index Irigaray Project

Trend Wells

Interior Coal Zone					
Well No.	Location	Page No.	Well No.	Location	Page No.
RS19	Mine Unit 3	62	SM1	Mine Unit 1	65
RS34	Mine Unit 2	63	SM2	Mine Unit 1	66
RS39	Mine Unit 3	64	SM7	Mine Unit 2	67

IRIGARAY PROJECT

Perimeter Ore Zone Monitor Wells

NRCDEQ2REP

Mine Unit 2

Well I.D. M2

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	18	685	131.1			
Date						
26 AUG 2002	15.9	812 *	90.9	8.5		4293.5
02 DEC 2002	15.9	795 *	93.5	8.6		4296.9
03 MAR 2003	15.7	783 *	91.3	8.6		4298.2
23 JUN 2003	15.8	809 *	81.7	8.6		4298.9

* Values Exceed Upper Control Limit

M2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. M4

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance		Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm		mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	18.1	671		100.4			
Date							
26 AUG 2002	11.1	1081	*	86.2	8.5		4305.0
25 NOV 2002	10.9	1061	*	84.5	8.5		4307.5
25 MAR 2003	10.5	1034	*	81.2	8.4		4309.0
23 JUN 2003	10.6	1049	*	73.5	8.5		4310.0

* Values Exceed Upper Control Limit

M4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 1

Well I.D. M7

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17.5	679	109.8			
Date						
26 AUG 2002	11.3	1925 *	91.7	8.0		4305.1
25 NOV 2002	12.5	1888 *	98.1	8.1		4307.5
03 MAR 2003	11.6	1859 *	88.4	8.0		4309.0
23 JUN 2003	11.5	1836 *	78.0	8.1		4309.6

* Values Exceed Upper Control Limit

M7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. M10

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17.5	701	132.3			
Date						
26 AUG 2002	13.5	629	105.6	8.7		4297.5
02 DEC 2002	14.0	621	110.7	8.7		4297.5
03 MAR 2003	12.9	608	102.2	8.7		4302.0
23 JUN 2003	13.1	622	94.2	8.7		4295.9

* Values Exceed Upper Control Limit

M10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 1

Well I.D. M17

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17.1	724	112.9			
Date						
26 AUG 2002	10.1	651	91.4	8.6		4299.8
25 NOV 2002	10.3	651	89.5	8.7		4302.6
03 MAR 2003	10.1	649	90.3	8.6		4303.6
23 JUN 2003	9.9	654	81.5	8.6		4304.1

* Values Exceed Upper Control Limit

M17

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 1

IRIGARAY RANCH

Well I.D. M18

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17	719	111.7			
Date						
26 AUG 2002	10.6	1184 *	85.4	8.3		4305.8
25 NOV 2002	11.0	1123 *	87.9	8.4		4308.0
03 MAR 2003	10.8	1099 *	87.4	8.3		4309.2
23 JUN 2003	10.6	1041 *	76.5	8.4		4309.8

* Values Exceed Upper Control Limit

M18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3

Well I.D. M19

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17	651	116.7			
Date						
26 AUG 2002	11.4	640	93.9	8.6		4306.0
25 NOV 2002	11.4	636	94.2	8.7		4308.6
03 MAR 2003	11.3	619	93.1	8.6		4310.0
23 JUN 2003	11.0	637	81.9	8.6		4311.0

* Values Exceed Upper Control Limit

M19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 5

IRIGARAY RANCH

Well I.D. M23

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17	614	106.6			
Date						
26 AUG 2002	10.5	591	97.8	8.8		4309.0
25 NOV 2002	11.4	584	103.0	8.8		4311.9
03 MAR 2003	11.2	557	105.1	8.8		4313.5
23 JUN 2003	10.0	567	91.9	8.9		4313.5

* Values Exceed Upper Control Limit

M23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. M24

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.5	632	119.4			
Date						
19 AUG 2002	9.2	509	114.6	8.7		4310.0
18 NOV 2002	9.3	498	118.3	8.9		4312.4
18 FEB 2003	9.2	504	113.3	8.9		4313.8
23 JUN 2003	8.9	506	102.1	8.8		4315.2

* Values Exceed Upper Control Limit

M24

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. M25

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.5	692	111.9			
Date						
19 AUG 2002	11.2	602	98.3	8.6		4302.0
18 NOV 2002	11.3	593	98.5	8.7		4304.7
18 FEB 2003	11.1	604	96.4	8.7		4306.4
23 JUN 2003	10.8	605	85.2	8.6		4307.6

* Values Exceed Upper Control Limit

M25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 7

Well I.D. M26

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.6	596	113.9			
Date						
19 AUG 2002	10.2	567	101.3	8.6		4307.8
18 NOV 2002	10.3	550	103.6	8.7		4310.5
18 FEB 2003	10.1	554	103.1	8.7		4312.0
23 JUN 2003	9.9	554	91.7	8.7		4313.0

* Values Exceed Upper Control Limit

M26

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 7

Well I.D. M27

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.2	625	105.8			
Date						
19 AUG 2002	11.1	605	97.6	8.4		4304.4
18 NOV 2002	11.2	597	98.0	8.6		4306.6
18 FEB 2003	11.5	607	100.8	8.7		4308.3
23 JUN 2003	10.8	609	85.8	8.6		4299.6

* Values Exceed Upper Control Limit

M27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 8

Well I.D. M28

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.5	715	110.9			
Date						
19 AUG 2002	11.0	625	95.3	8.6		4312.8
18 NOV 2002	11.7	616	99.6	8.7		4315.1
18 FEB 2003	11.3	627	95.7	8.7		4316.8
23 JUN 2003	11.0	629	83.9	8.7		4318.0

* Values Exceed Upper Control Limit

M28

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 8

Well I.D. M29

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.1	702	109.8			
Date						
19 AUG 2002	11.2	610	99.2	8.6		4310.0
18 NOV 2002	11.5	599	100.0	8.7		4312.5
18 FEB 2003	11.4	613	100.0	8.7		4314.3
23 JUN 2003	10.9	616	86.2	8.7		4315.9

* Values Exceed Upper Control Limit

M29

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 9

Well I.D. M30

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.2	704	105.5			
Date						
19 AUG 2002	11.5	625	98.8	8.6		4316.0
18 NOV 2002	11.2	613	97.1	8.7		4318.3
18 FEB 2003	11.4	620	98.5	8.7		4320.1
23 JUN 2003	10.6	629	82.3	8.7		4321.3

* Values Exceed Upper Control Limit

M30

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 9

IRIGARAY RANCH

Well I.D. M31

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	15.6	690	107.2				
Date							
19 AUG 2002	12.5	626	108.1	*	8.5		4312.4
18 NOV 2002	12.3	614	106.7		8.6		4315.0
18 FEB 2003	12.6	622	115.9	*	8.7		4316.9
23 JUN 2003	11.9	631	92.8		8.6		4318.3

* Values Exceed Upper Control Limit

M31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 9

Well I.D. M32

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.1	707	107.4			
Date						
19 AUG 2002	11.8	625	101.7	8.5		4318.4
18 NOV 2002	11.3	614	98.4	8.7		4320.5
18 FEB 2003	11.3	620	97.7	8.7		4322.6
23 JUN 2003	10.9	625	87.0	8.7		4323.8

* Values Exceed Upper Control Limit

M32

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 9

IRIGARAY RANCH

Well I.D. M33

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.9	686	112			
Date						
19 AUG 2002	11.4	613	99.0	8.5		4311.9
18 NOV 2002	11.5	601	100.2	8.6		4314.4
18 FEB 2003	11.5	607	102.4	8.7		4314.4
23 JUN 2003	11.0	617	85.9	8.7		4317.5

* Values Exceed Upper Control Limit

M33

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 1

Well I.D. T31

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.8	779	106.1			
Date						
26 AUG 2002	15.6	703	91.5	8.6		4291.7
02 DEC 2002	15.7	705	92.6	8.6		4294.8
03 MAR 2003	16.5	699	93.1	8.6		4295.9
23 JUN 2003	16.0	697	79.9	8.7		4296.4

* Values Exceed Upper Control Limit

T31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. RS27

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr. Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.9	646	101.2			
Date						
26 AUG 2002	11.5	652 *	98.1	8.6		4302.1
02 DEC 2002	11.5	644	98.5	8.6		4304.8
03 MAR 2003	11.9	625	99.1	8.6		4306.2
23 JUN 2003	12.3	641	84.9	8.6		4306.8

* Values Exceed Upper Control Limit

RS27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 9

Well I.D. 16-151

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16	702	110.2			
Date						
19 AUG 2002	11.0	601	95.2	8.6		4316.4
19 NOV 2002	11.0	598	95.1	8.7		4318.7
18 FEB 2003	10.9	601	93.2	8.7		4320.7
23 JUN 2003	11.0	598	83.4	8.7		4321.8

* Values Exceed Upper Control Limit

16-151

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY PROJECT

Interior Shallow Sand Monitor Wells

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 1

Well I.D. SSM2

2003

Water Quality Parameters	Chloride		Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20.3		2075	128.4			
Date							
16 SEP 2002	24.6	*	2011	114.0	8.1		4308.0
03 DEC 2002	24.9	*	2022	120.1	8.0		4308.7
25 MAR 2003	24.3	*	2015	113.0	8.0		4309.0
30 JUN 2003	23.4	*	1987	98.0	8.0		4310.0

* Values Exceed Upper Control Limit

SSM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. SSM3

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	38.5		1451		219.1			
Date								
02 JUL 2002	65.4	*	1922	*	148.9	7.9		4309.5
08 JUL 2002	64.3	*	1890	*	143.0	7.7		4309.8
16 JUL 2002	66.2	*	1906	*	147.7	7.7		4308.8
22 JUL 2002	65.3	*	1886	*	152.1	7.8		4310.4
29 JUL 2002	65.9	*	1897	*	152.2	7.9		4310.4
05 AUG 2002	65.0	*	1910	*	153.1	7.8		4310.6
14 AUG 2002	65.9	*	1887	*	159.5	7.8		4310.5
19 AUG 2002	65.9	*	1890	*	155.1	7.7		4310.7
26 AUG 2002	65.8	*	1901	*	154.7	7.8		4311.2
05 SEP 2002	61.7	*	1790	*	149.8	7.8		4320.9
09 SEP 2002	61.9	*	1836	*	154.8	7.6		4311.2
16 SEP 2002	64.9	*	1887	*	155.9	7.8		4311.5
23 SEP 2002	65.6	*	1879	*	162.2	7.7		4311.3
30 SEP 2002	64.5	*	1902	*	151.5	8.2		4310.1
07 OCT 2002	66.0	*	1888	*	157.9	7.7		4310.3
14 OCT 2002	64.8	*	1900	*	151.5	7.7		4310.4
21 OCT 2002	65.4	*	1901	*	155.7	7.8		4310.5
28 OCT 2002	65.6	*	1911	*	154.9	7.8		4310.8
04 NOV 2002	66.9	*	1896	*	159.4	7.9		4310.8
11 NOV 2002	66.2	*	1901	*	156.9	7.9		4310.9
19 NOV 2002	65.4	*	1915	*	152.4	7.9		4311.0
25 NOV 2002	67.8	*	1906	*	159.6	7.9		4311.0
02 DEC 2002	66.8	*	1915	*	156.0	7.9		4311.0
09 DEC 2002	66.6	*	1921	*	157.8	7.8		4311.0
16 DEC 2002	66.6	*	1937	*	159.2	7.8		4311.1
23 DEC 2002	63.7	*	1919	*	146.3	7.8		4311.0
30 DEC 2002	63.8	*	1917	*	146.9	7.8		4311.0
06 JAN 2003	67.2	*	1918	*	155.1	7.7		4311.1
13 JAN 2003	66.3	*	1932	*	151.6	7.8		4311.3
21 JAN 2003	66.5	*	1911	*	153.9	7.9		4311.2
27 JAN 2003	67.0	*	1925	*	155.2	7.8		4311.2
03 FEB 2003	66.1	*	1917	*	152.3	7.7		4311.5
10 FEB 2003	66.8	*	1905	*	154.0	7.9		4311.7
18 FEB 2003	66.3	*	1914	*	154.8	7.9		4311.7
24 FEB 2003	66.3	*	1920	*	149.8	7.8		4311.5
03 MAR 2003	67.1	*	1890	*	155.0	7.8		4311.7
11 MAR 2003	66.9	*	1904	*	152.8	7.8		4311.7
17 MAR 2003	67.3	*	1924	*	151.2	7.8		4311.0
25 MAR 2003	66.7	*	1906	*	151.4	7.9		4311.0
01 APR 2003	68.7	*	1945	*	158.5	7.9		4311.0
09 APR 2003	67.5	*	1925	*	151.8	7.9		4312.0
14 APR 2003	67.0	*	1931	*	148.8	7.7		4312.0
21 APR 2003	67.8	*	1918	*	150.5	7.7		4312.0
28 APR 2003	68.0	*	1915	*	155.6	7.9		4312.0
07 MAY 2003	67.0	*	1956	*	153.0	7.9		4312.0
12 MAY 2003	67.3	*	1986	*	151.4	7.8		4312.2
19 MAY 2003	67.6	*	1976	*	155.9	7.9		4312.1
27 MAY 2003	67.4	*	1970	*	148.0	7.8		4312.0
02 JUN 2003	66.2	*	1985	*	138.0	7.9		4312.0
10 JUN 2003	65.7	*	1962	*	134.3	7.9		4311.2
16 JUN 2003	67.0	*	1969	*	133.1	7.8		4312.0
26 JUN 2003	67.4	*	1942	*	134.4	7.8		4312.2
30 JUN 2003	68.8	*	1951	*	137.3	7.9		4312.0

* Values Exceed Upper Control Limit

SSM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. SSM4

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	23.5	883	275.5				
Date							
16 SEP 2002	18.4	701	274.6		8.4		4302.5
03 DEC 2002	21.2	694	280.4	*	8.2		4302.9
25 MAR 2003	18.9	686	285.3	*	8.6		4303.0
30 JUN 2003	17.8	704	259.9		8.3		4304.1

* Values Exceed Upper Control Limit

SSM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. SSM5

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.5	825	254.9			
Date						
16 SEP 2002	15.0	710	238.8	8.2		4310.1
04 DEC 2002	14.9	703	232.6	8.0		4311.0
25 MAR 2003	15.0	685	233.2	8.2		4312.0
30 JUN 2003	14.6	688	221.1	8.2		4312.7

* Values Exceed Upper Control Limit

SSM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. SSM6

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.3	2445	122.2			
Date						
16 SEP 2002	12.0	2052	100.8	8.0		4310.0
04 DEC 2002	11.8	2045	100.5	7.8		4311.0
24 MAR 2003	11.7	2033	97.4	7.9		4311.0
30 JUN 2003	11.7	2049	86.5	7.9		4312.2

* Values Exceed Upper Control Limit

SSM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 5

IRIGARAY RANCH

Well I.D. SSM7

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17.1	2604	119.4			
Date						
04 SEP 2002	13.4	2338	103.5	7.8		4310.6
04 DEC 2002	13.3	2321	102.0	7.7		4311.5
24 MAR 2003	13.0	2289	97.6	7.8		4312.0
30 JUN 2003	12.9	2304	86.9	7.8		4312.9

* Values Exceed Upper Control Limit

SSM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. SSM8

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.6	2389	112.2			
Date						
04 SEP 2002	23.9 *	2384	113.4 *	7.8		4310.2
05 SEP 2002	23.2 *	2316	111.7	7.8		4310.2
05 SEP 2002	20.3 *	2237	101.7	7.6		4310.2
02 DEC 2002	25.3 *	2405 *	120.1 *	7.9		4311.0
03 DEC 2002	22.1 *	2324	110.0	7.9		4311.0
03 DEC 2002	22.6 *	2274	102.1	7.9		4311.0
24 MAR 2003	24.3 *	2358	113.1 *	7.9		4311.0
25 MAR 2003	22.4 *	2279	110.6	7.9		4311.0
26 MAR 2003	23.0 *	2278	111.4	7.8		4311.0
30 JUN 2003	23.9 *	2375	105.5	7.9		4312.0

* Values Exceed Upper Control Limit

SSM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. SSM9

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15	2008	117.8			
Date						
03 SEP 2002	9.3	1531	98.7	7.9		4312.7
19 NOV 2002	9.2	1507	98.0	8.1		4312.5
24 MAR 2003	9.4	1519	97.4	7.9		4314.0
30 JUN 2003	9.4	1526	86.8	7.9		4314.8

* Values Exceed Upper Control Limit

SSM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. SSM10

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.5	1955	177.4			
Date						
16 SEP 2002	11.2	1557	108.9	8.1		4312.5
19 NOV 2002	11.3	1560	113.0	8.0		4313.2
24 MAR 2003	10.8	1557	107.0	7.9		4313.0
30 JUN 2003	10.7	1563	96.5	8.0		4314.6

* Values Exceed Upper Control Limit

SSM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

IRIGARAY RANCH

Well I.D. SSM11

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.2	2784	122.9			
Date						
03 SEP 2002	13.4	2438	92.2	7.9		4314.3
19 NOV 2002	13.2	2386	90.8	8.0		4314.8
24 MAR 2003	13.8	2424	88.8	7.8		4315.0
30 JUN 2003	13.7	2442	78.3	7.8		4316.3

* Values Exceed Upper Control Limit

SSM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 8

Well I.D. SSM18

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	14.7		1849		119.4				
Date									
02 JUL 2002	19.7	*	1885	*	155.2	*	7.8		4313.0
08 JUL 2002	17.7	*	1822		141.1	*	7.7		4313.0
16 JUL 2002	18.1	*	1849		143.9	*	7.8		4313.1
22 JUL 2002	18.4	*	1830		147.2	*	7.9		4313.1
29 JUL 2002	18.6	*	1848		147.3	*	8.0		4313.1
05 AUG 2002	19.0	*	1866	*	152.6	*	7.9		4313.1
14 AUG 2002	18.8	*	1855	*	154.1	*	7.8		4313.3
19 AUG 2002	19.0	*	1850	*	156.1	*	7.6		4313.3
26 AUG 2002	18.7	*	1868	*	151.1	*	7.7		4313.7
03 SEP 2002	17.6	*	1870	*	147.9	*	7.8		4312.8
09 SEP 2002	18.5	*	1852	*	149.7	*	7.6		4312.8
16 SEP 2002	18.9	*	1870	*	148.6	*	8.0		4314.0
23 SEP 2002	19.0	*	1872	*	152.5	*	7.9		4314.0
30 SEP 2002	19.6	*	1856	*	152.6	*	7.7		4314.0
07 OCT 2002	17.6	*	1838		141.1	*	7.8		4314.0
14 OCT 2002	18.0	*	1864	*	144.0	*	7.8		4314.0
21 OCT 2002	19.5	*	1907	*	152.2	*	7.8		4314.3
28 OCT 2002	19.7	*	1950	*	155.2	*	7.7		4314.3
04 NOV 2002	20.0	*	1913	*	159.1	*	7.8		4314.4
11 NOV 2002	20.2	*	1933	*	161.1	*	7.8		4314.3
19 NOV 2002	19.4	*	1927	*	154.6	*	7.8		4313.8
25 NOV 2002	18.9	*	1900	*	150.0	*	7.9		4314.5
02 DEC 2002	19.4	*	1915	*	152.7	*	7.9		4314.5
09 DEC 2002	18.9	*	1932	*	149.6	*	7.8		4314.6
16 DEC 2002	19.3	*	1936	*	154.2	*	7.7		4315.5
23 DEC 2002	18.3	*	1924	*	145.6	*	7.7		4314.8
30 DEC 2002	18.8	*	1964	*	149.1	*	7.8		4314.8
06 JAN 2003	19.3	*	1948	*	153.5	*	7.8		4314.9
13 JAN 2003	18.6	*	1922	*	148.2	*	7.8		4314.9
21 JAN 2003	19.0	*	1917	*	151.2	*	7.8		4315.0
27 JAN 2003	19.0	*	1915	*	150.8	*	7.8		4315.1
03 FEB 2003	19.1	*	1925	*	150.6	*	7.7		4315.2
10 FEB 2003	18.6	*	1920	*	147.2	*	7.8		4315.2
18 FEB 2003	19.2	*	1899	*	152.8	*	7.9		4314.4
24 FEB 2003	18.3	*	1908	*	145.2	*	7.8		4315.2
03 MAR 2003	19.3	*	1880	*	150.2	*	7.9		4315.4
10 MAR 2003	20.2	*	1929	*	158.7	*	7.8		4314.5
17 MAR 2003	19.7	*	1949	*	153.1	*	7.8		4314.0
24 MAR 2003	19.0	*	1934	*	149.9	*	7.9		4314.0
01 APR 2003	19.3	*	1967	*	150.0	*	7.9		4314.0
09 APR 2003	19.4	*	1921	*	152.9	*	7.8		4314.0
14 APR 2003	19.0	*	1950	*	151.0	*	7.8		4315.0
21 APR 2003	19.6	*	1964	*	150.3	*	7.7		4315.0
28 APR 2003	19.6	*	1941	*	153.5	*	7.9		4314.5
07 MAY 2003	19.0	*	1982	*	149.6	*	7.9		4315.8
12 MAY 2003	18.7	*	1969	*	146.7	*	7.9		4315.9
19 MAY 2003	18.8	*	1968	*	146.2	*	7.9		4314.9
27 MAY 2003	18.3	*	1992	*	140.7	*	7.7		4315.8
02 JUN 2003	19.3	*	2011	*	136.8	*	7.9		4315.6
10 JUN 2003	18.9	*	1977	*	133.1	*	8.0		4314.5
16 JUN 2003	19.0	*	1989	*	132.9	*	7.8		4315.7
26 JUN 2003	19.3	*	1968	*	133.2	*	7.8		4315.9
30 JUN 2003	18.9	*	1945	*	129.9	*	7.8		4315.6

* Values Exceed Upper Control Limit

SSM18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 8

Well I.D. SSM19

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	1636	114.1			
Date						
03 SEP 2002	9.0	1496	88.2	8.2		4314.0
18 NOV 2002	9.2	1477	90.3	8.2		4314.6
10 MAR 2003	8.9	1497	85.6	8.1		4315.1
30 JUN 2003	9.1	1509	77.2	8.2		4316.7

* Values Exceed Upper Control Limit

SSM19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 9

Well I.D. SSM34

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.2	1698	110.4			
Date						
03 SEP 2002	9.1	1254	92.9	8.1		4313.0
18 NOV 2002	9.2	1208	93.3	8.1		4314.0
10 MAR 2003	9.3	1214	92.8	8.1		4314.8
30 JUN 2003	9.1	1229	84.2	8.1		4315.2

* Values Exceed Upper Control Limit

SSM34

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 9

IRIGARAY RANCH

Well I.D. SSM35

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.4	1688	132.7			
Date						
03 SEP 2002	9.1	1312	104.9	8.2		4313.8
18 NOV 2002	9.4	1274	111.0	8.3		4314.0
10 MAR 2003	9.9	1291	111.7	8.2		4315.3
30 JUN 2003	9.5	1290	99.1	8.3		4316.0

* Values Exceed Upper Control Limit

SSM35

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 9

Well I.D. SSM36

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	1565	119.6			
Date						
03 SEP 2002	9.0	1301	107.1	8.4		4315.1
18 NOV 2002	9.4	1261	111.5	8.2		4315.9
10 MAR 2003	9.1	1298	106.0	8.1		4316.7
30 JUN 2003	9.2	1310	100.2	8.3		4317.2

* Values Exceed Upper Control Limit

SSM36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 7

IRIGARAY RANCH

Well I.D. SSM37

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.3	1813	120			
Date						
03 SEP 2002	10.7	1618	114.2	8.0		4309.7
19 NOV 2002	10.5	1551	114.0	8.1		4310.5
17 MAR 2003	10.4	1552	109.7	7.9		4311.0
30 JUN 2003	10.3	1539	97.0	8.0		4312.0

* Values Exceed Upper Control Limit

SSM37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 7

Well I.D. SSM38

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.2	2800	118.8			
Date						
03 SEP 2002	11.2	2187	97.9	7.9		4312.0
19 NOV 2002	11.3	2212	101.2	8.0		4312.7
17 MAR 2003	11.1	2224	97.2	7.8		4313.0
30 JUN 2003	11.1	2217	85.3	7.9		4314.1

* Values Exceed Upper Control Limit

SSM38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 7

IRIGARAY RANCH

Well I.D. SSM39

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	14.5	2071	104.4				
Date							
04 SEP 2002	12.7	1860	107.6	*	7.8		4309.8
19 NOV 2002	13.3	1819	111.7	*	7.9		4311.0
17 MAR 2003	12.4	1835	106.9	*	7.7		4312.0
30 JUN 2003	11.8	1841	98.6		7.9		4312.5

* Values Exceed Upper Control Limit

SSM39

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 8

Well I.D. SSM40

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.6		1672		109.2				
Date									
02 JUL 2002	14.3	*	1665		112.0	*	8.1		4314.7
08 JUL 2002	14.3	*	1626		105.7		8.0		4314.9
16 JUL 2002	15.1	*	1694	*	115.3	*	8.0		4313.9
22 JUL 2002	14.3	*	1640		109.9	*	8.2		4314.9
29 JUL 2002	14.5	*	1641		112.4	*	8.3		4314.9
05 AUG 2002	14.2	*	1629		111.8	*	8.3		4315.0
14 AUG 2002	13.7	*	1583		111.9	*	8.1		4315.0
19 AUG 2002	13.4		1640		107.6		7.9		4315.1
26 AUG 2002	14.5	*	1632		114.6	*	7.9		4315.1
03 SEP 2002	13.8	*	1632		110.1	*	8.2		4315.1
09 SEP 2002	14.5	*	1638		116.3	*	7.9		4315.1
16 SEP 2002	14.7	*	1680	*	111.7	*	8.2		4315.6
23 SEP 2002	14.3	*	1673	*	110.5	*	8.2		4315.7
30 SEP 2002	15.7	*	1692	*	119.7	*	7.9		4315.8
07 OCT 2002	14.1	*	1694	*	109.1		8.0		4315.8
14 OCT 2002	13.9	*	1656		108.8		7.6		4315.1
21 OCT 2002	14.2	*	1634		111.1	*	8.2		4316.0
28 OCT 2002	14.3	*	1626		114.4	*	8.0		4315.9
04 NOV 2002	14.4	*	1665		113.2	*	8.2		4316.0
11 NOV 2002	14.4	*	1610		116.9	*	8.2		4316.1
19 NOV 2002	14.0	*	1634		112.7	*	8.1		4316.2
25 NOV 2002	14.3	*	1667		112.1	*	8.2		4316.2
02 DEC 2002	14.3	*	1659		112.4	*	8.1		4316.2
09 DEC 2002	13.9	*	1631		112.8	*	8.2		4316.2
16 DEC 2002	14.7	*	1703	*	116.8	*	8.1		4316.6
23 DEC 2002	12.7		1625		102.8		8.1		4316.5
30 DEC 2002	13.0		1632		104.6		8.0		4316.5
06 JAN 2003	14.4	*	1655		114.3	*	8.0		4316.5
13 JAN 2003	13.9	*	1663		109.2		8.0		4316.7
21 JAN 2003	13.6		1638		108.6		8.1		4316.7
27 JAN 2003	13.7	*	1633		109.8	*	8.1		4316.8
03 FEB 2003	14.3	*	1629		113.4	*	7.9		4317.0
10 FEB 2003	14.0	*	1648		111.0	*	8.2		4317.0
18 FEB 2003	13.7	*	1615		111.4	*	8.3		4316.9
24 FEB 2003	14.7	*	1704	*	112.3	*	8.1		4317.0
03 MAR 2003	14.5	*	1690	*	113.7	*	7.8		4317.0
10 MAR 2003	13.7	*	1648		116.5	*	8.1		4316.8
17 MAR 2003	14.1	*	1654		116.9	*	8.0		4317.0
24 MAR 2003	13.8	*	1702	*	116.6	*	8.0		4317.0
01 APR 2003	13.5		1631		108.8		8.3		4317.0
09 APR 2003	14.8	*	1690	*	114.6	*	8.1		4317.0
14 APR 2003	14.4	*	1686	*	110.9	*	7.9		4317.0
21 APR 2003	12.9		1689	*	102.0		7.9		4317.0
28 APR 2003	14.1	*	1713	*	110.1	*	8.1		4317.2
07 MAY 2003	13.5		1633		107.7		8.2		4317.5
12 MAY 2003	13.8	*	1743	*	105.8		8.3		4317.4
19 MAY 2003	13.5		1680	*	105.7		8.4		4317.4
27 MAY 2003	13.6		1671		105.2		8.0		4317.2
02 JUN 2003	13.8	*	1698	*	97.9		8.3		4317.4
10 JUN 2003	13.2		1631		95.1		8.3		4317.4
16 JUN 2003	13.8	*	1687	*	96.2		8.2		4317.4
26 JUN 2003	13.3		1626		94.6		8.2		4317.7
30 JUN 2003	13.7	*	1665		86.9		8.2		4317.4

* Values Exceed Upper Control Limit

SSM40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. SSM41

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	24.9		2566	126.8				
Date								
02 JUL 2002	37.1	*	2495	139.9	*	7.8		4309.8
08 JUL 2002	35.2	*	2434	127.9	*	7.6		4309.9
16 JUL 2002	37.8	*	2485	137.6	*	7.8		4310.0
22 JUL 2002	37.3	*	2454	136.6	*	7.7		4309.7
29 JUL 2002	37.1	*	2462	135.9	*	7.9		4310.0
05 AUG 2002	37.5	*	2494	137.7	*	7.8		4309.7
14 AUG 2002	37.1	*	2473	140.0	*	7.8		4310.2
19 AUG 2002	37.1	*	2454	136.2	*	7.5		4310.0
26 AUG 2002	37.5	*	2482	134.7	*	7.6		4310.5
04 SEP 2002	37.8	*	2483	138.1	*	7.7		4310.5
09 SEP 2002	37.0	*	2463	135.3	*	7.6		4310.5
16 SEP 2002	38.7	*	2484	137.6	*	7.8		4317.2
23 SEP 2002	39.1	*	2479	137.4	*	7.7		4310.7
30 SEP 2002	37.7	*	2472	136.5	*	8.2		4310.9
07 OCT 2002	35.5	*	2454	129.1	*	7.7		4311.0
14 OCT 2002	35.2	*	2462	127.7	*	7.8		4311.0
21 OCT 2002	37.7	*	2460	134.4	*	7.8		4311.0
28 OCT 2002	38.0	*	2469	140.4	*	7.8		4311.0
04 NOV 2002	38.1	*	2460	140.7	*	7.9		4311.1
11 NOV 2002	37.8	*	2461	139.8	*	7.8		4311.3
19 NOV 2002	37.4	*	2463	139.5	*	7.8		4311.3
25 NOV 2002	38.1	*	2491	139.4	*	7.9		4311.7
02 DEC 2002	39.7	*	2481	148.3	*	7.8		4311.5
09 DEC 2002	37.6	*	2464	142.5	*	7.8		4311.5
16 DEC 2002	37.0	*	2465	139.8	*	7.8		4311.7
23 DEC 2002	35.5	*	2467	132.4	*	7.8		4311.8
30 DEC 2002	35.5	*	2478	131.7	*	7.7		4311.8
06 JAN 2003	38.2	*	2482	140.2	*	7.8		4311.9
13 JAN 2003	37.6	*	2492	136.9	*	7.7		4312.0
21 JAN 2003	37.5	*	2456	139.4	*	7.8		4312.0
27 JAN 2003	37.2	*	2472	138.8	*	7.9		4310.0
03 FEB 2003	38.3	*	2465	140.3	*	7.7		4312.0
10 FEB 2003	36.6	*	2469	135.6	*	7.9		4310.0
18 FEB 2003	37.6	*	2470	138.6	*	7.9		4312.1
24 FEB 2003	37.7	*	2460	138.7	*	7.8		4312.1
03 MAR 2003	37.3	*	2423	137.7	*	8.0		4312.2
11 MAR 2003	37.1	*	2435	135.9	*	8.0		4312.3
17 MAR 2003	37.8	*	2456	138.3	*	7.8		4312.0
24 MAR 2003	37.8	*	2459	138.7	*	7.9		4312.0
01 APR 2003	38.2	*	2483	134.1	*	7.4		4312.0
09 APR 2003	37.5	*	2459	136.9	*	7.8		4312.0
14 APR 2003	36.6	*	2458	132.4	*	7.7		4312.0
21 APR 2003	38.3	*	2450	139.1	*	7.7		4312.0
28 APR 2003	37.8	*	2448	139.5	*	7.8		4312.6
07 MAY 2003	39.4	*	2542	141.0	*	7.9		4312.9
12 MAY 2003	36.7	*	2530	134.9	*	7.8		4312.7
19 MAY 2003	37.4	*	2518	137.6	*	7.9		4312.7
27 MAY 2003	37.4	*	2518	132.9	*	7.7		4312.8
02 JUN 2003	37.4	*	2523	126.1		7.9		4312.8
10 JUN 2003	36.9	*	2501	123.4		7.9		4311.7
16 JUN 2003	38.0	*	2533	121.3		7.8		4312.8
26 JUN 2003	38.1	*	2487	124.1		7.8		4312.9
30 JUN 2003	36.3	*	2467	119.0		7.8		4312.8

* Values Exceed Upper Control Limit

SSM41

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. SSM42

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.3		1571		213.2			
Date								
02 JUL 2002	62.4	*	2158	*	160.0	8.0		4303.2
08 JUL 2002	60.5	*	2108	*	150.1	7.8		4303.4
16 JUL 2002	60.7	*	2107	*	160.6	7.9		4303.3
22 JUL 2002	62.3	*	2104	*	168.0	7.9		4303.5
29 JUL 2002	64.7	*	2130	*	167.2	8.0		4303.6
05 AUG 2002	61.7	*	2118	*	163.5	7.9		4303.4
14 AUG 2002	61.6	*	2095	*	167.4	7.9		4303.5
19 AUG 2002	62.6	*	2128	*	160.9	7.7		4303.2
26 AUG 2002	62.7	*	2133	*	162.4	7.8		4303.9
04 SEP 2002	61.9	*	2040	*	164.9	7.8		4303.8
09 SEP 2002	61.5	*	2095	*	165.5	7.7		4304.0
16 SEP 2002	63.3	*	2113	*	166.5	7.9		4304.0
23 SEP 2002	62.4	*	2110	*	166.2	7.9		4303.9
30 SEP 2002	60.4	*	2086	*	161.5	7.7		4303.9
07 OCT 2002	58.7	*	2058	*	158.1	7.8		4304.1
14 OCT 2002	58.5	*	2048	*	160.1	8.0		4304.0
21 OCT 2002	58.9	*	2022	*	159.9	8.0		4304.1
28 OCT 2002	58.5	*	2017	*	167.4	7.9		4304.2
04 NOV 2002	59.1	*	1995	*	169.4	7.9		4304.1
11 NOV 2002	58.4	*	1973	*	172.3	8.0		4304.2
19 NOV 2002	56.7	*	1958	*	172.0	7.9		4304.0
25 NOV 2002	58.3	*	1956	*	171.5	8.0		4304.8
02 DEC 2002	55.7	*	1942	*	170.6	7.9		4304.3
09 DEC 2002	56.5	*	1932	*	172.7	7.9		4304.2
16 DEC 2002	57.1	*	1941	*	178.1	7.9		4304.5
23 DEC 2002	53.1	*	1919	*	159.9	7.9		4304.2
30 DEC 2002	53.5	*	1897	*	163.1	8.0		4304.2
06 JAN 2003	53.4	*	1889	*	163.2	7.9		4304.5
13 JAN 2003	53.9	*	1880	*	169.3	7.9		4304.5
21 JAN 2003	53.3	*	1821	*	172.0	8.0		4304.6
27 JAN 2003	50.8	*	1823	*	162.1	8.0		4304.5
03 FEB 2003	52.7	*	1822	*	170.9	7.9		4304.5
10 FEB 2003	52.7	*	1820	*	171.2	8.0		4304.7
18 FEB 2003	51.2	*	1785	*	173.1	8.1		4304.8
24 FEB 2003	51.0	*	1765	*	170.1	7.9		4304.8
03 MAR 2003	50.9	*	1745	*	170.0	8.0		4304.7
11 MAR 2003	50.3	*	1724	*	169.0	8.0		4304.8
17 MAR 2003	50.1	*	1724	*	168.9	8.0		4304.0
25 MAR 2003	49.6	*	1713	*	169.0	8.0		4304.0
01 APR 2003	50.2	*	1735	*	169.6	7.9		4304.0
09 APR 2003	49.8	*	1698	*	171.2	8.0		4305.0
14 APR 2003	50.2	*	1709	*	171.9	7.9		4305.0
21 APR 2003	50.2	*	1732	*	172.7	7.9		4305.0
28 APR 2003	51.4	*	1724	*	170.4	8.0		4305.1
07 MAY 2003	50.0	*	1697	*	171.0	8.0		4305.2
12 MAY 2003	49.7	*	1721	*	170.2	8.0		4305.1
19 MAY 2003	50.5	*	1729	*	167.5	8.0		4305.1
27 MAY 2003	49.5	*	1709	*	165.1	8.0		4305.0
02 JUN 2003	45.6	*	1719	*	161.9	8.0		4305.1
10 JUN 2003	49.0	*	1683	*	151.2	8.0		4304.9
16 JUN 2003	49.6	*	1703	*	150.3	8.0		4305.1
26 JUN 2003	48.7	*	1632	*	152.8	8.0		4305.2
30 JUN 2003	48.4	*	1638	*	153.9	7.9		4305.1

* Values Exceed Upper Control Limit

SSM42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 1

Well I.D. SSM43

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	25.6		1456		170.4			
Date								
02 JUL 2002	38.7	*	1745	*	143.6	8.1		4308.3
08 JUL 2002	36.2	*	1702	*	132.1	7.8		4308.5
16 JUL 2002	38.3	*	1733	*	140.6	7.9		4308.3
22 JUL 2002	37.8	*	1710	*	139.3	8.0		4309.4
29 JUL 2002	37.8	*	1725	*	138.7	8.2		4308.4
05 AUG 2002	39.8	*	1736	*	152.9	8.2		4308.6
14 AUG 2002	39.1	*	1710	*	151.8	8.1		4308.5
19 AUG 2002	37.9	*	1711	*	142.3	7.7		4309.2
26 AUG 2002	37.9	*	1723	*	139.9	7.8		4308.9
04 SEP 2002	37.1	*	1690	*	138.4	7.9		4308.8
09 SEP 2002	38.1	*	1717	*	140.7	7.7		4309.1
16 SEP 2002	39.1	*	1729	*	145.0	8.0		4309.1
23 SEP 2002	38.7	*	1699	*	142.8	8.0		4309.0
30 SEP 2002	36.7	*	1723	*	135.9	7.9		4309.1
07 OCT 2002	36.3	*	1711	*	134.2	7.9		4309.3
14 OCT 2002	36.6	*	1723	*	135.5	8.1		4309.4
21 OCT 2002	39.4	*	1717	*	146.7	8.0		4309.5
28 OCT 2002	38.8	*	1718	*	144.1	8.0		4309.6
04 NOV 2002	38.8	*	1706	*	145.0	8.1		4309.6
11 NOV 2002	38.7	*	1706	*	145.4	8.1		4309.6
19 NOV 2002	39.0	*	1718	*	146.7	8.1		4309.8
25 NOV 2002	39.5	*	1722	*	146.7	8.1		4310.0
02 DEC 2002	40.1	*	1724	*	152.5	8.0		4310.0
09 DEC 2002	38.5	*	1723	*	145.0	8.0		4309.9
16 DEC 2002	38.7	*	1730	*	145.6	8.0		4310.0
23 DEC 2002	35.1	*	1720	*	137.1	8.0		4310.0
30 DEC 2002	35.8	*	1725	*	133.5	8.0		4310.0
06 JAN 2003	39.1	*	1726	*	144.8	8.0		4310.0
13 JAN 2003	38.2	*	1733	*	140.3	8.0		4310.1
21 JAN 2003	38.6	*	1710	*	142.5	8.0		4310.1
27 JAN 2003	38.2	*	1698	*	141.5	8.1		4310.2
03 FEB 2003	39.3	*	1722	*	145.5	8.0		4310.6
10 FEB 2003	38.2	*	1722	*	140.7	8.1		4310.8
18 FEB 2003	38.4	*	1702	*	142.0	8.1		4310.5
24 FEB 2003	39.5	*	1714	*	145.7	8.0		4310.6
03 MAR 2003	39.5	*	1714	*	140.2	8.1		4310.7
11 MAR 2003	39.7	*	1702	*	146.6	8.1		4310.3
17 MAR 2003	38.7	*	1717	*	140.1	7.9		4310.0
25 MAR 2003	39.6	*	1702	*	146.1	8.1		4310.0
01 APR 2003	39.1	*	1729	*	142.8	8.1		4310.0
09 APR 2003	39.4	*	1717	*	144.4	8.0		4311.0
14 APR 2003	38.9	*	1717	*	139.5	7.9		4311.0
21 APR 2003	37.9	*	1720	*	135.0	7.9		4311.0
28 APR 2003	38.3	*	1713	*	140.1	8.1		4311.0
07 MAY 2003	37.9	*	1732	*	137.7	8.1		4311.1
12 MAY 2003	36.8	*	1765	*	134.8	8.1		4311.1
19 MAY 2003	38.6	*	1768	*	139.4	8.1		4311.0
27 MAY 2003	38.3	*	1759	*	135.1	8.0		4311.0
02 JUN 2003	36.8	*	1768	*	127.5	8.1		4311.0
10 JUN 2003	38.1	*	1746	*	124.6	8.1		4310.2
16 JUN 2003	38.2	*	1749	*	123.4	8.0		4311.1
26 JUN 2003	38.8	*	1722	*	124.1	8.0		4311.2
30 JUN 2003	38.2	*	1727	*	123.3	8.1		4311.0

* Values Exceed Upper Control Limit

SSM43

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY PROJECT

Interior Deep Sand Monitor Wells

NRCDEQ2REP

Mine Unit 1

Well I.D. DM1

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.2	609	207.4			
Date						
16 SEP 2002	9.4	485	122.8	8.5		4306.1
03 DEC 2002	9.2	486	119.7	8.5		4307.6
25 MAR 2003	9.2	478	119.9	8.7		4310.0
30 JUN 2003	9.2	487	110.7	8.7		4310.2

* Values Exceed Upper Control Limit

DM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 1

Well I.D. DM2

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	15.1	757	187.1				
Date							
16 SEP 2002	8.6	610	188.0	*	8.3		4295.5
03 DEC 2002	8.6	614	191.8	*	8.2		4298.2
25 MAR 2003	8.5	610	188.3	*	8.5		4300.0
30 JUN 2003	8.5	612	185.5		8.4		4301.7

* Values Exceed Upper Control Limit

DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. DM3

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.8	677	240.9			
Date						
16 SEP 2002	13.8	583	188.3	8.5		4301.7
03 DEC 2002	13.1	566	170.3	8.4		4303.2
25 MAR 2003	13.0	552	165.8	8.4		4305.0
30 JUN 2003	12.5	557	138.7	8.4		4305.6

* Values Exceed Upper Control Limit

DM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. DM4

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.4	603	117.6			
Date						
16 SEP 2002	9.7	524	101.4	8.9		4305.2
03 DEC 2002	9.7	520	103.3	8.9		4307.5
24 MAR 2003	10.0	522	101.7	8.8		4309.0
30 JUN 2003	9.5	525	98.0	8.8		4309.0

* Values Exceed Upper Control Limit

DM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. DM5

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	15.7	675	206				
Date							
16 SEP 2002	8.7	622	208.9	*	8.2		4289.6
03 DEC 2002	8.8	617	208.6	*	8.2		4291.1
25 MAR 2003	8.6	605	201.0		8.5		4296.0

* Values Exceed Upper Control Limit

DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 5

Well I.D. DM9

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr. Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.3	647	132.7			
Date						
16 SEP 2002	10.4	530	104.2	8.9		4308.4
03 DEC 2002	9.3	525	97.1	8.8		4310.0
24 MAR 2003	10.1	526	94.2	7.1		4309.0
30 JUN 2003	9.8	529	87.7	8.8		4309.0

* Values Exceed Upper Control Limit

DM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. DM10

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	16.4		606		107.5				
Date									
02 JUL 2002	32.0	*	828	*	203.9	*	8.4		4310.0
08 JUL 2002	30.0	*	786	*	192.8	*	6.0		4310.6
16 JUL 2002	31.6	*	816	*	203.4	*	8.1		4310.6
22 JUL 2002	31.5	*	804	*	203.7	*	8.3		4310.7
29 JUL 2002	32.4	*	838	*	206.8	*	8.4		4310.9
05 AUG 2002	31.6	*	816	*	206.6	*	8.5		4310.9
14 AUG 2002	30.8	*	806	*	207.4	*	8.3		4311.3
19 AUG 2002	31.6	*	803	*	207.7	*	8.1		4311.6
26 AUG 2002	31.9	*	809	*	218.4	*	8.2		4311.8
04 SEP 2002	31.3	*	816	*	204.7	*	8.2		4311.5
09 SEP 2002	31.6	*	813	*	209.5	*	8.2		4311.5
16 SEP 2002	31.8	*	809	*	204.3	*	8.4		4312.3
23 SEP 2002	31.3	*	805	*	204.2	*	8.4		4312.5
30 SEP 2002	32.6	*	804	*	201.4	*	8.0		4312.8
07 OCT 2002	30.7	*	804	*	196.7	*	8.2		4312.9
14 OCT 2002	30.3	*	803	*	195.0	*	8.2		4312.9
21 OCT 2002	30.3	*	800	*	205.0	*	8.4		4313.4
28 OCT 2002	31.7	*	803	*	209.6	*	8.2		4313.7
04 NOV 2002	32.0	*	801	*	209.9	*	8.3		4313.3
11 NOV 2002	32.0	*	801	*	213.7	*	8.3		4313.8
19 NOV 2002	31.6	*	804	*	207.5	*	8.3		4313.6
25 NOV 2002	31.6	*	802	*	206.2	*	8.5		4314.2
02 DEC 2002	32.2	*	806	*	212.6	*	8.4		4314.3
09 DEC 2002	32.3	*	808	*	217.3	*	8.3		4314.4
16 DEC 2002	31.5	*	815	*	209.6	*	8.2		4314.8
23 DEC 2002	30.6	*	804	*	199.5	*	8.2		4315.0
30 DEC 2002	31.6	*	813	*	197.8	*	8.1		4315.0
06 JAN 2003	31.4	*	810	*	206.6	*	8.2		4315.0
13 JAN 2003	31.7	*	813	*	208.2	*	8.3		4315.1
21 JAN 2003	31.5	*	800	*	213.8	*	8.4		4315.2
27 JAN 2003	31.4	*	807	*	206.5	*	8.3		4315.5
03 FEB 2003	31.3	*	808	*	209.4	*	8.2		4315.6
10 FEB 2003	31.3	*	790	*	206.9	*	8.4		4315.7
18 FEB 2003	30.8	*	803	*	208.5	*	8.4		4315.8
24 FEB 2003	31.4	*	804	*	209.4	*	8.2		4309.4
03 MAR 2003	30.7	*	782	*	207.1	*	8.4		4316.0
11 MAR 2003	31.1	*	792	*	205.6	*	8.6		4316.3
17 MAR 2003	31.0	*	801	*	204.1	*	8.2		4316.0
24 MAR 2003	31.0	*	808	*	209.9	*	8.3		4315.0
01 APR 2003	30.3	*	810	*	200.8	*	8.4		4316.0
09 APR 2003	31.2	*	798	*	209.8	*	8.4		4316.0
14 APR 2003	31.2	*	802	*	206.2	*	8.3		4316.0
21 APR 2003	30.1	*	802	*	196.8	*	8.2		4316.0
28 APR 2003	30.9	*	805	*	206.7	*	8.4		4316.8
07 MAY 2003	31.0	*	815	*	209.8	*	8.4		4317.0
12 MAY 2003	30.3	*	825	*	206.3	*	8.4		4317.0
19 MAY 2003	30.6	*	822	*	205.0	*	8.4		4316.9
27 MAY 2003	30.4	*	818	*	200.2	*	8.3		4317.2
02 JUN 2003	29.6	*	824	*	188.9	*	8.4		4311.0
10 JUN 2003	29.7	*	813	*	183.3	*	8.3		4316.5
16 JUN 2003	29.9	*	817	*	181.6	*	8.3		4316.9
26 JUN 2003	30.3	*	809	*	180.8	*	8.4		4317.1
30 JUN 2003	30.0	*	800	*	176.2	*	8.4		4311.0

* Values Exceed Upper Control Limit

DM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 7

Well I.D. DM11

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15	607	104.7			
Date						
03 SEP 2002	10.6	569	97.0	8.7		4308.5
19 NOV 2002	10.7	549	100.1	8.8		4306.7
17 MAR 2003	10.8	553	100.8	8.7		4308.0
30 JUN 2003	10.5	558	90.9	8.7		4307.9

* Values Exceed Upper Control Limit

DM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 8

Well I.D. DM13

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.1	624	113.5			
Date						
03 SEP 2002	9.9	557	100.3	8.7		4310.7
19 NOV 2002	10.3	583	103.6	8.8		4312.5
10 MAR 2003	10.3	537	103.3	8.6		4315.5
30 JUN 2003	10.1	548	94.5	8.6		4316.4

* Values Exceed Upper Control Limit

DM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 8

Well I.D. DM14

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.5	619	109.5			
Date						
03 SEP 2002	10.5	579	101.4	8.9		4308.1
18 NOV 2002	10.6	550	101.8	8.9		4310.7
10 MAR 2003	10.9	559	102.2	8.8		4313.0
30 JUN 2003	10.6	568	95.9	8.9		4314.4

* Values Exceed Upper Control Limit

DM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 9

Well I.D. DM15

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.1	618	110.6			
Date						
03 SEP 2002	10.5	573	106.5	8.8		4312.9
18 NOV 2002	10.8	550	107.0	8.8		4315.3
10 MAR 2003	10.8	558	104.2	8.7		4318.0
30 JUN 2003	10.8	567	94.1	8.7		4319.3

* Values Exceed Upper Control Limit

DM15

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 9

Well I.D. DM16

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.7	646	111			
Date						
03 SEP 2002	10.7	582	95.6	8.9		4315.0
18 NOV 2002	11.0	556	97.4	9.0		4316.6
10 MAR 2003	10.9	561	95.8	8.9		4319.5
30 JUN 2003	10.8	570	87.4	8.7		4320.8

* Values Exceed Upper Control Limit

DM16

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. DM17

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	15	618	108.2				
Date							
04 SEP 2002	10.1	540	123.6	*	8.8		4307.2
02 DEC 2002	9.6	536	121.6	*	8.8		4308.4
24 MAR 2003	9.4	539	112.6	*	8.7		4311.0
30 JUN 2003	9.7	532	106.5		8.7		4313.2

* Values Exceed Upper Control Limit

DM17

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. DM18

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.5	598	105.6			
Date						
16 SEP 2002	10.3	530	103.2	8.7		4305.2
03 DEC 2002	9.8	526	101.4	8.7		4307.0
24 MAR 2003	10.1	524	99.7	8.6		4309.0
30 JUN 2003	9.8	530	92.1	8.7		4310.0

* Values Exceed Upper Control Limit

DM18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. DM19

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	31.7	1207	245.3			
Date						
16 SEP 2002	10.5	513	125.6	8.7		4277.0
03 DEC 2002	10.2	510	125.3	8.6		4263.5
25 MAR 2003	10.2	508	123.8	8.6		4283.0
30 JUN 2003	10.2	514	107.1	8.6		4270.0

* Values Exceed Upper Control Limit

DM19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. DM20

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	17.5	609	135.6			
Date						
16 SEP 2002	9.7	520	103.5	8.9		4303.6
03 DEC 2002	9.6	515	104.1	8.8		4307.7
24 MAR 2003	9.5	516	100.4	8.7		4306.0
30 JUN 2003	10.1	522	95.9	8.7		4312.1

* Values Exceed Upper Control Limit

DM20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 7

Well I.D. DM21

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.6	628	126.7			
Date						
03 SEP 2002	10.8	565	100.7	8.7		4310.0
19 NOV 2002	10.4	550	96.7	8.8		4315.0
17 MAR 2003	10.6	555	97.9	8.6		4316.0
30 JUN 2003	10.5	559	91.9	8.6		4317.0

* Values Exceed Upper Control Limit

DM21

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

IRIGARAY RANCH

Well I.D. DM22

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.1	654	117			
Date						
03 SEP 2002	11.1	537	103.8	8.7		4310.1
19 NOV 2002	10.2	532	101.4	8.8		4313.1
24 MAR 2003	10.5	534	99.6	8.6		4315.0
30 JUN 2003	10.2	539	92.0	8.6		4316.4

* Values Exceed Upper Control Limit

DM22

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Perimeter Ore Zone Monitor Wells

NRCDEQ2REP

Mine Unit 3

Well I.D. MW17-2

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	9.9	671	94.9	8.6		4503.4
14 AUG 2002	9.9	665	94.9	8.9		4507.8
10 SEP 2002	9.9	676	95.6	9.0		4509.4
05 OCT 2002	9.6	667	97.0	8.9		4509.8
13 NOV 2002	9.9	663	95.5	9.0		4510.1
10 DEC 2002	9.8	671	97.0	8.7		4512.0
13 JAN 2003	9.6	667	95.9	9.0		4512.9
10 FEB 2003	9.8	673	97.3	8.9		4511.3
12 MAR 2003	9.9	671	99.1	8.9		4512.5
14 APR 2003	9.8	665	97.6	8.8		4515.0
12 MAY 2003	9.8	686	89.9	8.9		4518.3
09 JUN 2003	9.3	682	87.6	8.9		4515.5

* Values Exceed Upper Control Limit

MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW18

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
30 JUL 2002	9.8	675	94.3	8.5		4493.8
13 AUG 2002	10.3	669	98.3	8.7		4497.5
09 SEP 2002	9.2	680	97.8	8.9		4498.1
07 OCT 2002	10.1	664	99.1	8.7		4509.1
13 NOV 2002	10.1	678	97.8	8.8		4509.7
10 DEC 2002	10.1	676	98.1	8.5		4512.2
14 JAN 2003	10.2	682	98.9	8.7		4513.0
11 FEB 2003	10.2	680	98.4	8.7		4511.9
10 MAR 2003	9.8	667	97.5	8.7		4512.3
15 APR 2003	10.4	675	100.9	8.7		4514.0
12 MAY 2003	10.1	689	90.0	8.7		4517.2
09 JUN 2003	9.9	683	89.6	8.5		4514.4

* Values Exceed Upper Control Limit

MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW19

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
30 JUL 2002	10.0	675	98.5	8.2		4506.8
14 AUG 2002	8.4	666	91.2	8.1		4507.5
10 SEP 2002	9.2	667	98.6	8.1		4509.6
06 OCT 2002	9.6	674	102.9	8.1		4517.3
14 NOV 2002	9.7	663	104.8	8.1		4509.7
10 DEC 2002	10.0	679	100.5	8.2		4512.3
14 JAN 2003	9.9	673	100.2	8.4		4513.4
11 FEB 2003	10.2	674	102.1	8.4		4511.9
10 MAR 2003	10.2	679	103.5	8.4		4512.7
15 APR 2003	10.4	681	105.5	8.3		4514.0
13 MAY 2003	9.8	697	91.5	8.5		4517.4
11 JUN 2003	9.4	683	89.8	8.4		4513.9

* Values Exceed Upper Control Limit

MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW20

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
30 JUL 2002	9.6	677	100.6	8.3		4495.6
12 AUG 2002	10.2	669	103.8	8.5		4498.4
09 SEP 2002	10.1	680	105.3	8.6		4500.7
07 OCT 2002	9.6	670	100.9	8.6		4508.1
13 NOV 2002	10.1	674	104.7	8.5		4509.1
10 DEC 2002	9.5	670	100.9	8.4		4510.7
14 JAN 2003	9.8	678	102.0	8.6		4512.6
11 FEB 2003	9.5	674	101.0	8.6		4511.9
10 MAR 2003	10.2	669	106.1	8.6		4511.8
15 APR 2003	10.0	677	103.3	8.7		4514.0
12 MAY 2003	9.6	689	92.0	8.6		4516.7
09 JUN 2003	9.3	685	91.1	8.4		4512.5

* Values Exceed Upper Control Limit

MW20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW23

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	10.5	670	98.5	8.1		4496.5
12 AUG 2002	10.5	663	97.8	8.6		4499.0
09 SEP 2002	10.1	674	96.5	8.6		4502.0
06 OCT 2002	10.7	660	96.3	8.5		4506.5
13 NOV 2002	10.8	651	95.3	8.6		4509.0
10 DEC 2002	10.4	656	94.4	8.4		4511.3
13 JAN 2003	10.4	659	95.6	8.7		4511.5
11 FEB 2003	10.1	669	95.2	8.6		4511.0
10 MAR 2003	10.2	656	95.7	8.6		4510.6
15 APR 2003	10.4	662	97.7	8.6		4513.0
12 MAY 2003	10.3	672	88.3	8.6		4514.1
09 JUN 2003	9.7	671	84.3	8.5		4508.2

* Values Exceed Upper Control Limit

MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW24

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	10.0	640	89.5	8.5		4496.5
12 AUG 2002	10.4	653	92.6	8.8		4496.9
09 SEP 2002	10.4	660	92.1	8.7		4498.3
06 OCT 2002	10.1	660	94.7	8.7		4502.5
13 NOV 2002	10.3	655	95.2	8.7		4503.3
10 DEC 2002	9.9	676	95.1	8.5		4531.9
13 JAN 2003	10.5	663	101.9	8.7		4528.0
11 FEB 2003	10.1	670	96.8	8.7		4522.9
10 MAR 2003	10.1	661	97.4	8.7		4543.0
15 APR 2003	10.4	651	92.5	8.7		4527.0
12 MAY 2003	9.9	676	84.1	8.7		4545.4
09 JUN 2003	9.8	675	86.8	8.6		4537.7

* Values Exceed Upper Control Limit

MW24

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW25

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	10.1	663	98.1	8.2		4496.7
12 AUG 2002	10.7	652	98.9	8.6		4499.9
09 SEP 2002	10.3	671	97.2	8.6		4502.2
06 OCT 2002	10.1	662	96.6	8.4		4506.8
13 NOV 2002	10.5	660	98.2	8.6		4507.8
10 DEC 2002	10.2	662	97.6	8.4		4510.3
13 JAN 2003	10.5	660	100.7	8.6		4512.5
11 FEB 2003	10.1	672	98.4	8.6		4510.8
10 MAR 2003	10.4	659	99.4	8.6		4510.3
15 APR 2003	10.8	659	101.1	8.6		4513.0
12 MAY 2003	10.1	675	89.3	8.5		4513.9
09 JUN 2003	9.7	676	87.4	8.4		4507.5

* Values Exceed Upper Control Limit

MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW26

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr. Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	10.6	656	95.2	8.2		4500.1
12 AUG 2002	10.6	652	94.3	8.6		4500.4
09 SEP 2002	10.4	670	94.7	8.6		4503.0
06 OCT 2002	10.3	662	95.3	8.5		4507.5
13 NOV 2002	10.6	660	98.2	8.6		4508.6
10 DEC 2002	10.4	655	95.2	8.3		4510.7
13 JAN 2003	10.4	660	96.9	8.6		4511.4
11 FEB 2003	10.3	663	95.0	8.6		4511.3
10 MAR 2003	10.4	652	96.3	8.6		4511.2
15 APR 2003	10.8	661	96.6	8.6		4513.0
13 MAY 2003	10.2	682	87.3	8.6		4514.8
10 JUN 2003	10.2	672	87.5	8.5		4508.5

* Values Exceed Upper Control Limit

MW26

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW27

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	11.2	657	95.3	8.2		4498.6
12 AUG 2002	11.2	654	94.3	8.5		4500.3
09 SEP 2002	11.4	672	96.2	8.6		4501.5
06 OCT 2002	11.9	663	97.0	8.4		4508.4
13 NOV 2002	11.9	663	97.2	8.5		4509.6
10 DEC 2002	11.7	656	95.5	8.3		4511.0
13 JAN 2003	11.8	661	97.6	8.5		4511.1
11 FEB 2003	11.9	662	97.5	8.5		4511.4
10 MAR 2003	11.8	665	96.5	8.5		4511.7
15 APR 2003	12.4	659	101.1	8.5		4514.0
13 MAY 2003	11.6	683	88.5	8.5		4516.0
10 JUN 2003	11.4	676	87.4	8.4		4510.9

* Values Exceed Upper Control Limit

MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW28

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	10.7	690	101.0	8.2		4500.4
12 AUG 2002	10.8	676	99.4	8.6		4502.1
09 SEP 2002	10.7	696	99.6	8.6		4505.2
05 OCT 2002	10.8	693	101.3	8.6		4510.6
11 NOV 2002	11.1	702	101.1	8.3		4511.2
10 DEC 2002	10.8	701	101.1	8.4		4511.9
13 JAN 2003	10.8	701	102.3	8.5		4513.2
10 FEB 2003	10.7	703	101.7	8.5		4513.1
10 MAR 2003	10.8	714	102.7	8.6		4513.3
14 APR 2003	10.8	695	101.0	8.6		4515.0
12 MAY 2003	10.6	728	93.1	8.6		4519.1
09 JUN 2003	10.5	720	93.1	8.5		4515.4

* Values Exceed Upper Control Limit

MW28

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW29

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	10.1	666	98.1	8.2		4502.7
14 AUG 2002	10.0	669	102.0	8.6		4501.4
09 SEP 2002	10.1	673	100.2	8.6		4505.4
05 OCT 2002	9.9	665	100.0	8.6		4510.9
11 NOV 2002	10.1	669	100.4	8.4		4515.3
10 DEC 2002	10.1	668	101.1	8.4		4512.9
13 JAN 2003	10.3	670	105.5	8.6		4513.2
10 FEB 2003	10.1	665	101.1	8.5		4512.7
10 MAR 2003	10.2	673	101.8	8.6		4513.3
14 APR 2003	10.4	661	103.5	8.6		4515.0
12 MAY 2003	9.7	687	98.5	8.6		4520.0
09 JUN 2003	9.6	680	90.2	8.5		4517.1

* Values Exceed Upper Control Limit

MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW30

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	9.9	675	101.8	8.2		4507.6
12 AUG 2002	10.1	662	102.6	8.5		4521.3
09 SEP 2002	9.9	677	101.3	8.5		4506.1
05 OCT 2002	9.7	671	101.0	8.5		4511.8
13 NOV 2002	10.6	669	103.2	8.4		4511.9
10 DEC 2002	9.9	674	103.1	8.2		4512.8
13 JAN 2003	9.8	676	104.8	8.4		4513.5
10 FEB 2003	10.7	680	103.0	8.3		4513.0
10 MAR 2003	10.4	677	103.4	8.4		4514.3
14 APR 2003	9.8	668	101.7	8.6		4517.0
12 MAY 2003	9.5	689	92.5	8.5		4521.2
09 JUN 2003	9.6	686	93.1	8.5		4518.9

* Values Exceed Upper Control Limit

MW30

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW31

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	9.8	680	103.3	8.2		4513.2
12 AUG 2002	9.7	663	101.7	8.5		4523.4
09 SEP 2002	9.9	681	103.0	8.6		4507.8
05 OCT 2002	9.4	675	98.6	8.5		4514.0
13 NOV 2002	10.2	677	101.3	8.5		4514.4
10 DEC 2002	9.9	684	99.5	8.3		4515.1
13 JAN 2003	9.8	687	104.7	8.5		4515.6
10 FEB 2003	10.2	693	102.9	8.4		4514.1
10 MAR 2003	9.9	686	103.5	8.5		4517.0
14 APR 2003	9.7	671	100.0	8.6		4518.0
12 MAY 2003	9.8	698	95.8	8.5		4522.9
09 JUN 2003	9.4	694	91.2	8.5		4521.4

* Values Exceed Upper Control Limit

MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW32

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	9.2	679	100.5	8.3		4506.3
14 AUG 2002	9.6	670	102.3	8.6		4498.8
10 SEP 2002	9.6	675	103.7	8.6		4505.5
05 OCT 2002	9.2	671	100.4	8.6		4510.4
13 NOV 2002	9.6	682	105.6	8.6		4511.2
09 DEC 2002	10.0	681	105.6	8.3		4513.7
14 JAN 2003	9.5	677	103.2	8.6		4513.1
11 FEB 2003	9.6	672	104.1	8.7		4511.5
12 MAR 2003	9.5	674	102.6	8.6		4514.2
14 APR 2003	9.7	674	104.0	8.6		4518.0
12 MAY 2003	9.5	693	95.8	8.6		4521.8
10 JUN 2003	9.3	685	93.8	8.5		4520.2

* Values Exceed Upper Control Limit

MW32

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW35

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.4		777	129.7				
Date								
28 JUL 2002	7.5		533	130.7	*	8.4		4503.7
14 AUG 2002	15.4	*	682	126.1		8.5		4493.0
10 SEP 2002	10.6		671	127.3		8.6		4503.0
06 OCT 2002	8.1		552	127.2		8.6		4507.9
14 NOV 2002	9.1		587	129.9	*	8.6		4511.6
09 DEC 2002	9.2		593	129.8	*	8.3		4513.6
14 JAN 2003	9.2		593	127.6		8.6		4512.5
10 FEB 2003	9.2		593	128.4		8.5		4512.5
12 MAR 2003	9.2		587	131.3	*	8.6		4515.0
14 APR 2003	9.4		581	134.8	*	8.7		4517.0
13 MAY 2003	9.2		601	122.4		8.6		4527.4
09 JUN 2003	8.0		570	118.1		8.6		4518.1

* Values Exceed Upper Control Limit

MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW36

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	9.5	678	100.6	8.1		4518.4
14 AUG 2002	9.8	663	102.6	8.5		4501.8
09 SEP 2002	9.9	679	103.7	8.5		4509.5
06 OCT 2002	9.7	671	102.7	8.4		4515.6
14 NOV 2002	9.8	673	103.7	8.5		4518.1
10 DEC 2002	10.1	675	104.7	8.3		4519.4
14 JAN 2003	9.6	669	102.0	8.5		4519.1
10 FEB 2003	9.8	675	104.9	8.4		4517.7
12 MAR 2003	9.8	673	103.9	8.5		4519.5
14 APR 2003	10.1	665	105.9	8.5		4523.0
13 MAY 2003	9.6	690	94.3	8.5		4526.0
09 JUN 2003	9.4	686	92.7	8.5		4523.5

* Values Exceed Upper Control Limit

MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW37

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4		777	129.7			
Date							
28 JUL 2002	15.4	*	707	110.2	8.1		4509.0
14 AUG 2002	13.6	*	681	109.7	8.5		4496.4
09 SEP 2002	15.0	*	704	111.7	8.5		4503.8
06 OCT 2002	14.1	*	696	107.4	8.4		4509.8
13 NOV 2002	16.2	*	720	109.9	8.5		4510.1
10 DEC 2002	15.4	*	705	112.4	8.3		4513.2
14 JAN 2003	16.0	*	704	113.0	8.5		4513.4
10 FEB 2003	16.7	*	715	110.5	8.4		4511.6
12 MAR 2003	16.8	*	710	112.6	8.5		4512.1
14 APR 2003	15.5	*	695	111.9	8.5		4516.0
13 MAY 2003	14.8	*	717	100.2	8.5		4518.9
09 JUN 2003	14.2	*	715	98.4	8.5		4516.8

* Values Exceed Upper Control Limit

MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW38

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	10.2	676	108.7	8.2		4505.6
12 AUG 2002	9.7	663	102.2	8.6		4496.3
10 SEP 2002	9.6	681	101.7	8.6		4503.1
05 OCT 2002	9.6	674	101.8	8.5		4509.0
14 NOV 2002	9.8	669	104.4	8.6		4509.8
10 DEC 2002	10.2	678	107.6	8.3		4512.5
14 JAN 2003	9.6	666	101.2	8.5		4513.0
10 FEB 2003	9.5	676	101.4	8.5		4511.4
10 MAR 2003	9.8	668	105.2	8.5		4512.9
15 APR 2003	9.9	658	103.9	8.6		4516.0
12 MAY 2003	9.7	692	95.4	8.6		4519.0
09 JUN 2003	9.4	685	92.8	8.5		4517.3

* Values Exceed Upper Control Limit

MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW39

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	10.4	676	104.9	8.3		4495.2
14 AUG 2002	10.4	677	105.1	8.6		4498.1
10 SEP 2002	10.0	679	99.0	8.6		4504.1
05 OCT 2002	10.3	671	101.2	8.6		4509.6
14 NOV 2002	10.1	670	100.4	8.7		4511.4
10 DEC 2002	10.2	670	100.8	8.5		4512.8
14 JAN 2003	10.2	670	100.2	8.6		4513.2
11 FEB 2003	10.6	662	104.8	8.8		4512.1
10 MAR 2003	10.4	663	105.1	8.7		4513.5
15 APR 2003	10.3	659	101.1	8.7		4516.0
12 MAY 2003	10.2	689	94.9	8.7		4519.6
09 JUN 2003	10.0	685	91.7	8.6		4517.4

* Values Exceed Upper Control Limit

MW39

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW40

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	9.7	653	97.0	8.5		4501.8
14 AUG 2002	9.7	664	95.8	8.8		4498.6
09 SEP 2002	9.9	672	97.2	8.7		4504.8
05 OCT 2002	10.1	662	96.3	8.7		4510.0
14 NOV 2002	9.9	657	93.0	8.8		4512.1
10 DEC 2002	9.8	665	95.5	8.5		4512.7
13 JAN 2003	10.2	667	98.8	8.7		4513.1
11 FEB 2003	9.8	659	94.9	8.7		4512.2
10 MAR 2003	9.9	663	95.9	8.7		4516.7
14 APR 2003	9.8	660	95.9	8.8		4517.0
12 MAY 2003	9.8	683	88.4	8.7		4519.9
09 JUN 2003	9.9	682	92.6	8.6		4517.8

* Values Exceed Upper Control Limit

MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW41

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	9.5	681	106.5	8.3		4505.1
14 AUG 2002	9.3	676	103.4	8.6		4506.9
10 SEP 2002	9.4	694	104.8	8.7		4505.5
05 OCT 2002	9.8	676	111.1	8.6		4508.9
13 NOV 2002	9.4	687	106.9	8.6		4512.3
09 DEC 2002	9.3	683	103.5	8.3		4513.9
14 JAN 2003	9.4	684	105.1	8.6		4512.2
11 FEB 2003	9.5	683	107.0	8.7		4510.7
12 MAR 2003	9.5	678	107.3	8.6		4514.1
14 APR 2003	9.4	678	104.9	8.6		4518.0
12 MAY 2003	9.4	698	98.8	8.6		4521.5
10 JUN 2003	9.3	692	97.0	8.5		4520.7

* Values Exceed Upper Control Limit

MW41

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 3

CHRISTENSEN RANCH

Well I.D. MW42

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr. Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	9.3	670	101.9	8.1		4498.8
13 AUG 2002	9.7	660	102.6	8.6		4489.2
10 SEP 2002	9.3	685	100.8	8.7		4505.5
05 OCT 2002	9.5	668	103.2	8.5		4506.6
13 NOV 2002	9.2	676	101.2	8.7		4511.5
09 DEC 2002	9.5	670	102.6	8.4		4514.9
14 JAN 2003	9.6	671	101.3	8.7		4512.1
11 FEB 2003	9.4	668	102.1	8.7		4510.4
12 MAR 2003	9.5	667	100.6	8.7		4514.6
14 APR 2003	9.4	658	99.7	8.7		4519.0
12 MAY 2003	9.7	685	94.6	8.7		4522.1
10 JUN 2003	9.4	677	93.0	8.5		4521.5

* Values Exceed Upper Control Limit

MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW43

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	9.9	670	107.1	8.1		4462.0
13 AUG 2002	8.6	642	108.5	8.6		4488.9
10 SEP 2002	9.5	700	114.1	8.4		4505.2
05 OCT 2002	9.6	667	105.6	8.4		4504.1
13 NOV 2002	9.5	676	112.9	8.4		4511.8
09 DEC 2002	9.6	674	107.1	8.1		4515.8
14 JAN 2003	9.5	672	106.7	8.4		4510.7
11 FEB 2003	9.8	667	108.9	8.5		4509.7
13 MAR 2003	9.7	654	107.8	8.5		4514.6
14 APR 2003	9.7	661	105.4	8.5		4519.0
12 MAY 2003	9.4	686	97.2	8.5		4522.3
10 JUN 2003	9.2	679	94.5	8.4		4522.2

* Values Exceed Upper Control Limit

MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW44

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	9.8	674	99.6	7.8		4476.5
13 AUG 2002	10.2	666	103.5	8.5		4483.7
10 SEP 2002	9.5	677	98.5	8.5		4497.4
05 OCT 2002	9.5	670	99.9	8.4		4500.7
13 NOV 2002	9.6	679	100.8	8.5		4504.4
09 DEC 2002	9.6	676	100.2	8.2		4507.9
14 JAN 2003	9.9	669	99.8	8.4		4506.6
10 FEB 2003	9.7	673	100.2	8.4		4505.7
12 MAR 2003	9.7	669	101.9	8.4		4508.7
14 APR 2003	9.7	665	100.6	8.5		4512.0
12 MAY 2003	9.9	690	93.9	8.5		4515.3
10 JUN 2003	9.7	683	90.8	8.3		4514.3

* Values Exceed Upper Control Limit

MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW45

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
28 JUL 2002	9.5	676	99.6	7.8		4482.8
14 AUG 2002	9.9	678	102.6	8.5		4490.2
10 SEP 2002	9.5	700	99.3	8.6		4491.7
06 OCT 2002	9.6	681	101.9	8.5		4505.8
14 NOV 2002	9.8	675	103.5	8.5		4509.0
09 DEC 2002	10.1	676	105.6	8.1		4511.9
14 JAN 2003	9.6	672	102.3	8.5		4511.7
10 FEB 2003	9.7	678	102.5	8.4		4510.3
14 APR 2003	9.8	668	102.0	8.5		4517.0
13 MAY 2003	9.5	690	93.1	8.5		4519.9
10 JUN 2003	9.4	686	91.6	8.4		4517.5

* Values Exceed Upper Control Limit

MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 3

CHRISTENSEN RANCH

Well I.D. MW62

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	9.8	675	94.6	8.8		4476.4
14 AUG 2002	9.7	668	92.5	9.1		4485.0
10 SEP 2002	9.9	676	93.0	9.1		4502.9
06 OCT 2002	9.7	663	88.3	9.2		4504.9
13 NOV 2002	10.0	669	91.8	9.2		4510.1
09 DEC 2002	9.5	665	87.4	9.1		4514.1
14 JAN 2003	9.8	664	89.3	9.2		4512.8
11 FEB 2003	9.8	671	94.1	9.2		4510.6
12 MAR 2003	9.8	664	90.3	9.3		4514.5
14 APR 2003	10.4	658	91.1	9.4		4518.0
12 MAY 2003	9.8	683	85.7	9.2		4521.1
10 JUN 2003	9.6	675	81.3	9.0		4520.3

* Values Exceed Upper Control Limit

MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW63

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	9.4	678	99.1	8.1		4481.8
14 AUG 2002	9.2	677	97.4	8.7		4485.3
10 SEP 2002	9.6	677	99.2	8.9		4504.3
06 OCT 2002	9.4	666	94.4	8.9		4502.9
13 NOV 2002	9.6	665	96.5	9.1		4508.6
09 DEC 2002	9.4	667	92.7	8.6		4516.2
14 JAN 2003	9.5	663	90.4	8.9		4516.8
11 FEB 2003	9.5	659	92.1	9.0		4509.1
12 MAR 2003	9.7	664	93.0	8.9		4514.5
14 APR 2003	9.4	659	90.6	9.0		4519.0
12 MAY 2003	9.5	681	84.6	8.9		4521.7
10 JUN 2003	9.1	673	80.7	8.8		4521.2

* Values Exceed Upper Control Limit

MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW64

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr. Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
29 JUL 2002	9.3	683	103.7	7.9		4480.6
14 AUG 2002	9.0	682	101.1	8.4		4487.5
10 SEP 2002	9.4	682	104.2	8.6		4504.9
06 OCT 2002	9.2	676	103.0	8.5		4504.3
13 NOV 2002	9.4	670	106.5	8.5		4505.6
09 DEC 2002	9.2	680	105.2	8.2		4517.3
14 JAN 2003	9.5	679	104.7	8.4		4510.8
11 FEB 2003	9.5	676	107.5	8.5		4509.6
12 MAR 2003	9.1	679	106.1	8.5		4515.2
14 APR 2003	9.4	671	106.3	8.5		4519.0
12 MAY 2003	9.5	693	97.6	8.5		4523.1
10 JUN 2003	9.0	686	95.6	8.4		4521.7

* Values Exceed Upper Control Limit

MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW73

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	9.9	668	90.4	9.0		4493.5
07 AUG 2002	10.0	662	93.8	8.8		4500.4
03 SEP 2002	9.8	666	92.4	9.1		4504.1
30 SEP 2002	10.2	667	94.4	9.0		4510.3
04 NOV 2002	10.0	662	93.8	9.0		4513.1
02 DEC 2002	9.8	670	97.7	8.1		4514.2
06 JAN 2003	9.8	672	96.5	9.0		4515.3
03 FEB 2003	9.8	663	92.0	8.8		4513.6
03 MAR 2003	10.1	668	94.6	9.1		4515.5
07 APR 2003	10.2	661	99.2	8.9		4517.0
05 MAY 2003	10.1	676	99.4	8.9		4520.1
02 JUN 2003	10.1	687	92.3	8.8		4517.5

* Values Exceed Upper Control Limit

MW73

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW74

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.0	660	94.5	8.9		4495.9
07 AUG 2002	10.0	664	97.3	8.9		4498.9
03 SEP 2002	10.3	663	101.9	9.2		4504.9
30 SEP 2002	9.7	665	96.4	9.1		4510.7
04 NOV 2002	10.5	657	102.8	9.1		4513.7
02 DEC 2002	10.0	667	101.1	8.3		4514.6
06 JAN 2003	9.7	664	93.5	9.2		4515.5
03 FEB 2003	9.6	652	86.2	8.8		4514.0
03 MAR 2003	10.0	652	91.6	9.1		4515.7
07 APR 2003	9.5	666	99.3	8.8		4518.0
05 MAY 2003	9.7	667	97.8	8.9		4520.5
02 JUN 2003	9.6	687	91.6	8.9		4516.9

* Values Exceed Upper Control Limit

MW74

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW75

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	9.7	677	97.9	8.6		4498.2
07 AUG 2002	9.6	676	95.2	8.7		4502.1
03 SEP 2002	9.8	672	96.8	8.8		4505.2
30 SEP 2002	10.1	673	97.3	8.9		4510.6
04 NOV 2002	9.5	667	92.0	8.7		4513.4
02 DEC 2002	9.5	675	95.6	8.0		4514.2
06 JAN 2003	9.8	676	93.6	8.9		4515.3
03 FEB 2003	9.6	676	96.4	8.7		4514.0
03 MAR 2003	9.8	667	95.6	8.8		4515.7
07 APR 2003	9.6	663	93.6	8.8		4518.0
05 MAY 2003	9.5	676	97.7	8.7		4520.1
02 JUN 2003	9.6	698	92.0	8.7		4515.7

* Values Exceed Upper Control Limit

MW75

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW76

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	9.0	724	97.0	8.6		4501.0
07 AUG 2002	8.7	722	96.7	8.5		4504.8
03 SEP 2002	8.9	723	99.3	8.7		4505.9
30 SEP 2002	9.4	729	99.5	8.3		4510.3
04 NOV 2002	9.4	720	102.9	8.6		4513.0
02 DEC 2002	8.8	728	99.9	7.7		4514.6
06 JAN 2003	8.8	731	96.6	8.7		4515.4
03 FEB 2003	8.8	721	92.8	8.4		4514.4
03 MAR 2003	8.8	729	95.7	8.8		4515.9
07 APR 2003	8.7	718	97.1	8.6		4518.0
05 MAY 2003	9.4	729	105.3	8.7		4520.5
02 JUN 2003	8.7	750	90.0	8.5		4515.7

* Values Exceed Upper Control Limit

MW76

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW77

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	8.9	733	98.6	8.3		4501.0
07 AUG 2002	9.2	731	103.1	8.4		4503.1
03 SEP 2002	8.8	735	99.6	8.6		4506.2
30 SEP 2002	8.6	741	99.1	7.5		4510.8
04 NOV 2002	8.9	735	99.7	8.4		4513.7
02 DEC 2002	9.1	741	103.3	7.0		4514.9
06 JAN 2003	8.8	747	100.1	8.5		4515.3
03 FEB 2003	8.8	739	98.3	8.3		4514.7
03 MAR 2003	8.8	741	99.2	8.5		4514.9
07 APR 2003	8.9	730	100.6	8.4		4518.0
05 MAY 2003	8.7	745	99.4	8.4		4519.8
02 JUN 2003	9.0	768	94.9	8.3		4514.3

* Values Exceed Upper Control Limit

MW77

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW78

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	9.1	703	97.9	8.3		4499.7
07 AUG 2002	9.6	689	102.4	8.4		4501.2
03 SEP 2002	9.2	703	98.7	8.6		4504.5
30 SEP 2002	9.7	707	104.0	8.6		4508.9
04 NOV 2002	9.2	697	99.4	8.5		4511.5
02 DEC 2002	9.2	706	101.0	7.7		4513.0
06 JAN 2003	9.4	708	101.6	8.5		4514.0
03 FEB 2003	9.2	704	98.7	8.3		4513.3
03 MAR 2003	9.3	705	100.2	8.6		4514.1
07 APR 2003	9.2	694	98.8	8.5		4517.0
05 MAY 2003	9.1	709	98.8	8.6		4516.8
02 JUN 2003	9.1	715	91.9	8.6		4509.0

* Values Exceed Upper Control Limit

MW78

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW79

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	8.9	728	99.5	8.3		4499.9
07 AUG 2002	8.7	712	98.5	8.2		4501.4
03 SEP 2002	8.8	727	99.4	8.5		4503.5
30 SEP 2002	8.6	729	95.2	8.6		4508.2
04 NOV 2002	9.4	720	102.9	8.4		4511.2
02 DEC 2002	8.8	728	100.7	7.6		4512.5
06 JAN 2003	8.9	730	101.3	8.5		4513.4
03 FEB 2003	8.8	727	99.1	8.3		4512.8
03 MAR 2003	9.0	731	101.2	8.5		4513.7
07 APR 2003	9.0	719	99.7	8.3		4516.0
05 MAY 2003	8.7	735	100.0	8.5		4514.7
02 JUN 2003	8.7	742	91.0	8.5		4504.6

* Values Exceed Upper Control Limit

MW79

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW80

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	9.9	694	107.0	8.2		4501.0
07 AUG 2002	9.6	680	99.8	8.2		4502.8
03 SEP 2002	9.4	686	101.1	8.5		4503.7
30 SEP 2002	9.8	688	102.3	8.6		4507.5
04 NOV 2002	9.5	683	100.4	8.4		4510.2
02 DEC 2002	9.4	689	101.0	7.6		4511.8
06 JAN 2003	9.6	691	101.2	8.5		4512.4
03 FEB 2003	9.4	688	99.2	8.5		4511.9
03 MAR 2003	9.6	690	99.1	8.5		4512.8
07 APR 2003	9.6	678	99.4	8.4		4515.0
05 MAY 2003	9.7	685	101.2	8.6		4511.5
02 JUN 2003	9.3	700	98.0	8.6		4498.8

* Values Exceed Upper Control Limit

MW80

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW81

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	9.4	679	97.2	8.3		4502.2
07 AUG 2002	9.9	671	100.0	8.3		4502.5
03 SEP 2002	9.8	677	100.8	8.6		4504.3
30 SEP 2002	9.7	679	99.3	8.6		4508.6
04 NOV 2002	9.8	669	100.5	8.5		4511.2
02 DEC 2002	9.7	678	99.7	7.7		4511.9
06 JAN 2003	9.8	682	100.3	8.6		4512.9
03 FEB 2003	9.5	677	98.5	8.5		4512.3
03 MAR 2003	9.4	680	98.0	8.6		4513.1
07 APR 2003	9.7	666	98.2	8.5		4515.0
05 MAY 2003	9.6	684	99.7	8.6		4508.5
02 JUN 2003	9.3	695	95.0	8.6		4494.2

* Values Exceed Upper Control Limit

MW81

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW82

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.1	673	96.1	8.3		4498.8
07 AUG 2002	10.5	656	98.0	8.2		4499.1
03 SEP 2002	10.1	659	96.9	7.6		4502.1
30 SEP 2002	10.3	662	98.4	8.0		4504.2
04 NOV 2002	10.5	654	97.2	8.5		4508.2
02 DEC 2002	10.3	662	99.5	7.1		4509.6
07 JAN 2003	10.5	660	100.5	8.6		4510.8
03 FEB 2003	10.3	660	97.7	8.5		4510.5
03 MAR 2003	10.5	659	96.6	8.5		4510.9
07 APR 2003	10.5	649	96.3	8.0		4512.0
05 MAY 2003	10.0	665	95.2	8.6		4506.6
02 JUN 2003	10.0	679	87.7	8.6		4485.3

* Values Exceed Upper Control Limit

MW82

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW83

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	9.7	678	97.9	8.5		4499.0
07 AUG 2002	10.3	673	101.7	8.6		4504.2
03 SEP 2002	9.6	668	97.1	8.8		4502.1
30 SEP 2002	9.9	672	98.4	8.7		4506.0
04 NOV 2002	10.0	658	99.2	8.6		4509.1
02 DEC 2002	10.2	672	103.3	7.7		4509.7
07 JAN 2003	10.2	671	100.6	8.7		4511.1
03 FEB 2003	9.7	667	95.8	8.7		4510.8
03 MAR 2003	10.0	669	98.8	8.7		4511.6
07 APR 2003	10.2	653	95.7	8.7		4513.0
05 MAY 2003	10.2	674	100.8	8.5		4508.4
02 JUN 2003	10.0	687	91.8	8.6		4488.9

* Values Exceed Upper Control Limit

MW83

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW84

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.7	677	104.2	8.0		4498.2
07 AUG 2002	10.3	664	99.9	8.5		4496.5
03 SEP 2002	10.0	663	100.5	8.2		4502.0
30 SEP 2002	10.5	667	103.8	8.4		4505.3
04 NOV 2002	10.6	654	104.7	8.5		4508.5
03 DEC 2002	10.1	668	101.4	7.5		4509.7
07 JAN 2003	10.2	666	101.3	8.6		4511.1
03 FEB 2003	10.1	666	99.7	8.5		4510.6
03 MAR 2003	10.4	667	103.4	8.5		4511.6
07 APR 2003	10.0	672	99.6	8.5		4513.0
05 MAY 2003	10.2	672	100.3	8.6		4509.3
02 JUN 2003	9.9	687	91.7	8.5		4491.1

* Values Exceed Upper Control Limit

MW84

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW85

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.3	668	98.4	8.4		4497.5
07 AUG 2002	10.3	660	98.1	8.4		4500.8
03 SEP 2002	9.9	662	97.8	8.1		4501.4
30 SEP 2002	10.7	665	100.6	8.3		4504.0
04 NOV 2002	10.2	653	99.3	8.4		4507.2
03 DEC 2002	10.5	666	102.1	7.6		4507.7
07 JAN 2003	10.2	666	99.6	8.6		4511.1
03 FEB 2003	10.5	666	100.8	8.3		4510.6
03 MAR 2003	10.2	663	98.9	8.6		4511.6
07 APR 2003	10.2	666	98.8	8.5		4512.0
05 MAY 2003	10.2	662	98.7	8.6		4508.3
04 JUN 2003	10.1	681	90.7	8.6		4496.0

* Values Exceed Upper Control Limit

MW85

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW86

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.4	664	97.3	8.4		4495.8
07 AUG 2002	10.5	658	95.9	8.5		4496.2
03 SEP 2002	10.2	661	95.9	8.6		4500.8
30 SEP 2002	10.5	668	98.2	8.6		4505.0
04 NOV 2002	10.3	667	98.1	8.4		4508.2
03 DEC 2002	10.3	666	99.4	7.8		4509.9
07 JAN 2003	10.2	654	97.8	8.5		4511.2
03 FEB 2003	10.8	667	98.7	8.3		4510.3
03 MAR 2003	10.3	662	98.6	8.5		4511.8
16 APR 2003	10.4	657	96.3	8.6		4512.0
05 MAY 2003	10.4	666	98.7	8.5		4510.9
02 JUN 2003	10.6	682	93.5	8.4		4500.5

* Values Exceed Upper Control Limit

MW86

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW87

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.6	667	104.7	8.4		4495.0
07 AUG 2002	10.4	659	102.3	8.4		4496.2
03 SEP 2002	10.3	663	103.7	8.5		4500.9
30 SEP 2002	10.6	664	104.7	8.5		4504.4
04 NOV 2002	10.3	666	103.2	8.3		4508.0
03 DEC 2002	9.9	665	100.1	7.7		4509.5
07 JAN 2003	10.0	657	99.8	8.4		4512.0
03 FEB 2003	10.2	672	102.7	8.3		4511.1
03 MAR 2003	10.2	666	101.6	8.4		4512.4
07 APR 2003	10.2	668	100.8	8.5		4512.0
05 MAY 2003	10.4	666	102.9	8.4		4513.0
02 JUN 2003	9.9	683	92.4	8.3		4504.9

* Values Exceed Upper Control Limit

MW87

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW88

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.0	673	102.0	8.4		4494.4
07 AUG 2002	10.3	665	104.0	8.4		4500.0
03 SEP 2002	9.8	675	100.1	8.5		4501.4
01 OCT 2002	9.7	676	101.7	8.5		4505.9
04 NOV 2002	9.8	669	100.3	8.4		4508.8
03 DEC 2002	9.9	671	102.9	7.7		4510.9
07 JAN 2003	10.2	665	103.1	8.4		4512.8
03 FEB 2003	9.8	670	100.5	8.4		4511.5
03 MAR 2003	9.9	666	100.5	8.5		4513.1
07 APR 2003	9.9	671	100.5	8.6		4512.0
05 MAY 2003	10.2	668	101.4	8.5		4515.2
02 JUN 2003	9.6	688	90.7	8.3		4508.6

* Values Exceed Upper Control Limit

MW88

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW89

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.6		823	121.3				
Date								
01 JUL 2002	13.6		710	108.8		8.3		4493.5
07 AUG 2002	14.0	*	703	112.0		8.4		4497.7
03 SEP 2002	13.9	*	714	115.1		8.5		4501.9
01 OCT 2002	13.9	*	715	117.4		8.4		4505.2
04 NOV 2002	13.2		713	112.3		8.4		4509.6
03 DEC 2002	13.5		716	117.6		7.7		4509.4
07 JAN 2003	14.4	*	708	122.8	*	8.5		4513.5
09 JAN 2003	14.3	*	704	119.8		8.4		4508.8
09 JAN 2003	14.2	*	710	118.2		8.4		4508.8
03 FEB 2003	14.0	*	712	112.0		8.3		4512.0
03 MAR 2003	13.8	*	707	114.1		8.5		4514.1
07 APR 2003	14.0	*	720	118.2		8.5		4513.0
05 MAY 2003	13.8	*	713	117.4		8.5		4517.0
02 JUN 2003	12.9		731	104.5		8.4		4511.7

* Values Exceed Upper Control Limit

MW89

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW90

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	823	121.3			
Date						
01 JUL 2002	10.2	682	103.2	8.2		4502.2
07 AUG 2002	9.6	676	97.8	8.4		4508.3
03 SEP 2002	9.3	679	96.2	8.4		4504.7
01 OCT 2002	9.7	682	101.5	8.4		4508.8
04 NOV 2002	9.7	675	99.1	8.4		4511.6
03 DEC 2002	9.5	683	100.2	7.7		4511.1
08 JAN 2003	9.4	679	98.4	8.6		4512.4
03 FEB 2003	9.5	681	98.1	8.5		4512.1
03 MAR 2003	9.5	684	98.8	8.5		4512.6
07 APR 2003	9.7	686	101.9	8.6		4515.0
05 MAY 2003	9.7	685	99.3	8.5		4502.5
02 JUN 2003	10.0	695	94.4	8.6		4488.0

* Values Exceed Upper Control Limit

MW90

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW101

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	10.0	678	100.7	8.2		4503.5
07 AUG 2002	10.2	684	100.9	8.5		4510.7
03 SEP 2002	9.6	680	97.1	8.5		4505.9
01 OCT 2002	9.9	676	98.6	7.8		4508.7
04 NOV 2002	9.9	667	99.0	8.4		4510.7
03 DEC 2002	9.7	676	98.9	7.6		4512.3
07 JAN 2003	9.6	675	96.2	8.5		4513.1
03 FEB 2003	9.9	674	100.8	8.5		4513.5
04 MAR 2003	10.4	676	103.0	8.5		4513.2
07 APR 2003	10.2	683	100.5	8.2		4515.0
05 MAY 2003	9.7	690	97.6	8.6		4494.0
02 JUN 2003	9.7	695	89.8	8.5		4481.9

* Values Exceed Upper Control Limit

MW101

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW102

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	10.3	669	100.6	8.2		4503.4
07 AUG 2002	10.1	671	97.3	8.5		4506.0
03 SEP 2002	10.0	670	98.7	8.5		4504.3
01 OCT 2002	9.8	672	96.9	7.8		4507.8
04 NOV 2002	9.8	670	97.4	8.4		4509.6
03 DEC 2002	9.5	684	98.6	7.7		4511.3
07 JAN 2003	9.7	679	96.0	8.5		4511.5
03 FEB 2003	9.7	674	97.2	7.8		4511.8
04 MAR 2003	9.8	674	98.6	8.6		4509.3
07 APR 2003	10.2	677	97.9	8.6		4514.0
05 MAY 2003	10.2	670	96.1	8.6		4492.3
02 JUN 2003	10.0	679	88.5	8.5		4476.7

* Values Exceed Upper Control Limit

MW102

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW103

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	9.8	672	96.9	8.4		4504.8
07 AUG 2002	9.7	673	96.1	8.7		4507.7
03 SEP 2002	9.7	671	96.0	8.8		4506.3
01 OCT 2002	9.4	672	97.2	7.3		4510.5
04 NOV 2002	9.8	671	100.5	8.5		4512.4
03 DEC 2002	9.6	679	100.3	7.0		4514.4
07 JAN 2003	9.7	677	96.9	8.8		4512.9
03 FEB 2003	9.7	670	96.0	8.1		4513.0
04 MAR 2003	9.5	684	96.8	8.7		4512.8
07 APR 2003	9.8	676	97.4	8.1		4514.0
05 MAY 2003	9.7	676	95.5	8.6		4501.7
02 JUN 2003	9.6	684	86.0	8.6		4483.7

* Values Exceed Upper Control Limit

MW103

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW104

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	9.4	687	96.6	8.2		4502.3
07 AUG 2002	9.6	686	97.0	8.5		4500.9
03 SEP 2002	9.7	685	98.9	8.5		4504.4
01 OCT 2002	9.6	686	100.1	7.5		4506.8
04 NOV 2002	9.4	688	97.7	8.4		4508.7
03 DEC 2002	9.6	693	99.3	7.2		4510.0
07 JAN 2003	9.4	685	97.5	8.5		4510.8
03 FEB 2003	9.3	692	95.8	8.3		4511.2
04 MAR 2003	9.7	685	97.4	8.7		4510.5
07 APR 2003	9.5	687	96.8	8.5		4513.0
07 MAY 2003	9.9	695	99.0	8.7		4499.0
02 JUN 2003	9.4	706	88.6	8.5		4479.3

* Values Exceed Upper Control Limit

MW104

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW105

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	9.9	670	95.2	8.0		4501.5
07 AUG 2002	10.0	666	94.7	8.5		4504.7
03 SEP 2002	10.0	660	97.1	7.6		4503.3
01 OCT 2002	9.9	672	97.8	7.5		4505.0
04 NOV 2002	9.8	685	95.7	8.3		4506.6
03 DEC 2002	10.4	674	102.7	7.5		4506.4
07 JAN 2003	9.7	669	95.9	8.4		4509.8
03 FEB 2003	9.8	674	96.3	8.2		4510.2
04 MAR 2003	9.9	670	96.8	8.6		4509.9
07 APR 2003	9.8	672	95.1	8.4		4512.0
07 MAY 2003	9.9	675	96.0	8.6		4500.6
02 JUN 2003	9.5	692	87.3	8.6		4473.3

* Values Exceed Upper Control Limit

MW105

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW106

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	10.2	665	95.9	8.2		4501.5
07 AUG 2002	10.3	665	97.1	8.5		4506.2
03 SEP 2002	10.4	661	99.2	8.6		4502.7
01 OCT 2002	10.1	665	96.4	8.4		4506.1
04 NOV 2002	10.4	665	97.1	8.4		4507.1
03 DEC 2002	9.9	663	95.3	7.8		4510.5
07 JAN 2003	10.2	657	95.2	8.5		4509.3
03 FEB 2003	10.1	665	93.2	8.3		4509.6
04 MAR 2003	10.1	663	95.1	8.6		4509.8
07 APR 2003	10.2	661	94.0	8.6		4511.0
07 MAY 2003	10.2	670	95.9	8.6		4499.0
02 JUN 2003	10.3	682	91.7	8.6		4471.3

* Values Exceed Upper Control Limit

MW106

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW107

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	11.2	660	103.7	8.2		4501.3
07 AUG 2002	10.5	656	96.8	8.5		4505.3
03 SEP 2002	9.9	656	93.9	8.5		4503.6
01 OCT 2002	10.1	667	96.6	8.5		4507.7
04 NOV 2002	10.1	659	94.8	8.4		4508.3
03 DEC 2002	10.4	660	99.0	7.8		4511.0
07 JAN 2003	10.3	652	96.2	8.5		4510.3
03 FEB 2003	10.3	661	95.8	8.3		4510.6
04 MAR 2003	10.6	657	99.3	8.6		4510.9
07 APR 2003	10.1	657	95.1	8.6		4512.0
07 MAY 2003	10.6	663	96.7	8.6		4498.6
02 JUN 2003	9.8	678	92.0	8.6		4469.1

* Values Exceed Upper Control Limit

MW107

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW108

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	11.1	658	97.2	8.5		4500.5
07 AUG 2002	10.6	649	93.4	8.6		4503.5
03 SEP 2002	10.3	652	94.3	7.7		4502.3
01 OCT 2002	10.7	661	101.7	7.7		4505.0
04 NOV 2002	10.6	650	94.9	8.5		4506.7
03 DEC 2002	10.4	658	96.5	7.5		4507.6
07 JAN 2003	10.3	660	93.5	8.6		4509.5
03 FEB 2003	10.5	657	95.5	8.6		4509.8
04 MAR 2003	10.8	652	96.4	8.7		4511.0
07 APR 2003	10.8	659	96.5	8.2		4511.0
05 MAY 2003	10.6	661	93.5	8.6		4493.0
02 JUN 2003	10.3	670	85.7	8.6		4463.3

* Values Exceed Upper Control Limit

MW108

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW109

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	10.7	698	95.0	8.3		4500.2
07 AUG 2002	10.6	683	95.6	8.5		4502.4
03 SEP 2002	10.4	689	93.0	7.9		4501.9
01 OCT 2002	10.5	690	94.7	8.0		4504.5
04 NOV 2002	10.7	677	94.1	8.4		4506.9
03 DEC 2002	10.5	682	95.8	7.4		4506.7
07 JAN 2003	10.6	679	95.2	8.4		4509.3
03 FEB 2003	10.6	675	94.6	8.4		4509.5
04 MAR 2003	10.6	671	94.1	8.6		4509.9
07 APR 2003	10.6	676	94.1	8.5		4511.0
05 MAY 2003	10.4	687	92.1	8.5		4495.6
02 JUN 2003	10.2	683	86.1	8.6		4463.4

* Values Exceed Upper Control Limit

MW109

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 2

CHRISTENSEN RANCH

Well I.D. MW110

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	11.3	661	90.6	8.3		4500.9
07 AUG 2002	11.5	648	91.2	8.7		4503.7
03 SEP 2002	10.3	653	91.2	8.5		4502.9
01 OCT 2002	10.2	653	89.8	8.5		4506.7
04 NOV 2002	10.2	645	88.4	8.5		4509.9
03 DEC 2002	10.1	655	90.5	7.9		4509.4
07 JAN 2003	10.4	656	94.2	8.7		4510.7
03 FEB 2003	10.3	655	92.8	8.6		4510.8
04 MAR 2003	10.5	654	93.9	8.7		4511.0
07 APR 2003	10.6	663	94.1	8.8		4512.0
05 MAY 2003	10.7	668	99.7	8.6		4499.8
02 JUN 2003	10.0	678	87.7	8.6		4464.6

* Values Exceed Upper Control Limit

MW110

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW111

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.6	778	124.6			
Date						
01 JUL 2002	11.4	657	96.6	8.4		4500.0
07 AUG 2002	10.4	647	96.9	8.5		4501.7
03 SEP 2002	10.2	649	97.6	8.2		4502.4
01 OCT 2002	10.1	660	101.7	7.9		4506.5
04 NOV 2002	10.4	657	101.4	8.4		4508.8
03 DEC 2002	10.3	654	100.0	7.8		4509.2
07 JAN 2003	10.5	659	98.0	8.5		4510.8
03 FEB 2003	10.2	656	98.2	7.9		4510.7
04 MAR 2003	10.6	656	99.7	8.6		4511.2
07 APR 2003	10.3	661	98.7	7.7		4512.0
05 MAY 2003	10.1	669	95.9	8.6		4503.6
02 JUN 2003	10.0	678	88.0	8.6		4474.3

* Values Exceed Upper Control Limit

MW111

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW114

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
30 JUL 2002	10.1	672	95.8	8.8		4494.4
12 AUG 2002	10.3	660	96.6	8.8		4498.5
09 SEP 2002	10.3	681	97.6	8.9		4498.6
07 OCT 2002	9.8	669	94.3	8.8		4507.5
13 NOV 2002	10.6	657	99.8	8.9		4510.6
10 DEC 2002	10.2	671	99.0	8.6		4511.1
14 JAN 2003	10.5	674	101.9	8.7		4512.3
11 FEB 2003	10.2	670	99.2	8.8		4511.6
10 MAR 2003	10.2	670	99.8	8.8		4511.8
16 APR 2003	10.1	674	97.3	8.7		4514.0
12 MAY 2003	10.2	691	91.2	8.7		4515.0
09 JUN 2003	10.1	685	92.6	8.7		4511.5

* Values Exceed Upper Control Limit

MW114

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW115

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
30 JUL 2002	9.8	676	102.4	8.3		4495.0
13 AUG 2002	9.7	670	100.0	8.6		4498.2
09 SEP 2002	9.9	682	102.8	8.6		4499.4
07 OCT 2002	9.6	676	101.4	8.5		4504.3
13 NOV 2002	10.4	665	107.0	8.5		4507.5
10 DEC 2002	10.0	676	104.0	8.3		4510.2
14 JAN 2003	9.9	685	102.7	8.5		4511.2
11 FEB 2003	10.0	674	103.8	8.5		4510.7
10 MAR 2003	9.9	672	105.0	8.6		4510.2
16 APR 2003	10.3	675	106.6	8.4		4513.0
12 MAY 2003	9.8	690	94.1	8.5		4514.3
09 JUN 2003	9.4	687	92.1	8.4		4509.1

* Values Exceed Upper Control Limit

MW115

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW116

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			
Date						
30 JUL 2002	9.5	665	97.1	8.7		4495.0
12 AUG 2002	10.0	655	99.2	8.9		4499.2
09 SEP 2002	9.9	671	100.3	8.9		4501.0
07 OCT 2002	9.6	662	96.4	8.8		4504.8
13 NOV 2002	10.2	651	98.1	8.9		4515.2
10 DEC 2002	10.2	656	99.5	8.7		4510.0
14 JAN 2003	9.8	666	96.6	8.9		4511.3
11 FEB 2003	10.1	670	95.9	8.8		4510.9
10 MAR 2003	9.5	658	96.5	8.8		4510.5
16 APR 2003	9.8	662	97.1	8.8		4513.0
12 MAY 2003	9.8	674	88.8	8.8		4514.2
09 JUN 2003	9.7	681	90.6	8.7		4508.4

* Values Exceed Upper Control Limit

MW116

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-1

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.7	688	99.9	8.4		4457.8
05 AUG 2002	9.5	686	94.0	8.6		4466.0
04 SEP 2002	9.2	675	98.5	8.6		4498.2
02 OCT 2002	9.4	668	99.6	8.6		4509.6
06 NOV 2002	9.7	658	100.8	8.5		4510.8
04 DEC 2002	9.5	671	101.2	8.1		4513.6
08 JAN 2003	9.3	663	97.9	8.5		4509.9
04 FEB 2003	9.5	667	99.7	8.4		4506.6
04 MAR 2003	9.4	669	100.1	8.7		4517.1
09 APR 2003	9.3	665	98.1	8.7		4519.0
06 MAY 2003	9.7	677	99.8	8.7		4521.9
03 JUN 2003	8.7	686	90.6	8.6		4522.2

* Values Exceed Upper Control Limit

4MW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

Well I.D. 4MW-2

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.3	686	102.7	8.5		4464.4
05 AUG 2002	9.3	684	101.2	8.6		4488.7
04 SEP 2002	9.2	672	102.3	8.6		4500.6
02 OCT 2002	9.3	673	104.5	8.6		4511.8
06 NOV 2002	9.6	657	104.5	8.5		4511.7
04 DEC 2002	9.2	668	103.6	8.1		4518.2
08 JAN 2003	9.5	663	105.4	8.5		4511.3
04 FEB 2003	9.5	662	104.7	8.4		4507.7
04 MAR 2003	9.1	672	103.1	8.7		4516.9
09 APR 2003	9.6	674	105.5	8.6		4520.0
06 MAY 2003	9.5	677	104.3	8.6		4522.0
03 JUN 2003	9.5	689	98.0	8.6		4523.0

* Values Exceed Upper Control Limit

4MW-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-3

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1		825	116.9			
Date							
02 JUL 2002	12.9	*	688	103.2	8.4		4461.8
05 AUG 2002	9.6		683	97.7	8.6		4476.5
04 SEP 2002	9.9		673	99.0	8.6		4488.7
02 OCT 2002	10.7		670	101.9	8.7		4508.6
06 NOV 2002	11.2	*	662	98.3	8.5		4508.7
04 DEC 2002	11.3	*	672	100.5	8.2		4514.1
08 JAN 2003	11.4	*	670	101.6	8.5		4506.0
04 FEB 2003	10.9		672	99.7	8.4		4504.9
04 MAR 2003	10.4		673	98.7	8.7		4515.5
09 APR 2003	11.0		668	100.3	8.7		4518.0
06 MAY 2003	11.1		680	99.5	8.7		4521.3
03 JUN 2003	11.1		691	89.2	8.6		4521.6

* Values Exceed Upper Control Limit

4MW-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-4

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.0	689	99.4	8.4		4460.7
05 AUG 2002	9.5	687	106.8	8.5		4482.2
04 SEP 2002	9.1	677	105.7	8.5		4501.8
02 OCT 2002	9.2	678	106.4	8.5		4510.4
06 NOV 2002	10.0	664	114.2	8.4		4509.8
04 DEC 2002	9.1	673	105.9	8.1		4517.5
08 JAN 2003	9.4	668	107.5	8.4		4509.7
04 FEB 2003	9.5	670	109.3	8.4		4507.0
04 MAR 2003	9.1	676	105.5	8.6		4519.5
09 APR 2003	9.3	678	105.8	8.5		4519.0
06 MAY 2003	9.3	683	106.4	8.6		4523.0
03 JUN 2003	8.9	694	99.0	8.5		4523.9

* Values Exceed Upper Control Limit

4MW-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-5

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.9	702	100.1	8.4		4464.9
05 AUG 2002	9.5	688	99.9	8.6		4478.4
04 SEP 2002	9.3	679	100.7	8.6		4489.3
02 OCT 2002	9.8	668	103.2	8.6		4505.7
06 NOV 2002	9.6	663	101.1	8.5		4504.5
04 DEC 2002	9.5	669	100.6	8.2		4515.1
08 JAN 2003	9.4	668	99.1	8.5		4506.1
04 FEB 2003	10.0	671	101.7	8.4		4503.7
04 MAR 2003	9.8	676	102.8	8.7		4515.7
09 APR 2003	10.2	671	105.5	8.7		4519.0
07 MAY 2003	9.8	681	100.8	8.7		4522.0
03 JUN 2003	9.6	690	92.5	8.6		4522.4

* Values Exceed Upper Control Limit

4MW-5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

Well I.D. 4MW-6

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.2	691	103.6	8.4		4464.8
05 AUG 2002	9.1	678	100.4	8.6		4480.2
04 SEP 2002	9.1	670	102.2	8.6		4492.9
02 OCT 2002	9.4	668	104.0	8.6		4502.1
06 NOV 2002	9.4	659	100.3	8.5		4499.2
04 DEC 2002	9.6	658	105.1	8.1		4506.8
08 JAN 2003	9.5	651	102.5	8.5		4505.1
04 FEB 2003	10.0	655	102.3	8.4		4505.0
04 MAR 2003	9.1	666	102.8	8.7		4517.0
09 APR 2003	9.4	667	101.0	8.7		4517.0
06 MAY 2003	9.4	667	99.9	8.7		4523.7
03 JUN 2003	9.1	674	90.3	8.5		4524.7

* Values Exceed Upper Control Limit

4MW-6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-7

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.4	669	97.8	8.7		4472.1
05 AUG 2002	9.0	655	96.6	8.6		4486.2
03 SEP 2002	9.2	666	99.2	8.6		4498.7
02 OCT 2002	9.2	657	97.0	8.8		4508.3
06 NOV 2002	9.4	654	98.5	8.9		4506.5
04 DEC 2002	9.2	667	98.8	8.2		4515.8
08 JAN 2003	9.3	651	90.6	9.2		4501.7
04 FEB 2003	9.8	662	93.7	9.0		4503.6
04 MAR 2003	9.2	671	98.7	8.7		4516.3
09 APR 2003	9.3	660	94.4	9.5		4516.0
07 MAY 2003	9.1	661	88.9	8.9		4522.8
03 JUN 2003	9.2	679	87.0	9.1		4523.3

* Values Exceed Upper Control Limit

4MW-7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-8

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.2	685	103.6	8.4		4465.8
05 AUG 2002	10.6	684	105.0	8.5		4488.2
04 SEP 2002	9.6	675	105.2	8.6		4498.9
02 OCT 2002	9.0	674	99.9	8.6		4508.3
06 NOV 2002	9.2	661	104.0	8.5		4502.4
04 DEC 2002	9.4	671	107.9	8.1		4516.3
08 JAN 2003	9.4	671	106.4	8.4		4494.4
04 FEB 2003	9.7	667	104.1	8.4		4498.8
04 MAR 2003	9.7	674	106.5	8.6		4512.8
09 APR 2003	9.2	676	101.6	8.6		4512.0
06 MAY 2003	9.3	682	104.6	8.7		4522.4
03 JUN 2003	9.2	692	94.9	8.5		4523.5

* Values Exceed Upper Control Limit

4MW-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-9

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.2	673	99.7	8.4		4474.6
05 AUG 2002	9.2	677	101.7	8.6		4478.7
03 SEP 2002	8.9	668	98.4	8.6		4497.6
01 OCT 2002	9.2	669	101.5	8.5		4506.6
06 NOV 2002	9.2	656	100.7	8.4		4501.6
04 DEC 2002	9.1	669	101.1	8.0		4513.6
08 JAN 2003	9.1	666	99.7	8.3		4495.1
04 FEB 2003	9.4	668	100.5	8.3		4500.2
04 MAR 2003	9.2	671	101.5	8.6		4515.9
09 APR 2003	9.1	667	99.9	8.6		4515.0
07 MAY 2003	9.4	679	102.1	8.6		4522.6
03 JUN 2003	9.2	688	91.9	8.5		4523.2

* Values Exceed Upper Control Limit

4MW-9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 4

CHRISTENSEN RANCH

Well I.D. 4MW-10

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	8.9	683	99.7	8.5		4463.9
05 AUG 2002	9.2	688	99.7	8.5		4487.4
04 SEP 2002	9.2	679	101.7	8.7		4498.8
02 OCT 2002	9.3	675	104.3	8.7		4505.9
06 NOV 2002	9.0	662	101.0	8.6		4501.4
04 DEC 2002	9.3	677	104.8	8.2		4511.2
08 JAN 2003	9.5	673	105.8	8.4		4491.7
04 FEB 2003	9.2	673	103.8	8.5		4501.3
04 MAR 2003	9.5	673	107.1	8.7		4514.4
08 APR 2003	9.3	662	101.4	8.8		4519.0
06 MAY 2003	9.2	668	95.9	8.9		4513.4
03 JUN 2003	9.1	682	88.2	8.7		4524.0

* Values Exceed Upper Control Limit

4MW-10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-11

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.6	673	98.5	8.4		4473.3
05 AUG 2002	9.2	674	100.2	8.6		4496.1
03 SEP 2002	9.3	669	98.0	8.6		4495.9
01 OCT 2002	9.8	665	103.0	8.5		4503.9
06 NOV 2002	9.6	656	98.5	8.4		4498.0
04 DEC 2002	9.4	669	98.5	8.0		4511.7
08 JAN 2003	9.4	668	98.8	8.5		4491.5
04 FEB 2003	9.9	657	97.0	8.4		4497.2
04 MAR 2003	9.6	673	100.7	8.6		4517.2
09 APR 2003	9.7	669	102.8	8.7		4520.0
07 MAY 2003	9.7	679	100.6	8.6		4523.8
03 JUN 2003	9.5	690	91.7	8.5		4524.3

* Values Exceed Upper Control Limit

4MW-11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

Well I.D. 4MW-12

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	8.4	673	100.5	8.3		4477.6
05 AUG 2002	9.3	683	98.1	8.4		4487.7
04 SEP 2002	8.7	674	103.4	8.6		4500.6
02 OCT 2002	8.7	657	103.9	8.6		4508.4
06 NOV 2002	8.9	659	105.0	8.5		4503.4
04 DEC 2002	8.7	671	100.3	8.2		4520.1
08 JAN 2003	8.9	672	103.1	8.4		4491.5
04 FEB 2003	9.2	670	100.0	8.4		4505.6
04 MAR 2003	9.4	670	102.6	8.7		4514.1
08 APR 2003	9.0	658	97.9	8.8		4519.0
07 MAY 2003	9.2	676	99.1	8.8		4522.1
03 JUN 2003	9.2	680	96.5	8.7		4523.5

* Values Exceed Upper Control Limit

4MW-12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-13

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.4	672	96.2	8.4		4501.3
05 AUG 2002	9.1	677	97.0	8.5		4517.8
03 SEP 2002	9.7	669	98.5	8.5		4493.9
01 OCT 2002	9.5	668	97.3	8.5		4502.6
06 NOV 2002	9.9	657	99.1	8.4		4495.0
04 DEC 2002	9.7	670	99.6	8.0		4512.1
08 JAN 2003	9.7	669	100.2	8.4		4488.3
04 FEB 2003	10.2	661	96.9	8.2		4504.1
04 MAR 2003	9.9	674	102.7	8.6		4516.9
09 APR 2003	9.5	671	101.3	8.7		4520.0
07 MAY 2003	9.7	685	102.4	8.5		4524.1
03 JUN 2003	9.8	693	95.9	8.4		4525.3

* Values Exceed Upper Control Limit

4MW-13

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

Well I.D. 4MW-14

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.1	671	109.4	8.3		4476.2
05 AUG 2002	9.7	663	108.4	8.5		4484.7
04 SEP 2002	9.0	667	112.2	8.5		4503.2
02 OCT 2002	8.9	651	114.3	8.5		4509.8
06 NOV 2002	9.2	654	115.1	8.4		4508.7
04 DEC 2002	9.0	660	120.5 *	8.1		4512.3
08 JAN 2003	9.2	663	115.9	8.4		4493.0
04 FEB 2003	9.0	670	112.8	8.4		4510.3
04 MAR 2003	8.9	672	111.8	8.7		4513.7
08 APR 2003	9.2	656	113.8	8.6		4519.0
06 MAY 2003	9.2	675	113.5	8.6		4522.3
03 JUN 2003	8.8	682	105.5	8.5		4523.6

* Values Exceed Upper Control Limit

4MW-14

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-15

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.9	672	98.2	8.4		4498.3
05 AUG 2002	9.9	681	100.8	8.5		4529.0
03 SEP 2002	10.1	670	102.0	8.5		4493.3
01 OCT 2002	9.9	667	98.1	8.5		4500.8
06 NOV 2002	10.5	656	100.8	8.4		4494.0
04 DEC 2002	9.8	670	99.1	8.0		4510.0
08 JAN 2003	9.7	671	101.9	8.4		4487.0
04 FEB 2003	9.6	670	99.0	8.5		4505.2
04 MAR 2003	10.4	673	108.1	8.7		4512.8
08 APR 2003	9.7	662	102.5	8.6		4519.0
07 MAY 2003	9.8	685	101.7	8.6		4523.0
03 JUN 2003	9.5	692	94.5	8.5		4523.6

* Values Exceed Upper Control Limit

4MW-15

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-16

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	8.7	677	103.7	8.3		4472.0
05 AUG 2002	8.6	665	103.4	8.5		4489.4
04 SEP 2002	8.6	672	102.8	8.5		4505.3
02 OCT 2002	8.9	659	106.4	8.5		4510.0
06 NOV 2002	9.1	660	106.8	8.4		4508.8
04 DEC 2002	8.9	673	105.1	8.1		4523.0
08 JAN 2003	9.1	670	107.2	8.3		4489.1
04 FEB 2003	9.0	674	106.8	8.4		4512.7
04 MAR 2003	8.8	673	105.6	8.6		4511.1
08 APR 2003	8.9	663	104.2	8.6		4519.0
06 MAY 2003	8.6	683	105.0	8.6		4521.5
03 JUN 2003	8.7	691	95.9	8.5		4523.0

* Values Exceed Upper Control Limit

4MW-16

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-17

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.6	671	95.8	8.2		4470.9
05 AUG 2002	9.9	679	104.1	8.5		4486.0
03 SEP 2002	9.6	667	98.2	8.4		4494.2
01 OCT 2002	9.5	664	96.5	8.5		4503.3
06 NOV 2002	10.0	657	98.8	8.4		4497.0
04 DEC 2002	9.8	670	100.0	8.0		4514.2
08 JAN 2003	9.8	670	102.4	8.4		4489.1
04 FEB 2003	9.8	669	98.9	8.4		4508.6
04 MAR 2003	9.6	670	98.8	8.6		4504.7
08 APR 2003	9.6	666	102.0	8.6		4519.0
07 MAY 2003	9.9	687	103.8	8.5		4523.4
03 JUN 2003	9.3	693	96.0	8.5		4524.2

* Values Exceed Upper Control Limit

4MW-17

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 4

CHRISTENSEN RANCH

Well I.D. 4MW-18

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.2	684	99.8	8.3		4479.8
05 AUG 2002	9.7	679	98.3	8.4		4494.3
04 SEP 2002	9.2	673	98.8	8.5		4504.8
02 OCT 2002	9.3	665	103.1	8.5		4510.4
06 NOV 2002	9.1	663	95.0	8.4		4510.7
04 DEC 2002	9.2	677	100.6	8.1		4521.7
08 JAN 2003	9.4	676	104.2	8.4		4499.9
04 FEB 2003	9.5	679	104.3	8.4		4516.1
04 MAR 2003	9.5	679	104.4	8.6		4508.8
08 APR 2003	9.6	671	105.2	8.6		4519.0
07 MAY 2003	9.6	687	104.5	8.5		4521.4
03 JUN 2003	9.3	696	97.0	8.5		4522.9

* Values Exceed Upper Control Limit

4MW-18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-19

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.5	671	94.9	8.3		4472.1
05 AUG 2002	9.6	671	97.7	8.5		4490.8
03 SEP 2002	9.7	667	98.6	8.5		4497.9
01 OCT 2002	9.9	663	100.6	8.5		4503.4
06 NOV 2002	10.1	655	100.3	8.4		4497.4
04 DEC 2002	9.8	668	99.1	8.0		4511.2
08 JAN 2003	9.5	673	103.1	8.4		4493.2
04 FEB 2003	10.0	669	101.4	8.4		4510.4
04 MAR 2003	9.7	677	104.1	8.6		4505.0
08 APR 2003	9.8	668	103.6	8.5		4520.0
07 MAY 2003	9.7	686	102.9	8.5		4523.4
03 JUN 2003	9.3	694	93.4	8.5		4524.1

* Values Exceed Upper Control Limit

4MW-19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

Well I.D. 4MW-20

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.1	676	104.3	8.3		4495.8
05 AUG 2002	9.2	671	106.6	8.5		4508.6
03 SEP 2002	9.1	674	107.1	8.5		4509.2
02 OCT 2002	9.7	649	108.5	8.6		4514.9
06 NOV 2002	9.1	666	105.7	8.4		4515.9
04 DEC 2002	8.9	683	107.1	8.0		4524.5
08 JAN 2003	9.0	671	107.1	8.4		4511.5
04 FEB 2003	8.9	680	107.1	8.3		4516.8
04 MAR 2003	8.8	680	106.8	8.6		4514.0
08 APR 2003	9.0	671	107.9	8.5		4518.0
07 MAY 2003	9.3	689	107.3	8.5		4518.3
03 JUN 2003	8.8	699	99.0	8.5		4520.5

* Values Exceed Upper Control Limit

4MW-20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-21

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.5	673	99.0	8.1		4473.4
05 AUG 2002	9.9	663	105.3	8.4		4554.6
03 SEP 2002	9.8	669	102.1	8.4		4504.1
01 OCT 2002	9.5	665	101.0	8.4		4509.5
06 NOV 2002	9.9	658	101.5	8.2		4506.6
04 DEC 2002	9.6	670	101.7	7.9		4518.2
08 JAN 2003	9.8	668	104.6	8.3		4502.7
04 FEB 2003	9.7	668	100.9	8.3		4514.0
04 MAR 2003	9.6	671	102.7	8.5		4510.8
08 APR 2003	9.7	663	103.0	8.5		4520.0
07 MAY 2003	9.7	682	102.8	8.4		4523.4
03 JUN 2003	9.3	690	99.2	8.4		4522.3

* Values Exceed Upper Control Limit

4MW-21

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-22

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	10.1	682	103.1	8.2		4494.1
05 AUG 2002	9.5	689	103.3	8.4		4500.8
03 SEP 2002	9.3	678	104.5	8.4		4510.3
02 OCT 2002	9.0	672	103.2	8.5		4513.8
06 NOV 2002	9.2	671	104.5	8.4		4515.6
04 DEC 2002	9.3	684	105.7	8.0		4523.0
08 JAN 2003	9.5	678	108.3	8.3		4512.8
04 FEB 2003	9.5	678	108.9	8.4		4517.9
04 MAR 2003	9.5	680	106.1	8.6		4515.1
08 APR 2003	9.3	672	104.1	8.5		4519.0
07 MAY 2003	9.9	691	107.4	8.5		4518.6
03 JUN 2003	9.8	700	101.2	8.5		4521.5

* Values Exceed Upper Control Limit

4MW-22

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

Well I.D. 4MW-23

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.5	682	101.1	8.2		4475.6
05 AUG 2002	9.5	670	102.4	8.4		4496.9
03 SEP 2002	9.3	676	102.8	8.4		4513.7
01 OCT 2002	9.8	673	107.5	8.4		4513.7
06 NOV 2002	9.5	666	103.4	8.3		4513.6
04 DEC 2002	9.6	679	104.3	7.9		4522.6
08 JAN 2003	9.5	674	104.7	8.2		4509.0
04 FEB 2003	9.7	677	104.7	8.3		4516.9
04 MAR 2003	9.3	677	102.2	8.5		4516.0
08 APR 2003	9.8	668	105.0	8.5		4522.0
06 MAY 2003	9.6	688	103.3	8.5		4524.4
03 JUN 2003	9.2	698	94.2	8.4		4525.2

* Values Exceed Upper Control Limit

4MW-23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

Well I.D. 4MW-24

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.3	677	101.2	8.1		4489.1
05 AUG 2002	9.4	686	101.1	8.4		4510.4
03 SEP 2002	9.3	675	102.3	8.5		4511.4
02 OCT 2002	9.1	681	102.6	8.4		4517.4
06 NOV 2002	9.4	668	103.3	8.4		4518.5
04 DEC 2002	9.4	681	104.7	8.0		4525.6
08 JAN 2003	9.5	675	105.7	8.3		4513.9
04 FEB 2003	9.4	676	103.5	8.3		4519.4
04 MAR 2003	9.3	678	102.4	8.5		4517.4
08 APR 2003	9.6	687	104.6	8.5		4522.0
06 MAY 2003	9.3	706	102.4	8.5		4522.5
03 JUN 2003	9.2	712	92.8	8.4		4523.5

* Values Exceed Upper Control Limit

4MW-24

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4MW-25

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
02 JUL 2002	9.4	686	102.1	8.1		4487.3
05 AUG 2002	9.8	682	106.7	8.4		4538.0
03 SEP 2002	9.7	680	106.9	8.5		4510.6
02 OCT 2002	9.2	673	104.0	8.5		4516.7
06 NOV 2002	9.5	671	105.3	8.4		4518.1
04 DEC 2002	9.2	684	102.8	8.0		4524.5
08 JAN 2003	9.4	676	104.5	8.3		4514.9
04 FEB 2003	9.4	681	104.2	8.3		4519.1
04 MAR 2003	9.4	680	105.1	8.5		4518.1
08 APR 2003	9.5	672	103.7	8.5		4523.0
06 MAY 2003	9.5	691	104.1	8.4		4524.1
03 JUN 2003	9.2	698	94.4	8.4		4524.7

* Values Exceed Upper Control Limit

4MW-25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW1

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	8.7	795	103.5	8.4		4561.4
21 AUG 2002	8.0	813	100.0	8.3		4545.2
16 SEP 2002	8.3	831	101.6	8.3		4542.9
21 OCT 2002	7.9	869	97.2	8.3		4544.0
18 NOV 2002	8.0	862	99.1	8.3		4546.0
17 DEC 2002	8.4	834	102.4	8.3		4541.5
21 JAN 2003	8.7	777	105.8	8.2		4540.0
18 FEB 2003	7.9	849	99.4	8.3		4546.1
18 MAR 2003	7.6	886	96.0	8.3		4543.0
22 APR 2003	7.3	911	93.3	8.4		4542.8
19 MAY 2003	7.5	994	87.3	8.3		4548.7
17 JUN 2003	7.0	1015 *	85.2	8.4		4542.5

* Values Exceed Upper Control Limit

5MW1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW2

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance		Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm		mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004		134.3			
Date							
16 JUL 2002	8.6	1116	*	99.8	8.4		4533.4
21 AUG 2002	8.7	1013	*	98.1	8.2		4533.2
16 SEP 2002	8.2	1105	*	94.8	8.5		4526.8
21 OCT 2002	8.0	1079	*	99.0	8.3		4528.5
18 NOV 2002	8.0	1202	*	105.5	8.1		4522.9
16 DEC 2002	8.2	1159	*	107.4	8.1		4525.7
20 JAN 2003	8.2	1119	*	106.6	8.2		4533.4
18 FEB 2003	7.8	1071	*	99.6	8.3		4533.6
18 MAR 2003	8.2	1133	*	103.4	8.2		4527.0
22 APR 2003	8.2	1182	*	104.7	8.3		4525.3
19 MAY 2003	7.9	1291	*	97.8	8.1		4533.8
17 JUN 2003	7.8	1276	*	98.1	8.3		4532.0

* Values Exceed Upper Control Limit

5MW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW3

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	8.4	758	101.3	8.3		4552.5
21 AUG 2002	8.2	760	102.0	8.3		4546.4
16 SEP 2002	8.4	773	101.2	8.3		4547.6
21 OCT 2002	8.3	765	102.0	8.3		4549.5
19 NOV 2002	8.1	761	98.9	8.1		4546.3
17 DEC 2002	8.4	758	104.5	8.3		4540.5
21 JAN 2003	8.7	738	108.7	8.2		4566.9
18 FEB 2003	8.3	738	103.6	8.3		4546.6
18 MAR 2003	8.1	835	102.4	8.2		4543.0
22 APR 2003	7.2	873	95.8	8.3		4540.8
19 MAY 2003	7.6	857	91.6	8.2		4550.1
17 JUN 2003	7.0	900	87.0	8.3		4543.9

* Values Exceed Upper Control Limit

5MW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW4

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	9.9	811	113.2	8.5		4553.8
21 AUG 2002	9.9	775	113.9	8.4		4542.4
16 SEP 2002	10.4	779	117.6	8.3		4534.9
21 OCT 2002	10.3	791	116.1	8.4		4536.4
18 NOV 2002	10.2	792	116.2	8.4		4527.9
16 DEC 2002	10.6	796	117.3	8.3		4535.8
20 JAN 2003	9.8	866	115.2	8.3		4535.9
18 FEB 2003	9.3	955	111.5	8.4		4539.8
18 MAR 2003	10.4	963	116.9	8.3		4535.0
22 APR 2003	10.1	948	115.8	8.3		4534.0
19 MAY 2003	9.8	951	107.0	8.4		4541.2
17 JUN 2003	9.3	946	104.1	8.4		4537.8

* Values Exceed Upper Control Limit

5MW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW5

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	7.8	871	96.3	8.3		4530.3
21 AUG 2002	7.2	884	93.0	8.2		4542.2
16 SEP 2002	7.2	880	91.1	8.2		4543.9
21 OCT 2002	7.2	884	91.5	8.3		4545.2
19 NOV 2002	7.2	861	91.3	8.1		4542.6
17 DEC 2002	8.1	780	103.6	8.3		4536.8
21 JAN 2003	8.2	759	103.7	8.3		4539.6
18 FEB 2003	8.0	761	102.4	8.2		4545.5
18 MAR 2003	8.3	779	104.0	8.3		4543.0
22 APR 2003	7.8	818	100.2	8.3		4542.1
19 MAY 2003	8.1	785	93.3	8.3		4550.0
17 JUN 2003	7.8	803	92.0	8.4		4544.4

* Values Exceed Upper Control Limit

5MW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW6

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	9.8	812	113.3	8.6		4557.1
20 AUG 2002	9.9	828	112.5	8.4		4538.0
16 SEP 2002	9.6	858	111.8	8.3		4538.6
21 OCT 2002	9.4	836	116.1	8.4		4539.5
18 NOV 2002	9.1	731	113.6	8.4		4537.8
16 DEC 2002	11.6	1006 *	108.5	8.3		4533.6
20 JAN 2003	9.8	673	118.9	8.5		4535.2
18 FEB 2003	9.8	651	120.7	8.6		4540.5
18 MAR 2003	9.3	829	115.3	8.3		4537.0
22 APR 2003	9.0	879	112.8	8.4		4535.7
19 MAY 2003	9.1	789	104.5	8.5		4542.4
17 JUN 2003	9.0	759	96.2	8.2		4538.3

* Values Exceed Upper Control Limit

5MW6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW7

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	7.3	882	92.2	8.4		4504.3
21 AUG 2002	7.2	890	93.5	8.3		4540.0
16 SEP 2002	7.5	902	96.2	8.2		4544.5
21 OCT 2002	7.5	906	96.9	8.3		4545.9
19 NOV 2002	7.8	880	97.2	8.2		4544.0
17 DEC 2002	7.9	851	97.9	8.3		4536.2
22 JAN 2003	7.9	848	98.2	8.2		4538.3
18 FEB 2003	7.5	857	95.8	8.3		4543.9
18 MAR 2003	7.6	879	98.2	8.3		4543.0
22 APR 2003	7.4	876	100.7	8.4		4543.0
19 MAY 2003	7.0	905	101.7	8.4		4548.9
17 JUN 2003	6.9	903	89.4	8.4		4543.8

* Values Exceed Upper Control Limit

5MW7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW8

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	23		1423		122.5				
Date									
16 JUL 2002	12.1		848		134.9	*	8.3		4566.1
21 AUG 2002	12.0		752		126.6	*	8.2		4544.7
16 SEP 2002	12.9		772		122.9	*	8.2		4547.4
21 OCT 2002	14.4		808		135.9	*	8.2		4549.8
18 NOV 2002	21.5		930		183.7	*	7.9		4546.2
16 DEC 2002	43.8	*	1744	*	490.4	*	7.5		4534.2
17 DEC 2002	43.8	*	1745	*	491.2	*	7.3		4534.2
23 DEC 2002	47.4	*	1717	*	477.4	*	7.7		4532.1
30 DEC 2002	48.2	*	1746	*	483.0	*	7.6		4533.2
06 JAN 2003	49.4	*	1677	*	479.6	*	7.6		4530.5
13 JAN 2003	49.0	*	1657	*	479.6	*	7.5		4533.9
20 JAN 2003	44.0	*	1545	*	412.2	*	7.5		4534.0
27 JAN 2003	42.4	*	1421		382.8	*	7.5		4534.0
03 FEB 2003	35.4	*	1348		302.8	*	7.5		4536.1
10 FEB 2003	34.6	*	1223		294.6	*	7.6		4535.6
18 FEB 2003	40.6	*	1351		339.2	*	7.8		4542.0
24 FEB 2003	42.2	*	1349		344.0	*	7.7		4542.5
04 MAR 2003	38.4	*	1307		307.8	*	7.6		4541.7
12 MAR 2003	39.6	*	1308		319.2	*	7.6		4541.1
18 MAR 2003	37.4	*	1310		304.2	*	7.7		4540.0
25 MAR 2003	37.8	*	1341		309.0	*	7.6		4540.0
01 APR 2003	34.4	*	1280		289.6	*	7.7		4536.0
09 APR 2003	33.6	*	1245		270.2	*	7.7		4539.0
14 APR 2003	31.4	*	1221		267.6	*	7.8		4535.0
22 APR 2003	32.4	*	1228		283.7	*	7.9		4538.3
29 APR 2003	30.3	*	1186		264.7	*	7.8		4533.4
06 MAY 2003	29.8	*	1184		257.9	*	7.7		4541.6
12 MAY 2003	29.5	*	1212		250.8	*	7.7		4543.6
19 MAY 2003	27.9	*	1144		237.9	*	7.9		4544.2
27 MAY 2003	26.1	*	1137		229.9	*	7.7		4541.2
02 JUN 2003	25.7	*	1123		223.6	*	7.7		4541.1
10 JUN 2003	25.5	*	1089		204.1	*	7.8		4540.9
17 JUN 2003	23.3	*	1055		208.1	*	8.0		4539.9
26 JUN 2003	23.2	*	1037		201.1	*	7.8		4540.8

* Values Exceed Upper Control Limit

5MW8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW10

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	22.7	1004	134.3				
Date							
16 JUL 2002	12.6	826	143.5	*	8.4		4561.6
21 AUG 2002	13.5	817	150.8	*	8.4		4539.0
16 SEP 2002	14.0	836	163.1	*	8.0		4544.4
21 OCT 2002	14.8	860	174.3	*	8.1		4545.7
18 NOV 2002	16.0	896	187.8	*	8.0		4543.0
16 DEC 2002	13.0	816	153.8	*	8.4		4533.1
23 JAN 2003	9.9	762	121.1		8.2		4535.7
18 FEB 2003	9.6	739	118.6		8.3		4542.7
18 MAR 2003	10.2	763	120.7		8.3		4541.0
22 APR 2003	11.1	774	130.9		8.4		4539.4
19 MAY 2003	11.5	765	113.4		8.4		4545.6
17 JUN 2003	9.8	760	112.3		8.5		4542.0

* Values Exceed Upper Control Limit

5MW10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW12

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1725	145.4			
Date						
16 JUL 2002	8.8	871	110.4	8.4		4542.5
21 AUG 2002	8.6	823	107.8	8.3		4533.1
16 SEP 2002	9.3	970	124.7	8.1		4528.3
21 OCT 2002	9.0	940	122.2	8.2		4529.8
18 NOV 2002	9.8	875	117.4	8.0		4534.1
16 DEC 2002	8.9	996	124.0	8.1		4528.0
21 JAN 2003	9.1	842	115.0	8.1		4532.8
18 FEB 2003	8.8	826	108.6	8.3		4537.6
18 MAR 2003	8.7	815	107.2	8.2		4536.0
22 APR 2003	8.9	793	106.7	8.3		4534.2
19 MAY 2003	8.9	954	109.8	8.2		4541.2
17 JUN 2003	8.5	804	97.5	8.3		4538.6

* Values Exceed Upper Control Limit

5MW12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW14

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	8.9	711	110.1	8.6		4563.6
21 AUG 2002	9.2	684	113.6	8.5		4532.8
16 SEP 2002	9.4	688	115.7	8.5		4538.0
21 OCT 2002	9.2	683	116.5	8.5		4537.2
18 NOV 2002	9.1	684	112.6	8.4		4533.3
16 DEC 2002	9.2	699	113.6	8.4		4529.8
21 JAN 2003	9.2	679	118.7	8.4		4535.1
18 FEB 2003	9.5	685	120.7	8.5		4538.0
18 MAR 2003	9.4	693	114.9	8.4		4537.0
22 APR 2003	8.7	685	109.5	8.5		4535.5
19 MAY 2003	9.0	702	104.2	8.5		4542.3
17 JUN 2003	9.0	695	104.8	8.5		4540.6

* Values Exceed Upper Control Limit

5MW14

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW16

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	8.6	799	106.9	8.5		4546.0
21 AUG 2002	8.2	793	105.4	8.4		4530.4
16 SEP 2002	8.3	790	102.6	8.3		4534.0
21 OCT 2002	8.0	801	100.7	8.4		4534.4
18 NOV 2002	8.2	790	103.1	8.3		4531.3
17 DEC 2002	8.1	783	102.9	8.3		4529.4
21 JAN 2003	8.4	715	105.7	8.3		4533.7
18 FEB 2003	8.6	729	109.4	8.4		4538.4
18 MAR 2003	9.2	723	108.4	8.3		4538.0
22 APR 2003	8.7	730	107.6	8.5		4536.9
19 MAY 2003	8.5	746	98.5	8.5		4543.4
17 JUN 2003	8.3	760	96.4	8.4		4541.5

* Values Exceed Upper Control Limit

5MW16

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW18

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	7.8	857	99.2	8.5		4549.3
21 AUG 2002	7.3	852	97.3	8.3		4531.1
16 SEP 2002	7.6	848	97.9	8.3		4539.9
21 OCT 2002	7.5	855	97.6	8.3		4540.8
18 NOV 2002	7.6	846	98.2	8.2		4535.6
17 DEC 2002	8.5	779	106.0	8.3		4531.5
21 JAN 2003	8.2	773	103.1	8.3		4536.6
18 FEB 2003	7.6	851	100.7	8.3		4537.1
18 MAR 2003	7.3	847	97.4	8.4		4537.0
22 APR 2003	7.5	877	97.9	8.4		4536.3
19 MAY 2003	7.4	905	89.8	8.4		4542.7
17 JUN 2003	7.2	880	88.3	8.2		4540.6

* Values Exceed Upper Control Limit

5MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW20

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	24.1 *	1005 *	151.9 *	8.2		4537.4
18 JUL 2002	7.7	832	93.4	8.3		4537.4
18 JUL 2002	13.7	928	113.8	8.2		4537.4
21 AUG 2002	6.8	946	92.7	8.4		4527.3
16 SEP 2002	7.1	898	84.0	8.6		4540.3
21 OCT 2002	7.0	941	87.3	8.4		4539.4
19 NOV 2002	7.3	879	88.2	8.5		4536.9
17 DEC 2002	8.0	849	102.7	8.3		4533.9
22 JAN 2003	8.7	795	95.6	8.5		4535.6
18 FEB 2003	7.9	910	87.9	8.5		4541.2
18 MAR 2003	7.0	888	83.9	8.6		4542.0
22 APR 2003	6.7	920	88.7	8.5		4540.6
19 MAY 2003	6.8	964	86.7	8.3		4546.7
17 JUN 2003	6.7	957	85.0	8.4		4539.8

* Values Exceed Upper Control Limit

5MW20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW30A

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	8.6	661	104.6	8.7		4529.7
19 AUG 2002	8.5	670	107.9	8.7		4529.0
17 SEP 2002	8.5	649	98.5	8.8		4520.5
22 OCT 2002	9.0	658	100.1	8.6		4522.0
19 NOV 2002	8.5	655	103.3	8.6		4525.1
16 DEC 2002	8.4	652	101.8	8.6		4525.7
21 JAN 2003	8.4	644	103.3	8.7		4523.2
18 FEB 2003	8.3	673	111.8	8.6		4514.6
17 MAR 2003	8.4	678	111.9	8.6		4487.0
21 APR 2003	8.2	673	110.7	8.6		4472.0
19 MAY 2003	8.2	691	101.7	8.5		4485.1
17 JUN 2003	8.6	690	106.8	8.5		4483.6

* Values Exceed Upper Control Limit

5MW30A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW31

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	9.0	642	105.7	8.7		4538.3
19 AUG 2002	8.6	655	109.1	8.7		4531.5
17 SEP 2002	8.7	636	107.3	8.7		4526.7
22 OCT 2002	9.0	654	111.7	8.7		4527.9
19 NOV 2002	8.9	647	109.7	8.5		4528.6
16 DEC 2002	9.0	635	109.5	8.6		4527.4
21 JAN 2003	8.7	632	109.2	8.6		4528.6
18 FEB 2003	8.6	668	111.4	8.6		4515.7
17 MAR 2003	8.7	670	111.2	8.6		4490.0
21 APR 2003	9.0	660	115.9	8.6		4477.0
19 MAY 2003	8.7	684	111.5	8.5		4488.5
17 JUN 2003	8.5	683	99.2	8.6		4487.7

* Values Exceed Upper Control Limit

5MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW32A

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	9.5	698	110.1	8.7		4528.1
19 AUG 2002	9.0	676	111.1	8.7		4528.2
17 SEP 2002	8.5	673	107.8	8.6		4524.0
22 OCT 2002	8.3	671	108.2	8.6		4525.3
19 NOV 2002	8.5	664	107.6	8.6		4523.3
16 DEC 2002	8.7	660	107.3	8.7		4524.2
21 JAN 2003	9.1	655	105.0	8.7		4522.8
18 FEB 2003	8.2	675	109.2	8.7		4513.9
17 MAR 2003	8.4	677	109.7	8.6		4489.0
21 APR 2003	8.4	672	111.4	8.6		4480.0
19 MAY 2003	8.4	690	101.0	8.5		4490.1
17 JUN 2003	8.3	689	102.1	8.5		4490.0

* Values Exceed Upper Control Limit

5MW32A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW33

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	8.9	665	106.6	8.6		4535.8
19 AUG 2002	8.6	673	107.7	8.6		4534.8
17 SEP 2002	8.7	666	108.5	8.5		4523.2
22 OCT 2002	8.3	677	101.8	8.6		4524.6
19 NOV 2002	8.9	665	109.1	8.4		4529.7
16 DEC 2002	8.6	667	105.2	8.4		4530.5
21 JAN 2003	8.6	660	106.6	8.4		4527.3
18 FEB 2003	8.7	676	107.6	8.5		4517.5
17 MAR 2003	8.8	676	107.1	8.5		4495.0
21 APR 2003	8.8	670	107.4	8.6		4483.0
19 MAY 2003	8.8	688	98.6	8.5		4491.8
17 JUN 2003	8.6	687	98.3	8.5		4491.3

* Values Exceed Upper Control Limit

5MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW34

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.6	693	111.0	8.6		4528.3
19 AUG 2002	8.8	708	113.3	8.5		4528.1
17 SEP 2002	8.3	676	110.2	8.5		4523.2
22 OCT 2002	8.8	673	115.0	8.4		4524.7
19 NOV 2002	8.5	671	111.2	8.3		4523.0
16 DEC 2002	8.5	671	112.3	8.4		4523.1
21 JAN 2003	8.3	668	110.4	8.4		4522.4
18 FEB 2003	8.5	677	113.2	8.5		4513.3
17 MAR 2003	8.7	678	112.0	8.5		4490.0
21 APR 2003	8.5	672	111.2	8.5		4479.0
19 MAY 2003	8.1	693	97.7	8.5		4492.0
17 JUN 2003	8.1	691	99.4	8.5		4496.5

* Values Exceed Upper Control Limit

5MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW35A

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	8.9	667	107.8	8.7		4542.5
19 AUG 2002	8.7	674	111.5	8.7		4546.3
17 SEP 2002	9.2	667	113.8	8.6		4531.6
22 OCT 2002	8.5	678	106.8	8.6		4532.8
19 NOV 2002	8.7	667	109.1	8.4		4537.1
16 DEC 2002	8.7	668	109.2	8.5		4529.5
21 JAN 2003	8.5	663	108.4	8.4		4532.1
18 FEB 2003	8.5	677	109.2	8.6		4513.3
17 MAR 2003	8.9	678	110.8	8.5		4491.0
21 APR 2003	8.6	667	110.3	8.7		4478.0
19 MAY 2003	8.6	689	99.9	8.3		4487.1
17 JUN 2003	8.5	688	99.1	8.5		4487.7

* Values Exceed Upper Control Limit

5MW35A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW36

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.8	690	113.4	8.7		4528.4
19 AUG 2002	8.8	689	111.0	8.9		4529.0
17 SEP 2002	8.3	677	110.4	8.6		4522.8
22 OCT 2002	8.3	673	110.1	8.5		4523.9
19 NOV 2002	8.8	668	112.4	8.4		4523.9
16 DEC 2002	8.3	669	110.7	8.7		4523.2
21 JAN 2003	8.3	671	110.6	8.4		4522.1
18 FEB 2003	8.3	679	113.0	8.6		4511.7
17 MAR 2003	8.4	679	112.0	8.6		4486.0
21 APR 2003	8.6	676	111.6	8.7		4479.0
19 MAY 2003	9.0	693	107.3	8.6		4491.4
17 JUN 2003	8.5	691	102.9	8.6		4496.8

* Values Exceed Upper Control Limit

5MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW37

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	8.6	646	112.4	8.7		4540.7
19 AUG 2002	8.1	650	112.0	8.7		4538.2
17 SEP 2002	8.8	658	115.5	8.6		4533.1
22 OCT 2002	7.9	665	105.9	8.7		4533.8
19 NOV 2002	8.5	655	112.3	8.5		4529.9
16 DEC 2002	8.6	656	114.4	8.5		4530.7
21 JAN 2003	8.7	652	117.0	8.5		4525.2
18 FEB 2003	8.4	664	115.2	8.6		4511.7
17 MAR 2003	9.3	656	123.5	8.7		4488.0
21 APR 2003	8.7	659	115.8	8.6		4475.0
19 MAY 2003	8.7	657	111.0	8.5		4485.0
17 JUN 2003	8.3	680	104.4	8.5		4487.7

* Values Exceed Upper Control Limit

5MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW38

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.5	708	120.5	8.5		4528.6
19 AUG 2002	8.6	710	119.5	8.6		4528.8
17 SEP 2002	8.1	694	114.8	8.5		4522.9
22 OCT 2002	8.5	687	118.2	8.3		4522.3
19 NOV 2002	8.5	681	116.6	8.3		4521.2
16 DEC 2002	8.6	683	116.2	8.3		4521.0
21 JAN 2003	8.5	679	116.6	8.3		4521.8
18 FEB 2003	8.6	688	118.7	8.4		4509.4
17 MAR 2003	8.9	683	117.4	8.5		4479.0
21 APR 2003	9.1	670	115.2	8.6		4475.0
19 MAY 2003	8.7	686	110.8	8.6		4489.3
17 JUN 2003	8.3	689	101.0	8.5		4497.3

* Values Exceed Upper Control Limit

5MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW39A

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.4	670	113.3	8.6		4549.2
19 AUG 2002	8.8	675	120.5	8.6		4538.2
17 SEP 2002	8.5	667	116.4	8.5		4530.8
22 OCT 2002	8.5	677	119.8	8.6		4531.4
20 NOV 2002	8.7	660	128.8	8.5		4527.8
16 DEC 2002	8.5	669	130.3	8.4		4527.8
21 JAN 2003	8.5	662	122.6	8.4		4519.5
18 FEB 2003	8.4	682	120.7	8.5		4499.0
17 MAR 2003	8.6	679	121.0	8.5		4481.0
29 APR 2003	8.4	685	117.8	8.5		4465.0
19 MAY 2003	8.7	709	109.9	8.5		4478.6
17 JUN 2003	8.4	709	109.1	8.5		4482.0

* Values Exceed Upper Control Limit

5MW39A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW40

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	9.1	677	107.9	8.7		4527.4
19 AUG 2002	9.3	675	104.4	8.8		4527.7
17 SEP 2002	8.7	660	103.2	8.7		4519.8
22 OCT 2002	9.2	665	110.2	8.6		4520.5
19 NOV 2002	9.1	661	110.0	8.5		4519.8
16 DEC 2002	8.9	663	110.2	8.6		4518.9
21 JAN 2003	9.1	660	112.4	8.5		4521.6
18 FEB 2003	9.3	671	116.1	8.6		4508.7
17 MAR 2003	9.3	671	110.9	8.5		4480.0
21 APR 2003	9.2	663	107.5	8.5		4476.0
19 MAY 2003	9.2	681	97.9	8.5		4491.5
17 JUN 2003	9.1	680	100.6	8.5		4499.8

* Values Exceed Upper Control Limit

5MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW41A

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.8	685	113.4	8.6		4546.3
19 AUG 2002	8.8	688	115.3	8.5		4541.1
17 SEP 2002	8.4	674	113.6	8.5		4533.6
22 OCT 2002	8.2	682	112.5	8.6		4533.4
20 NOV 2002	8.1	669	110.8	8.5		4528.1
16 DEC 2002	8.4	672	114.0	8.4		4501.3
21 JAN 2003	8.3	665	114.0	8.4		4523.2
18 FEB 2003	8.7	680	120.0	8.5		4505.3
17 MAR 2003	8.4	679	114.2	8.5		4488.0
21 APR 2003	8.3	673	112.8	8.5		4473.0
19 MAY 2003	8.1	688	103.2	8.6		4483.7
17 JUN 2003	8.1	691	103.5	8.5		4484.5

* Values Exceed Upper Control Limit

5MW41A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 5

CHRISTENSEN RANCH

Well I.D. 5MW42

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	9.2	697	114.0	8.6		4522.5
19 AUG 2002	8.9	702	112.7	8.5		4526.8
17 SEP 2002	8.8	677	111.4	8.5		4516.6
22 OCT 2002	8.8	670	111.1	8.6		4516.7
19 NOV 2002	9.1	661	111.8	8.6		4517.3
16 DEC 2002	9.1	663	113.5	8.5		4516.7
21 JAN 2003	8.8	662	112.7	8.5		4523.7
18 FEB 2003	9.1	675	115.4	8.5		4507.6
17 MAR 2003	9.4	660	111.1	8.7		4483.0
21 APR 2003	9.7	655	111.6	8.6		4480.0
19 MAY 2003	9.3	679	105.0	8.5		4495.9
17 JUN 2003	8.9	682	101.9	8.5		4502.0

* Values Exceed Upper Control Limit

5MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW43

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.5	688	114.0	8.8		4547.4
19 AUG 2002	8.5	689	113.7	8.5		4540.7
17 SEP 2002	8.5	681	116.1	8.6		4535.3
22 OCT 2002	8.2	684	113.2	8.7		4532.4
20 NOV 2002	8.1	676	112.8	8.7		4528.0
16 DEC 2002	8.4	676	115.7	8.7		4530.6
21 JAN 2003	7.8	671	108.3	8.8		4521.7
18 FEB 2003	8.2	684	117.6	8.8		4504.7
17 MAR 2003	8.8	687	117.6	8.8		4486.0
21 APR 2003	8.5	874	117.1	10.9		4473.0
19 MAY 2003	7.8	694	111.0	9.1		4484.7
17 JUN 2003	8.1	699	105.9	8.7		4484.6

* Values Exceed Upper Control Limit

5MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW44

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	9.5	687	110.7	8.7		4523.2
19 AUG 2002	9.0	688	107.9	8.7		4527.3
17 SEP 2002	8.6	670	107.3	8.7		4516.0
22 OCT 2002	9.1	665	111.2	8.7		4515.5
19 NOV 2002	9.1	659	109.6	8.6		4515.6
16 DEC 2002	9.0	660	109.1	8.6		4514.4
21 JAN 2003	9.0	657	110.1	8.6		4520.8
18 FEB 2003	8.9	667	110.0	8.5		4498.9
17 MAR 2003	9.1	661	106.8	8.6		4474.0
29 APR 2003	8.8	649	95.1	9.4		4474.4
19 MAY 2003	8.9	670	97.9	8.5		4489.8
17 JUN 2003	9.0	674	99.2	8.5		4497.3

* Values Exceed Upper Control Limit

5MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW45

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.5	688	118.2	8.5		4548.7
19 AUG 2002	8.6	694	118.0	8.5		4542.9
17 SEP 2002	8.7	682	120.1	8.5		4536.6
22 OCT 2002	8.1	688	114.0	8.5		4530.4
20 NOV 2002	8.3	681	117.7	8.4		4526.0
16 DEC 2002	8.5	680	119.0	8.4		4528.3
21 JAN 2003	8.2	673	115.9	8.4		4520.5
18 FEB 2003	8.4	684	120.4	8.5		4502.0
17 MAR 2003	8.3	684	116.6	8.6		4479.0
21 APR 2003	8.5	673	116.6	8.7		4493.0
19 MAY 2003	8.4	693	109.3	8.5		4484.2
17 JUN 2003	8.4	696	107.9	8.6		4487.9

* Values Exceed Upper Control Limit

5MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW46

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.5	690	114.7	8.5		4522.6
19 AUG 2002	8.4	680	114.1	8.6		4526.0
17 SEP 2002	8.5	679	111.2	8.6		4514.1
23 OCT 2002	8.6	668	112.2	8.6		4513.8
19 NOV 2002	8.7	667	110.1	8.4		4513.6
16 DEC 2002	8.6	676	110.1	8.4		4511.4
21 JAN 2003	8.8	664	110.8	8.4		4516.5
18 FEB 2003	8.5	675	111.4	8.4		4490.1
17 MAR 2003						4473.5
21 APR 2003						4472.6
19 MAY 2003	8.5	683	100.3	8.5		4483.4
16 JUN 2003	8.6	682	100.7	8.5		4490.8

* Values Exceed Upper Control Limit

5MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW47B

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.5	690	119.5	8.5		4554.3
19 AUG 2002	8.5	697	118.0	8.5		4548.2
17 SEP 2002	8.1	682	116.2	8.5		4537.0
23 OCT 2002	8.4	687	123.1	8.5		4530.6
20 NOV 2002	8.3	680	117.7	8.4		4535.3
16 DEC 2002	8.3	687	119.8	8.4		4534.1
22 JAN 2003	8.2	684	116.9	8.3		4532.4
18 FEB 2003	8.4	693	121.8	8.4		4514.3
17 MAR 2003	8.1	693	118.3	8.6		4490.0
21 APR 2003	8.1	684	117.9	8.7		4485.0
19 MAY 2003	8.2	698	107.6	8.4		4496.6
17 JUN 2003	7.9	702	105.8	8.5		4503.9

* Values Exceed Upper Control Limit

5MW47B

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW48

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	22.7	1004	134.3				
Date							
15 JUL 2002	8.9	679	134.0		8.4		4521.4
19 AUG 2002	11.6	518	273.4	*	8.4		4523.5
25 SEP 2002	12.0	519	272.9	*	8.2		4510.9
28 OCT 2002	13.0	514	266.0	*	8.1		4508.6
21 NOV 2002	11.8	510	259.7	*	8.2		4511.7
15 DEC 2002							4511.5
21 JAN 2003	11.7	507	263.7	*	8.2		4521.4
19 FEB 2003							4507.7
17 MAR 2003							4505.6
21 APR 2003							4506.7
20 MAY 2003							4506.7

* Values Exceed Upper Control Limit

5MW48

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW49

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.2	690	114.2	8.5		4553.2
19 AUG 2002	8.5	699	119.0	8.5		4545.8
17 SEP 2002	8.7	687	124.8	8.5		4532.0
22 OCT 2002	8.1	692	117.2	8.7		4524.8
20 NOV 2002	8.5	679	118.2	8.6		4526.2
16 DEC 2002	8.6	690	124.6	8.4		4531.3
22 JAN 2003	8.2	684	116.7	8.4		4529.2
18 FEB 2003	8.2	687	117.1	8.4		4511.4
17 MAR 2003	8.5	690	121.8	8.7		4486.0
21 APR 2003	8.1	682	115.9	8.7		4486.0
19 MAY 2003	8.6	698	112.7	8.4		4497.5
16 JUN 2003	8.2	702	110.3	8.5		4504.7

* Values Exceed Upper Control Limit

5MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW50

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	9.5	672	110.6	8.5		4513.8
19 AUG 2002	9.6	669	110.9	8.5		4520.8
17 SEP 2002	9.7	667	107.0	8.4		4502.0
23 OCT 2002	9.8	645	106.1	8.5		4502.7
19 NOV 2002	10.0	650	107.6	8.3		4493.9
16 DEC 2002	9.8	655	106.4	8.4		4500.1
21 JAN 2003	9.1	660	103.7	7.2		4522.9
18 FEB 2003	10.3	653	112.0	8.4		4497.2
17 MAR 2003						4476.8
29 APR 2003	10.6	625	107.7	8.4		4481.2
19 MAY 2003	10.5	642	105.6	8.5		4492.2
16 JUN 2003	9.9	658	96.2	8.4		4494.1

* Values Exceed Upper Control Limit

5MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW51

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.4	691	118.2	8.5		4554.3
20 AUG 2002	8.1	675	117.0	8.4		4551.8
17 SEP 2002	8.5	681	121.1	8.4		4538.1
22 OCT 2002	8.1	690	114.0	8.4		4529.9
19 NOV 2002	8.1	680	116.9	8.3		4536.1
17 DEC 2002	8.4	679	119.0	8.3		4537.5
22 JAN 2003	8.4	680	119.1	8.2		4536.9
18 FEB 2003	8.1	689	118.1	8.4		4530.8
17 MAR 2003	8.2	690	117.7	8.4		4502.0
22 APR 2003	8.4	683	120.7	8.4		4505.9
19 MAY 2003	8.1	698	116.8	8.4		4514.2
16 JUN 2003	8.0	701	106.7	8.4		4511.5

* Values Exceed Upper Control Limit

5MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW52

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	9.9	713	123.7	8.4		4510.2
19 AUG 2002	9.5	698	119.7	8.5		4524.8
17 SEP 2002	9.5	694	120.9	8.4		4503.4
23 OCT 2002	9.0	683	117.2	8.5		4504.6
19 NOV 2002	9.1	686	117.5	8.3		4510.9
16 DEC 2002	9.1	693	118.7	8.3		4504.2
21 JAN 2003	9.6	684	121.8	8.3		4526.7
18 FEB 2003	9.1	693	118.5	8.4		4503.5
18 MAR 2003	4.9	570	97.1	7.8		4487.0
22 APR 2003	9.7	676	114.4	8.5		4490.6
19 MAY 2003	9.1	697	107.1	8.4		4501.5
16 JUN 2003	8.8	699	104.5	8.4		4500.6

* Values Exceed Upper Control Limit

5MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW53

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.5	693	117.9	8.5		4555.5
20 AUG 2002	8.3	686	114.8	8.4		4549.2
17 SEP 2002	8.5	693	117.7	8.4		4535.7
22 OCT 2002	8.7	693	119.2	8.4		4525.9
19 NOV 2002	8.3	684	116.5	8.2		4536.9
17 DEC 2002	8.6	681	121.7	8.3		4535.4
22 JAN 2003	8.9	684	122.7	8.2		4534.2
18 FEB 2003	8.5	692	114.8	8.4		4529.9
17 MAR 2003	8.7	694	119.0	8.4		4503.0
22 APR 2003	8.3	684	116.6	8.4		4512.2
19 MAY 2003	8.4	702	110.4	8.4		4517.7
16 JUN 2003	8.2	704	107.7	8.4		4517.4

* Values Exceed Upper Control Limit

5MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW54

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	22.7		1004		134.3				
Date									
15 JUL 2002	19.2		826		158.5	*	8.5		4502.5
19 AUG 2002	20.2		852		179.3	*	8.3		4524.3
16 SEP 2002	14.5		763		145.7	*	8.9		4498.5
22 OCT 2002	11.4		680		101.8		9.7		4500.7
19 NOV 2002	32.0	*	1145	*	297.0	*	7.6		4510.5
21 NOV 2002	22.9	*	864		187.5	*	8.8		4510.5
25 NOV 2002	17.7		769		154.3	*	8.9		4510.5
02 DEC 2002	32.8	*	1145	*	291.0	*	7.3		4503.8
09 DEC 2002	34.2	*	1182	*	306.6	*	7.2		4507.5
16 DEC 2002	27.2	*	880		187.0	*	8.3		4502.6
23 DEC 2002	34.6	*	1209	*	318.2	*	7.5		4511.2
30 DEC 2002	36.8	*	1272	*	337.6	*	7.5		4512.3
06 JAN 2003	32.2	*	1179	*	303.6	*	7.5		4522.3
13 JAN 2003	39.9	*	1267	*	376.2	*	7.5		4516.7
21 JAN 2003	9.9		692		125.6		8.3		4528.1
27 JAN 2003	9.9		712		131.4		8.4		4528.1
03 FEB 2003	25.1	*	1032	*	276.2	*	7.7		4521.2
10 FEB 2003	33.6	*	1154	*	319.4	*	7.4		4516.1
18 FEB 2003	46.8	*	1468	*	431.4	*	7.6		4504.2
24 FEB 2003	37.0	*	936		210.6	*	8.4		4498.3
06 MAR 2003	19.2		722		127.4		9.2		4495.3
12 MAR 2003									4495.0
18 MAR 2003	15.5		745		111.5		9.6		4493.0
25 MAR 2003	15.3		728		91.1		10.1		4493.0
01 APR 2003	15.2		838		107.4		10.9		4500.0
12 APR 2003	15.0		722		79.6		10.7		4489.0
14 APR 2003	14.9		745		79.8		10.7		4497.0
22 APR 2003	15.8		752		81.6		10.8		4498.4
19 MAY 2003	34.0	*	1327	*	322.0	*	7.3		4506.7
21 MAY 2003	40.9	*	1536	*	389.9	*	7.4		4508.5
27 MAY 2003	35.3	*	1383	*	338.9	*	7.2		4512.1
02 JUN 2003	43.0	*	1666	*	421.8	*	7.3		4508.3
10 JUN 2003	48.6	*	1667	*	463.2	*	7.3		4508.3
16 JUN 2003	38.2	*	1504	*	375.0	*	7.5		4503.4
26 JUN 2003	50.2	*	1795	*	508.6	*	7.2		4506.5

* Values Exceed Upper Control Limit

5MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW55

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.9	697	118.7	8.4		4552.1
20 AUG 2002	8.7	707	116.1	8.4		4541.4
17 SEP 2002	8.6	688	116.0	8.4		4524.1
22 OCT 2002	8.5	691	113.2	8.4		4514.0
19 NOV 2002	8.8	682	117.1	8.2		4526.9
17 DEC 2002	8.8	684	118.5	8.4		4530.1
22 JAN 2003	8.6	681	113.9	8.2		4530.1
18 FEB 2003	8.7	691	117.1	8.4		4513.0
17 MAR 2003	8.7	689	116.8	8.4		4493.0
22 APR 2003	8.8	681	114.4	8.4		4507.3
19 MAY 2003	9.1	700	110.1	8.3		4513.9
16 JUN 2003	8.5	703	104.2	8.4		4512.7

* Values Exceed Upper Control Limit

5MW55

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW56

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	22.7	1004	134.3				
Date							
15 JUL 2002	9.6	704	115.9		8.6		4504.2
19 AUG 2002	14.3	785	143.4	*	8.4		4526.3
17 SEP 2002	10.1	707	122.7		8.5		4502.0
23 OCT 2002	10.9	713	126.8		8.5		4506.2
18 NOV 2002	20.4	858	167.0	*	8.2		4514.8
16 DEC 2002	13.3	751	133.2		8.3		4511.7
21 JAN 2003	13.6	742	129.8		8.2		4528.0
18 FEB 2003	11.9	716	120.3		8.5		4510.6
18 MAR 2003	10.1	701	118.6		8.6		4499.0
22 APR 2003	10.7	703	119.7		8.6		4500.2
19 MAY 2003	14.8	769	122.4		8.4		4512.0
16 JUN 2003	10.0	722	107.7		8.4		4506.2

* Values Exceed Upper Control Limit

5MW56

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW57

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.6	694	115.1	8.4		4546.3
20 AUG 2002	8.8	689	116.8	8.4		4539.6
17 SEP 2002	8.7	693	117.8	8.4		4522.7
22 OCT 2002	8.4	697	115.5	8.4		4512.1
19 NOV 2002	8.7	687	115.4	8.2		4534.4
17 DEC 2002	9.2	687	122.2	8.4		4533.9
22 JAN 2003	8.7	686	115.8	8.2		4533.9
18 FEB 2003	8.5	696	116.5	8.4		4517.7
17 MAR 2003	9.6	697	113.3	7.3		4499.0
22 APR 2003	9.0	688	122.4	8.4		4508.9
19 MAY 2003	8.8	707	110.4	8.4		4515.8
16 JUN 2003	8.5	709	105.6	8.4		4515.4

* Values Exceed Upper Control Limit

5MW57

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 5

CHRISTENSEN RANCH

Well I.D. 5MW58

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	8.8	708	115.2	8.4		4501.7
21 AUG 2002	8.7	699	117.2	8.3		4520.2
16 SEP 2002	8.9	700	117.0	8.5		4505.1
21 OCT 2002	8.8	702	116.6	8.4		4507.9
19 NOV 2002	9.0	686	116.0	8.3		4514.7
16 DEC 2002	8.9	702	117.9	8.4		4514.2
20 JAN 2003	9.1	691	118.6	8.5		4529.1
18 FEB 2003	8.7	698	117.2	8.6		4516.1
18 MAR 2003	8.6	701	114.9	8.6		4504.0
22 APR 2003	8.9	695	115.1	8.5		4505.1
19 MAY 2003	8.3	713	110.7	8.5		4515.9
16 JUN 2003	8.6	715	105.8	8.5		4511.6

* Values Exceed Upper Control Limit

5MW58

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW59

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	9.2	676	118.2	8.4		4542.7
20 AUG 2002	9.4	665	119.5	8.5		4530.3
17 SEP 2002	9.1	691	118.7	8.4		4514.7
22 OCT 2002	9.5	679	121.2	8.4		4509.7
19 NOV 2002	8.8	686	117.8	8.3		4504.7
17 DEC 2002	8.7	686	116.9	8.4		4528.9
22 JAN 2003	8.8	682	117.0	8.2		4531.4
18 FEB 2003	8.8	695	118.3	8.4		4516.4
17 MAR 2003	8.6	697	114.1	8.2		4503.0
22 APR 2003	8.8	688	115.8	8.4		4510.9
19 MAY 2003	9.1	707	114.3	8.4		4518.4
16 JUN 2003	8.6	708	107.4	8.4		4513.4

* Values Exceed Upper Control Limit

5MW59

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW60

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	23.7	779		191.3				
Date								
16 JUL 2002	11.3	533		247.5	*	8.5		4501.6
21 AUG 2002	10.0	640		194.8	*	8.2		4517.5
16 SEP 2002	11.0	505		120.7		8.4		4501.6
16 SEP 2002	11.5	505		257.7	*	8.4		4501.6
21 OCT 2002	11.2	503		257.7	*	8.2		4503.3
19 NOV 2002	10.4	582		204.6	*	8.3		4511.4
16 DEC 2002	8.4	995	*	145.5		8.2		4515.5
20 JAN 2003	9.4	834	*	182.9		8.3		4529.7
18 FEB 2003	9.0	848	*	178.1		8.4		4519.8
18 MAR 2003	9.1	820	*	176.6		8.2		4508.0
22 APR 2003	11.5	498		253.4	*	8.5		4508.4
19 MAY 2003	8.7	915	*	141.2		8.3		4518.6
16 JUN 2003	8.7	890	*	140.2		8.3		4514.4

* Values Exceed Upper Control Limit

5MW60

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW61

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
15 JUL 2002	8.8	693	116.2	8.4		4521.5
20 AUG 2002	8.8	689	116.9	8.3		4527.6
17 SEP 2002	8.7	689	116.0	8.3		4513.3
23 OCT 2002	8.4	696	114.4	8.3		4512.9
19 NOV 2002	8.6	687	115.2	8.2		4528.2
17 DEC 2002	9.0	686	121.0	8.3		4527.9
22 JAN 2003	8.7	684	117.0	8.2		4536.0
18 FEB 2003	9.0	695	121.3	8.3		4525.6
17 MAR 2003	9.0	696	119.9	8.3		4516.0
22 APR 2003	8.9	686	117.5	8.3		4519.9
19 MAY 2003	8.7	705	114.9	8.3		4524.4
17 JUN 2003	8.2	698	104.0	8.4		4521.8

* Values Exceed Upper Control Limit

5MW61

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW62

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
25 JUL 2002	11.0	632	122.9	7.9		4501.7
21 AUG 2002	11.3	619	123.5	8.3		4514.7
16 SEP 2002	8.9	617	111.6	8.5		4500.8
16 SEP 2002	10.9	617	121.5	8.3		4500.8
21 OCT 2002	10.7	622	118.4	8.4		4502.6
19 NOV 2002	10.8	612	119.6	8.3		4512.2
16 DEC 2002	9.4	757	118.7	8.2		4517.0
20 JAN 2003	9.9	769	121.4	8.3		4531.4
18 FEB 2003	10.1	774	123.6	8.3		4521.9
18 MAR 2003	10.0	755	119.5	8.3		4511.0
22 APR 2003	9.9	747	118.4	8.3		4511.1
19 MAY 2003	10.4	790	112.8	8.2		4520.9
16 JUN 2003	10.2	793	115.6	8.3		4516.7

* Values Exceed Upper Control Limit

5MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

Well I.D. 5MW63

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
25 JUL 2002	11.0	613	101.9	8.4		4524.0
21 AUG 2002	11.5	613	107.0	8.6		4524.1
16 SEP 2002	11.7	609	107.1	8.6		4515.0
22 OCT 2002	11.5	609	104.7	8.6		4516.6
18 NOV 2002	11.2	611	103.4	8.7		4527.1
16 DEC 2002	11.2	614	105.1	8.6		4527.8
20 JAN 2003	9.4	671	115.5	8.4		4537.0
18 FEB 2003	11.1	619	105.6	8.7		4507.6
18 MAR 2003	11.2	614	103.4	8.6		4520.0
22 APR 2003	11.2	610	105.2	8.4		4521.9
19 MAY 2003	11.1	628	94.8	8.7		4529.7
16 JUN 2003	10.9	629	93.7	8.7		4524.6

* Values Exceed Upper Control Limit

5MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW64

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	9.1	748	113.1	8.6		4509.1
21 AUG 2002	8.7	738	113.0	8.3		4516.8
16 SEP 2002	12.3	731	104.0	8.3		4507.2
16 SEP 2002	9.1	731	114.0	8.5		4507.2
21 OCT 2002	8.8	751	112.3	8.3		4508.1
19 NOV 2002	9.1	726	112.6	8.3		4499.2
16 DEC 2002	9.1	780	115.7	8.2		4520.5
20 JAN 2003	9.0	751	113.8	8.5		4531.4
18 FEB 2003	8.8	765	113.0	8.4		4527.9
18 MAR 2003	9.0	772	112.2	8.4		4519.0
22 APR 2003	9.0	743	111.3	8.5		4518.2
19 MAY 2003	9.1	782	103.2	8.4		4527.1
16 JUN 2003	8.7	783	101.5	8.4		4522.7

* Values Exceed Upper Control Limit

5MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW65

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.9	734	128.1			
Date						
16 JUL 2002	13.1	706	114.2	8.4		4536.2
21 AUG 2002	12.9	698	114.3	8.3		4531.4
16 SEP 2002	14.2	710	111.5	8.4		4522.4
22 OCT 2002	14.1	709	113.7	8.3		4525.2
18 NOV 2002	12.1	706	111.0	8.3		4515.9
16 DEC 2002	10.5	706	114.6	8.4		4532.3
20 JAN 2003	11.1	699	114.8	8.4		4538.3
18 FEB 2003	11.9	702	115.1	8.4		4506.3
18 MAR 2003	11.9	707	114.1	8.4		4527.0
22 APR 2003	11.3	699	112.7	8.4		4527.7
19 MAY 2003	10.9	715	104.3	8.4		4535.1
17 JUN 2003	10.7	707	100.8	8.3		4530.1

* Values Exceed Upper Control Limit

5MW65

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW66

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	9.5	878	103.7	8.4		4517.7
21 AUG 2002	11.4	891	106.4	8.2		4522.8
16 SEP 2002	12.5	856	105.8	8.3		4515.6
21 OCT 2002	14.3	867	106.5	8.1		4516.6
19 NOV 2002	13.5	840	106.7	8.1		4521.5
16 DEC 2002	13.7	854	107.7	8.4		4528.1
20 JAN 2003	16.0	876	109.7	8.3		4533.6
18 FEB 2003	17.6	917	109.9	8.2		4531.9
18 MAR 2003	17.8	934	109.7	8.2		4524.0
22 APR 2003	16.5	917	103.6	8.3		4523.4
19 MAY 2003	16.0	939	95.7	8.3		4531.7
17 JUN 2003	11.6	912	87.2	8.3		4525.5

* Values Exceed Upper Control Limit

5MW66

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW67

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
16 JUL 2002	7.8	850	96.7	8.3		4553.0
20 AUG 2002	8.2	799	101.7	8.3		4538.9
16 SEP 2002	7.6	836	95.2	8.3		4534.9
22 OCT 2002	7.3	836	93.7	8.2		4537.0
19 NOV 2002	7.7	840	96.3	8.1		4537.9
16 DEC 2002	7.4	835	95.0	8.3		4538.9
20 JAN 2003	7.7	838	94.9	8.3		4541.6
18 FEB 2003	7.5	847	95.6	8.2		4540.1
18 MAR 2003	7.6	845	94.7	8.2		4534.0
22 APR 2003	7.5	840	94.5	8.3		4541.3
19 MAY 2003	7.7	861	91.0	8.2		4541.0
17 JUN 2003	7.1	851	106.9	8.5		4534.8

* Values Exceed Upper Control Limit

5MW67

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5MW69

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr. Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
17 JUL 2002	8.7	795	108.9	8.5		4557.6
21 AUG 2002	8.9	709	113.5	8.4		4546.3
16 SEP 2002	8.9	746	110.6	8.5		4542.8
21 OCT 2002	8.9	722	110.6	8.4		4544.9
19 NOV 2002	9.2	686	113.9	8.4		4543.4
17 DEC 2002	7.5	874	97.5	8.4		4541.8
22 JAN 2003	9.2	670	115.6	8.3		4540.8
18 FEB 2003	9.2	664	115.5	8.4		4544.2
18 MAR 2003	9.3	670	116.6	8.4		4539.0
22 APR 2003	9.1	662	116.4	8.5		4538.6
19 MAY 2003	9.2	678	106.6	8.5		4545.9
18 JUN 2003	8.9	671	105.2	8.5		4540.4

* Values Exceed Upper Control Limit

5MW69

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW17-2

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.5	1289	72.4	7.5		4535.3
27 AUG 2002	5.7	1292	71.8	8.1		4496.7
24 SEP 2002	5.5	1308	70.7	8.1		4494.2
29 OCT 2002	5.6	1290	72.3	8.0		4496.6
26 NOV 2002	5.6	1296	74.0	8.0		4491.9
10 DEC 2002	5.4	1299	73.0	8.0		4494.4
27 JAN 2003	5.6	1290	71.1	8.1		4499.1
24 FEB 2003	5.6	1298	73.1	8.1		4502.2
25 MAR 2003	5.1	1309	72.1	8.2		4520.1
28 APR 2003	5.1	1300	72.1	8.1		4521.7
27 MAY 2003	5.1	1331	64.8	8.2		4532.0
23 JUN 2003	5.1	1329	62.4	8.1		4531.8

* Values Exceed Upper Control Limit

6MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW19

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.2	1308	74.1	7.4		4534.1
27 AUG 2002	5.2	1322	72.2	8.1		4538.8
24 SEP 2002	5.4	1319	74.1	7.9		4536.7
29 OCT 2002	5.1	1316	73.5	8.0		4539.1
26 NOV 2002	5.6	1318	77.5	7.9		4534.8
10 DEC 2002	5.3	1316	75.9	8.0		4536.9
27 JAN 2003	5.2	1320	74.1	8.0		4539.9
24 FEB 2003	5.3	1324	74.5	8.1		4545.0
25 MAR 2003	5.2	1323	75.8	8.2		4564.0
28 APR 2003	5.2	1306	74.6	8.0		4566.1
27 MAY 2003	5.1	1340	68.4	8.1		4575.9
23 JUN 2003	5.2	1338	65.5	8.1		4577.0

* Values Exceed Upper Control Limit

6MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW21

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.4	1266	78.3	7.3		4528.2
27 AUG 2002	5.2	1253	75.7	8.1		4533.1
24 SEP 2002	5.2	1267	75.6	8.0		4530.4
29 OCT 2002	5.5	1245	77.4	8.0		4532.7
26 NOV 2002	5.5	1244	78.8	8.0		4530.2
10 DEC 2002	5.4	1243	76.1	8.1		4531.2
27 JAN 2003	5.3	1228	70.6	8.0		4534.5
24 FEB 2003	5.6	1229	79.0	8.1		4540.1
25 MAR 2003	5.7	1164	80.8	8.2		4561.0
28 APR 2003	6.0	1149	80.2	8.1		4566.0
27 MAY 2003	5.7	1207	71.9	8.2		4573.7
23 JUN 2003	6.0	1144	70.3	8.2		4574.4

* Values Exceed Upper Control Limit

6MW21

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW23

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.7	1243	75.1	7.8		4525.2
27 AUG 2002	5.6	1255	71.6	8.7		4528.7
24 SEP 2002	5.4	1265	71.0	8.6		4525.8
29 OCT 2002	5.6	1246	72.9	8.5		4528.2
26 NOV 2002	5.6	1251	73.9	8.5		4526.2
10 DEC 2002	5.3	1253	73.8	8.5		4527.6
27 JAN 2003	5.6	1256	72.9	8.2		4531.7
24 FEB 2003	5.6	1257	74.3	8.3		4534.8
25 MAR 2003	5.2	1251	68.9	8.6		4558.0
28 APR 2003	5.6	1249	65.1	8.4		4561.4
27 MAY 2003	5.1	1268	64.1	8.3		4569.0
23 JUN 2003	5.1	1267	60.2	8.4		4570.7

* Values Exceed Upper Control Limit

6MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW25

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.2	1277	73.8	7.6		4522.5
28 AUG 2002	5.3	1258	73.0	8.4		4524.7
24 SEP 2002	5.3	1275	71.2	8.2		4523.0
29 OCT 2002	5.6	1259	76.7	8.2		4525.6
26 NOV 2002	5.5	1255	75.0	8.2		4521.8
10 DEC 2002	5.3	1261	74.6	8.3		4522.9
27 JAN 2003	5.6	1261	74.6	8.2		4526.5
24 FEB 2003	5.6	1257	74.8	8.3		4537.2
25 MAR 2003	6.1	1254	67.2	8.0		4556.0
28 APR 2003	5.3	1251	70.2	8.3		4559.2
27 MAY 2003	5.3	1263	64.9	8.4		4567.3
24 JUN 2003	5.6	1257	64.4	8.5		4566.2

* Values Exceed Upper Control Limit

6MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

CHRISTENSEN RANCH

Well I.D. 6MW27

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.4	1272	73.3	7.4		4522.3
28 AUG 2002	5.7	1254	73.7	8.1		4527.8
24 SEP 2002	5.3	1268	71.0	8.0		4525.8
29 OCT 2002	5.6	1252	73.1	8.0		4528.3
26 NOV 2002	5.7	1260	75.1	8.1		4521.6
11 DEC 2002	5.4	1267	72.8	8.2		4517.4
27 JAN 2003	5.5	1259	68.2	8.2		4519.7
24 FEB 2003	5.6	1257	67.9	8.3		4534.1
25 MAR 2003	5.6	1256	71.3	8.2		4555.0
28 APR 2003	5.6	1252	73.1	8.3		4559.9
27 MAY 2003	5.6	1266	65.7	8.5		4570.3
24 JUN 2003	5.4	1265	63.7	8.6		4568.0

* Values Exceed Upper Control Limit

6MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW29

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	7.2	1335	92.3	10.6		4503.3
28 AUG 2002	5.4	1039	78.8	9.2		4512.7
24 SEP 2002	5.4	1144	78.7	8.8		4509.1
28 OCT 2002	6.0	1223	75.0	9.1		4512.3
25 NOV 2002	6.2	1214	67.5	8.7		4508.1
11 DEC 2002	5.8	1215	65.2	9.3		4512.8
27 JAN 2003	6.0	1300	86.6	10.5		4513.8
24 FEB 2003	5.4	1244	77.5	9.1		4533.4
30 MAR 2003	5.3	1106	68.3	8.5		4554.0
28 MAY 2003	5.7	1271	63.9	8.9		4566.5
23 JUN 2003	5.7	1258	62.1	8.9		4567.3

* Values Exceed Upper Control Limit

6MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

CHRISTENSEN RANCH

Well I.D. 6MW31

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.8	1286	75.4	7.4		4507.6
28 AUG 2002	5.7	1283	81.9	8.4		4517.1
24 SEP 2002	5.4	1296	77.0	8.5		4514.5
28 OCT 2002	5.6	1286	79.2	8.7		4515.6
25 NOV 2002	5.5	1294	75.7	8.3		4512.2
11 DEC 2002	5.3	1280	78.2	8.4		4513.6
27 JAN 2003	5.5	1268	68.9	8.5		4517.8
24 FEB 2003	5.2	1283	73.9	8.3		4529.0
30 MAR 2003	5.7	1262	67.3	8.5		4555.0
28 APR 2003	5.4	1272	72.9	8.6		4559.3
27 MAY 2003	5.6	1306	66.8	8.5		4567.2
23 JUN 2003	5.7	1293	66.4	8.5		4568.0

* Values Exceed Upper Control Limit

6MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW33

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	8.3	1274	77.7	7.5		4500.6
28 AUG 2002	4.9	1292	70.9	8.1		4506.3
24 SEP 2002	5.3	1288	73.6	8.2		4505.8
28 OCT 2002	5.6	1284	77.8	8.2		4506.5
25 NOV 2002	5.3	1291	73.6	8.1		4503.9
10 DEC 2002	5.4	1282	73.8	8.1		4504.8
27 JAN 2003	5.4	1284	75.0	8.1		4507.4
24 FEB 2003	5.5	1270	76.8	8.1		4529.4
25 MAR 2003	5.1	1283	74.5	8.2		4550.0
28 APR 2003	5.3	1276	71.1	8.6		4555.2
27 MAY 2003	5.4	1306	68.9	8.2		4562.6
23 JUN 2003	5.3	1288	66.1	8.1		4563.3

* Values Exceed Upper Control Limit

6MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW34

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.3	1312	68.8	7.6		4529.3
27 AUG 2002	5.3	1330	66.6	8.2		4544.2
24 SEP 2002	5.0	1328	70.5	8.1		4542.8
29 OCT 2002	5.3	1341	68.0	8.0		4545.1
26 NOV 2002	5.5	1337	71.3	8.0		4541.4
11 DEC 2002	5.3	1332	73.9	8.1		4542.9
27 JAN 2003	5.1	1345	69.7	8.0		4544.1
24 FEB 2003	5.2	1348	70.3	8.1		4550.6
25 MAR 2003	5.1	1341	73.2	8.2		4567.0
28 APR 2003	5.6	1340	79.1	8.0		4569.5
27 MAY 2003	5.1	1379	67.0	8.1		4579.6
23 JUN 2003	4.9	1364	61.3	8.2		4580.4

* Values Exceed Upper Control Limit

6MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 6

Well I.D. 6MW35

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.6	1278	76.3	7.2		4492.8
28 AUG 2002	5.1	1287	75.9	7.8		4503.8
24 SEP 2002	5.3	1280	77.2	8.0		4504.7
28 OCT 2002	5.2	1280	73.1	8.0		4507.1
25 NOV 2002	5.3	1286	77.0	7.9		4500.7
11 DEC 2002	5.0	1277	75.1	7.8		4502.4
27 JAN 2003	5.5	1286	77.3	7.9		4504.9
24 FEB 2003	5.5	1266	78.2	7.9		4527.0
25 MAR 2003	5.2	1280	77.5	7.9		4548.0
28 APR 2003	6.0	1277	72.1	8.1		4552.7
27 MAY 2003	5.1	1307	69.6	8.0		4559.5
23 JUN 2003	5.1	1289	66.5	8.0		4559.5

* Values Exceed Upper Control Limit

6MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW36

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	6.1	1209	73.8	7.6		4529.5
28 AUG 2002	6.3	1186	78.0	8.2		4543.5
24 SEP 2002	6.1	1197	74.2	8.2		4541.2
29 OCT 2002	6.2	1202	73.6	8.0		4543.5
26 NOV 2002	5.9	1206	72.3	8.0		4539.7
10 DEC 2002	5.9	1213	72.3	8.1		4541.4
27 JAN 2003	6.0	1212	73.7	8.1		4545.3
24 FEB 2003	6.3	1208	73.3	8.0		4550.6
30 MAR 2003	6.3	1211	75.2	8.0		4568.0
28 APR 2003	5.2	1208	77.5	7.9		4571.8
27 MAY 2003	6.0	1222	67.1	8.1		4579.2
25 JUN 2003	5.8	1231	67.0	8.2		4580.5

* Values Exceed Upper Control Limit

6MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW37

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.8	1221	68.1	7.7		4498.5
26 AUG 2002	5.7	1221	67.4	8.4		4504.9
24 SEP 2002	6.3	1226	70.9	8.4		4505.4
29 OCT 2002	5.7	1221	67.9	8.4		4508.2
25 NOV 2002	5.9	1232	68.3	8.3		4502.4
10 DEC 2002	5.8	1222	69.6	8.3		4504.2
27 JAN 2003	5.7	1233	68.4	8.2		4509.1
24 FEB 2003	6.0	1215	68.7	8.3		4525.6
25 MAR 2003	5.3	1265	73.1	8.2		4546.0
28 APR 2003	5.2	1271	74.2	8.0		4550.7
27 MAY 2003	5.2	1300	67.9	8.1		4558.1
23 JUN 2003	5.3	1287.	65.6	8.1		4557.0

* Values Exceed Upper Control Limit

6MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

CHRISTENSEN RANCH

Well I.D. 6MW38

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.0	1332	71.1	7.5		4524.5
28 AUG 2002	5.0	1347	72.6	8.3		4539.8
24 SEP 2002	5.2	1334	69.9	8.2		4537.5
29 OCT 2002	5.2	1330	70.4	8.2		4539.6
26 NOV 2002	5.2	1323	71.8	8.0		4537.3
10 DEC 2002	5.1	1334	74.3	8.1		4538.9
27 JAN 2003	5.0	1326	72.0	8.2		4542.5
24 FEB 2003	5.8	1327	76.5	8.1		4547.2
30 MAR 2003	5.3	1329	72.4	8.0		4567.0
28 APR 2003	6.0	1330	73.3	8.2		4571.2
27 MAY 2003	5.8	1355	66.7	8.1		4577.9
25 JUN 2003	4.9	1346	66.9	8.2		4579.1

* Values Exceed Upper Control Limit

6MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW39

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.7	1238	61.4	7.7		4505.7
26 AUG 2002	5.7	1243	64.5	8.1		4508.3
24 SEP 2002	5.6	1243	58.6	8.5		4508.3
28 OCT 2002	6.2	1245	63.0	8.3		4509.3
25 NOV 2002	6.0	1232	61.6	8.5		4506.2
10 DEC 2002	5.8	1234	65.9	8.6		4506.1
27 JAN 2003	5.6	1248	59.4	8.5		4514.0
24 FEB 2003	5.6	1230	60.3	8.5		4523.9
25 MAR 2003	5.6	1243	61.6	8.4		4543.0
28 APR 2003	5.4	1252	65.0	8.3		4545.0
27 MAY 2003	5.4	1287	59.5	8.2		4554.3
23 JUN 2003	5.2	1263	54.6	8.4		4553.1

* Values Exceed Upper Control Limit

6MW39

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

CHRISTENSEN RANCH

Well I.D. 6MW40

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.1	1351	74.8	7.5		4526.2
28 AUG 2002	5.0	1371	64.8	8.4		4536.8
24 SEP 2002	5.0	1355	64.8	8.5		4535.7
29 OCT 2002	5.5	1331	67.2	8.4		4538.1
26 NOV 2002	5.5	1338	67.8	8.2		4532.2
10 DEC 2002	5.1	1346	68.3	8.2		4536.5
27 JAN 2003	5.2	1340	65.8	8.3		4539.7
24 FEB 2003	5.3	1343	67.2	8.2		4546.0
30 MAR 2003	5.3	1344	66.7	8.1		4563.0
28 APR 2003	4.9	1342	72.3	8.1		4567.3
27 MAY 2003	5.1	1361	65.0	8.3		4575.5
25 JUN 2003	4.9	1363	61.2	8.4		4576.9

* Values Exceed Upper Control Limit

6MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW41

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.3	1277	76.9	7.3		4499.1
26 AUG 2002	5.3	1275	75.3	8.2		4503.1
24 SEP 2002	5.6	1282	76.9	8.1		4503.4
28 OCT 2002	5.5	1280	75.5	8.0		4504.3
25 NOV 2002	5.6	1274	78.6	8.0		4498.8
10 DEC 2002	5.4	1272	78.5	8.0		4499.9
27 JAN 2003	5.6	1280	78.4	7.9		4502.5
24 FEB 2003	5.6	1265	78.7	8.1		4521.9
25 MAR 2003	5.6	1273	79.0	8.1		4545.0
28 APR 2003	5.5	1273	77.6	8.1		4546.1
27 MAY 2003	5.8	1302	73.0	8.1		4553.9
23 JUN 2003	5.4	1283	69.0	8.2		4552.7

* Values Exceed Upper Control Limit

6MW41

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW42

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
24 JUL 2002	5.3	1361	72.4	7.3		4526.3
28 AUG 2002	5.1	1345	70.2	8.1		4536.7
24 SEP 2002	5.3	1356	69.8	8.1		4535.3
29 OCT 2002	5.5	1347	71.0	8.1		4530.6
25 NOV 2002	5.1	1358	69.6	8.1		4534.9
10 DEC 2002	5.1	1351	70.3	8.0		4536.3
27 JAN 2003	5.1	1340	70.4	8.0		4539.7
24 FEB 2003	5.2	1339	69.6	8.1		4544.3
30 MAR 2003	5.5	1339	69.0	7.9		4562.0
28 APR 2003	4.9	1338	66.6	8.3		4567.2
27 MAY 2003	5.1	1358	65.7	8.1		4575.2
23 JUN 2003	5.2	1354	62.2	8.1		4575.9

* Values Exceed Upper Control Limit

6MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW43

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.9	1289	79.5	7.4		4498.6
26 AUG 2002	5.6	1282	76.3	8.2		4499.8
24 SEP 2002	5.6	1289	76.2	8.2		4498.6
28 OCT 2002	5.6	1287	76.4	7.9		4500.4
25 NOV 2002	5.5	1279	76.3	8.1		4495.3
10 DEC 2002	5.4	1278	79.2	8.1		4496.6
27 JAN 2003	5.2	1288	77.1	8.1		4500.8
24 FEB 2003	5.5	1271	78.7	8.1		4522.6
25 MAR 2003	5.6	1281	78.6	8.1		4543.0
28 APR 2003	5.5	1283	78.4	8.1		4548.7
27 MAY 2003	5.5	1321	71.9	8.0		4553.2
23 JUN 2003	5.2	1293	68.5	8.2		4552.0

* Values Exceed Upper Control Limit

6MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW44

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.0	1337	69.8	7.5		4522.3
27 AUG 2002	5.2	1335	68.4	8.3		4531.0
24 SEP 2002	5.2	1348	69.4	8.3		4530.9
29 OCT 2002	5.4	1321	69.1	8.3		4529.8
25 NOV 2002	5.1	1369	68.8	8.2		4525.6
10 DEC 2002	5.3	1349	73.1	8.2		4531.9
27 JAN 2003	5.5	1327	71.5	8.2		4537.0
24 FEB 2003	5.3	1336	71.6	8.2		4542.8
25 MAR 2003	5.1	1339	69.4	8.3		4560.0
28 APR 2003	5.2	1328	70.6	8.1		4565.2
27 MAY 2003	5.2	1352	63.4	8.2		4570.9
23 JUN 2003	5.0	1347	60.8	8.3		4573.6

* Values Exceed Upper Control Limit

6MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW45

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.6	1275	75.0	7.4		4503.4
26 AUG 2002	5.7	1282	77.7	8.2		4497.8
24 SEP 2002	5.7	1288	76.7	7.9		4497.4
28 OCT 2002	5.6	1282	72.9	7.9		4498.1
25 NOV 2002	5.6	1275	76.0	8.0		4490.6
10 DEC 2002	5.5	1276	76.2	8.0		4491.9
27 JAN 2003	5.5	1289	74.9	8.0		4495.4
24 FEB 2003	5.6	1274	76.7	7.9		4530.1
25 MAR 2003	5.5	1282	76.5	8.0		4538.0
28 APR 2003	5.3	1280	75.1	8.0		4544.0
27 MAY 2003	5.4	1310	69.4	7.9		4552.3
23 JUN 2003	5.1	1292	65.9	8.1		4551.2

* Values Exceed Upper Control Limit

6MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW46

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20.6	2427	89.2			
Date						
23 JUL 2002	6.4	1396	80.6	7.4		4519.5
27 AUG 2002	5.8	1400	72.1	8.3		4528.5
24 SEP 2002	6.3	1439	73.9	8.2		4525.9
29 OCT 2002	5.9	1403	73.6	8.1		4528.1
25 NOV 2002	6.9	1484	78.8	8.0		4522.3
10 DEC 2002	7.6	1491	84.2	8.0		4527.6
27 JAN 2003	6.6	1410	78.3	8.0		4529.8
24 FEB 2003	6.4	1418	76.5	7.9		4540.1
25 MAR 2003	5.7	1395	74.0	8.2		4558.0
28 APR 2003	5.1	1403	67.8	8.2		4562.8
27 MAY 2003	5.7	1441	66.9	8.4		4570.9
23 JUN 2003	5.7	1420	65.1	8.3		4571.8

* Values Exceed Upper Control Limit

6MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW47

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.7	1258	75.1	7.5		4491.9
27 AUG 2002	5.6	1270	73.1	8.3		4496.3
24 SEP 2002	5.2	1281	71.9	8.1		4496.9
28 OCT 2002	5.6	1281	75.2	8.1		4497.8
25 NOV 2002	5.6	1260	75.7	8.1		4488.4
10 DEC 2002	5.6	1251	76.2	8.1		4489.1
27 JAN 2003	5.6	1270	75.8	8.0		4493.3
24 FEB 2003	5.8	1253	76.1	8.0		4519.0
25 MAR 2003	5.5	1265	77.1	8.1		4541.0
28 APR 2003	5.6	1266	75.9	8.1		4546.2
27 MAY 2003	5.4	1306	69.2	8.2		4553.2
23 JUN 2003	5.3	1280	66.6	8.2		4552.4

* Values Exceed Upper Control Limit

6MW47

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

CHRISTENSEN RANCH

Well I.D. 6MW48-3

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.4	1321	71.7	7.4		4490.5
27 AUG 2002	5.2	1320	68.2	8.5		4523.6
24 SEP 2002	5.3	1341	68.5	8.2		4521.3
29 OCT 2002	5.6	1325	70.9	8.4		4828.2
25 NOV 2002	5.6	1323	68.1	8.6		4520.0
10 DEC 2002	5.3	1334	68.5	8.0		4524.3
27 JAN 2003	5.3	1329	68.4	8.4		4527.0
24 FEB 2003	5.6	1326	69.6	8.0		4538.8
25 MAR 2003	5.3	1331	72.8	8.8		4558.8
28 APR 2003	5.9	1338	73.4	8.2		4560.8
27 MAY 2003	5.3	1358	67.9	8.8		4570.0
23 JUN 2003	5.2	1358	65.1	8.1		4571.1

* Values Exceed Upper Control Limit

6MW48-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW49

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.7	1271	74.3	7.3		4490.5
27 AUG 2002	5.7	1270	73.4	8.0		4492.4
24 SEP 2002	5.7	1277	73.1	7.9		4493.0
28 OCT 2002	5.6	1278	73.5	7.9		4492.0
25 NOV 2002	5.9	1268	76.8	8.0		4485.3
10 DEC 2002	5.5	1285	75.1	8.0		4487.0
27 JAN 2003	5.6	1283	75.2	7.9		4489.2
24 FEB 2003	5.7	1269	76.1	7.8		4520.1
25 MAR 2003	5.6	1285	76.1	7.9		4543.0
28 APR 2003	5.6	1275	75.0	7.9		4548.9
27 MAY 2003	5.7	1303	69.3	7.8		4555.1
23 JUN 2003	5.7	1287	67.8	7.9		4553.9

* Values Exceed Upper Control Limit

6MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW50

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.2	1328	71.8	7.3		4513.2
27 AUG 2002	5.3	1316	73.3	8.1		4520.4
24 SEP 2002	5.2	1331	71.6	8.0		4518.3
29 OCT 2002	5.5	1321	73.7	8.0		4515.4
25 NOV 2002	5.5	1329	72.3	8.0		4518.9
10 DEC 2002	5.4	1337	75.1	8.1		4520.8
27 JAN 2003	5.1	1325	72.7	8.1		4524.4
24 FEB 2003	5.6	1318	72.6	7.9		4533.3
25 MAR 2003	7.3	1336	70.5	7.9		4556.0
28 APR 2003	5.8	1324	72.7	8.1		4560.6
27 MAY 2003	5.1	1359	67.1	8.2		4568.2
23 JUN 2003	5.2	1342	63.5	8.1		4567.9

* Values Exceed Upper Control Limit

6MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW51

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.7	1287	74.6	7.2		4499.6
27 AUG 2002	5.6	1283	72.3	8.1		4500.9
24 SEP 2002	5.7	1293	75.6	8.2		4500.2
28 OCT 2002	5.6	1289	72.4	8.0		4499.9
25 NOV 2002	5.7	1278	73.5	8.1		4492.7
10 DEC 2002	5.7	1287	75.6	8.1		4493.8
27 JAN 2003	5.7	1284	75.9	8.0		4498.0
24 FEB 2003	5.7	1275	74.8	8.0		4520.5
25 MAR 2003	5.7	1286	75.0	7.9		4543.0
28 APR 2003	5.6	1282	73.4	8.1		4545.2
27 MAY 2003	5.7	1310	68.5	8.0		4554.8
23 JUN 2003	5.4	1295	65.0	8.1		4553.6

* Values Exceed Upper Control Limit

6MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW52

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.8	1240	78.6	7.4		4506.2
27 AUG 2002	6.1	1226	79.1	8.2		4510.3
24 SEP 2002	6.1	1238	77.6	8.3		4508.8
28 OCT 2002	6.2	1233	80.1	8.3		4508.3
25 NOV 2002	6.3	1226	79.3	8.1		4513.9
10 DEC 2002	6.2	1233	82.1	8.3		4516.3
27 JAN 2003	6.0	1217	79.1	8.1		4521.1
24 FEB 2003	6.0	1214	79.7	8.2		4530.8
25 MAR 2003	6.0	1236	78.4	8.1		4550.0
28 APR 2003	5.2	1236	73.6	8.1		4554.9
27 MAY 2003	5.7	1276	69.5	8.4		4563.2
23 JUN 2003	5.7	1262	66.6	8.3		4562.0

* Values Exceed Upper Control Limit

6MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW53

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	6.2	1197	57.3	10.2		4504.0
27 AUG 2002	6.1	1195	60.2	9.0		4511.8
24 SEP 2002	6.1	1204	69.9	8.8		4510.4
28 OCT 2002	6.2	1202	70.8	8.7		4510.5
25 NOV 2002	6.3	1189	69.6	8.7		4505.0
10 DEC 2002	6.2	1218	63.1	10.5		4461.9
27 JAN 2003	6.2	1183	63.1	8.7		4465.3
24 FEB 2003	6.3	1193	71.7	8.5		4522.6
25 MAR 2003	6.3	1195	68.5	8.7		4511.0
28 APR 2003	6.0	1186	77.1	8.3		4515.6
27 MAY 2003	6.0	1212	63.0	8.8		4554.6
23 JUN 2003	6.0	1206	60.3	8.6		4553.5

* Values Exceed Upper Control Limit

6MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6MW54

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
23 JUL 2002	5.8	1249	74.9	7.3		4503.1
27 AUG 2002	5.8	1248	72.6	8.3		4504.1
24 SEP 2002	5.8	1258	73.7	8.3		4502.6
28 OCT 2002	5.9	1273	74.3	8.2		4504.3
25 NOV 2002	6.2	1250	74.0	8.1		4509.4
10 DEC 2002	6.0	1257	76.4	8.3		4510.3
27 JAN 2003	5.7	1245	73.9	8.1		4514.5
24 FEB 2003	6.3	1251	77.4	8.2		4528.2
25 MAR 2003	6.0	1264	75.6	8.2		4548.0
28 APR 2003	6.2	1257	73.8	8.7		4553.4
27 MAY 2003	5.6	1293	65.7	8.3		4560.9
23 JUN 2003	5.9	1277	65.7	8.1		4560.0

* Values Exceed Upper Control Limit

6MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Interior Shallow Sand Monitor Wells

NRCDEQ2REP

Mine Unit 5

Well I.D. MW-11S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
16 JUL 2002	6.7	1255	102.0	8.1		4641.4
20 AUG 2002	6.9	1309	104.3	8.2		4636.5
17 SEP 2002	6.7	1279	103.8	8.2		4635.3
22 OCT 2002	7.1	1174	110.3	8.1		4635.6
20 NOV 2002	6.9	1289	103.7	8.1		4634.1
17 DEC 2002	7.1	1284	105.8	8.2		4635.5
22 JAN 2003	6.7	1270	103.3	8.0		4635.0
18 FEB 2003	6.6	1299	102.4	8.2		4635.0
17 MAR 2003	6.6	1295	102.8	8.2		4633.0
21 APR 2003	6.6	1220	103.4	8.3		4632.0
19 MAY 2003	6.4	1332	91.1	8.1		4629.9
18 JUN 2003	6.6	1236	96.1	8.2		4628.1

* Values Exceed Upper Control Limit

MW-11S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3

Well I.D. MW46S

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance		Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm		mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.5	1087		184.4			
Date							
29 JUL 2002	11.0	1773	*	142.3	7.5		4552.7
14 AUG 2002	11.5	1784	*	146.0	7.9		4553.0
09 SEP 2002	12.1	1829	*	153.1	8.1		4550.4
05 OCT 2002	11.9	1761	*	152.4	8.0		4550.4
11 NOV 2002	11.6	1765	*	147.3	7.8		4552.3
10 DEC 2002	11.4	1734	*	146.6	7.8		4550.7
13 JAN 2003	11.4	1728	*	148.9	8.0		4551.2
10 FEB 2003	11.2	1720	*	146.3	7.9		4551.7
10 MAR 2003	11.2	1709	*	149.5	7.9		4548.9
15 APR 2003	11.4	1726	*	146.7	8.0		4551.0
12 MAY 2003	11.3	1783	*	138.7	8.1		4552.5
09 JUN 2003	10.9	1757	*	135.7	8.0		4551.3

* Values Exceed Upper Control Limit

MW46S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 3

CHRISTENSEN RANCH

Well I.D. MW48S

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
28 JUL 2002	9.7	1832 *	129.6	7.3		4552.8
14 AUG 2002	10.0	1847 *	131.3	7.8		4553.5
09 SEP 2002	9.9	1917 *	126.4	7.9		4552.8
05 OCT 2002	9.9	1822 *	131.7	7.9		4552.9
11 NOV 2002	10.0	1887 *	131.8	7.7		4552.1
10 DEC 2002	10.1	1892 *	129.1	7.7		4553.0
13 JAN 2003	10.1	1911 *	133.0	7.8		4553.2
10 FEB 2003	10.1	1900 *	131.2	7.8		4554.1
10 MAR 2003	10.1	1886 *	131.9	7.9		4551.7
15 APR 2003	10.1	1865 *	130.7	7.8		4553.0
12 MAY 2003	10.1	1941 *	122.8	7.9		4554.8
09 JUN 2003	9.7	1927 *	118.9	7.9		4553.8

* Values Exceed Upper Control Limit

MW48S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3

Well I.D. MW50S

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
29 JUL 2002	9.0	1387	153.2	7.6		4551.6
12 AUG 2002	9.0	1373	150.8	8.0		4556.1
09 SEP 2002	9.2	1393	153.2	8.1		4556.7
06 OCT 2002	9.4	1393	153.6	7.8		4554.6
14 NOV 2002	9.8	1376	155.1	7.9		4555.1
10 DEC 2002	9.3	1392	153.9	7.8		4554.7
14 JAN 2003	10.1	1387	155.1	7.9		4556.2
10 FEB 2003	9.4	1383	150.5	7.9		4555.1
10 MAR 2003	10.0	1389	155.2	7.8		4553.4
15 APR 2003	9.3	1379	153.8	8.0		4555.0
12 MAY 2003	10.0	1418	141.8	7.9		4556.5
09 JUN 2003	9.0	1423	140.8	8.0		4555.3

* Values Exceed Upper Control Limit

MW50S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW52S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
29 JUL 2002	7.3	1463	109.6	7.6		4547.0
14 AUG 2002	7.6	1457	119.6	8.0		4547.3
09 SEP 2002	7.5	1455	115.1	8.1		4547.2
07 OCT 2002	7.6	1422	112.8	8.0		4547.1
11 NOV 2002	7.9	1432	115.9	7.8		4546.5
10 DEC 2002	7.3	1431	110.2	7.9		4547.1
13 JAN 2003	7.6	1425	111.3	8.1		4546.6
11 FEB 2003	7.5	1426	106.9	8.0		4547.7
12 MAR 2003	7.8	1434	116.2	8.1		4545.7
16 APR 2003	7.8	1428	110.3	7.9		4548.0
12 MAY 2003	7.6	1451	102.8	8.1		4549.0
11 JUN 2003	7.3	1446	101.6	8.1		4546.9

* Values Exceed Upper Control Limit

MW52S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW54S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometr. Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
29 JUL 2002	7.8	1488	127.1	7.5		4557.0
14 AUG 2002	7.9	1479	124.6	8.0		4558.7
10 SEP 2002	7.8	1487	125.5	8.1		4557.9
06 OCT 2002	7.3	1506	121.1	7.9		4557.8
13 NOV 2002	7.7	1511	126.4	7.7		4557.4
10 DEC 2002	7.0	1501	119.6	7.8		4558.0
14 JAN 2003	7.9	1494	129.7	8.0		4558.2
10 FEB 2003	7.8	1476	127.1	8.0		4558.5
10 MAR 2003	7.4	1481	124.0	8.0		4556.3
14 APR 2003	7.3	1485	121.4	8.1		4558.0
12 MAY 2003	7.5	1533	114.3	8.0		4558.9
11 JUN 2003	7.2	1524	114.1	8.1		4557.6

* Values Exceed Upper Control Limit

MW54S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW56S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.5	1087	184.4			
Date						
29 JUL 2002	6.2	937	141.0	8.0		4557.3
14 AUG 2002	6.2	940	141.9	8.3		4556.1
10 SEP 2002	6.4	955	142.6	8.4		4555.3
07 OCT 2002	6.3	948	150.3	8.4		4555.6
13 NOV 2002	6.3	930	146.3	8.4		4554.3
10 DEC 2002	6.1	950	146.3	8.2		4555.8
14 JAN 2003	6.3	948	148.0	8.4		4555.9
10 FEB 2003	6.5	938	151.2	8.3		4556.7
12 MAR 2003	6.4	945	149.1	8.4		4554.3
16 APR 2003	6.1	940	143.2	8.3		4556.0
13 MAY 2003	6.4	962	132.6	8.4		4556.7
11 JUN 2003	6.2	965	133.2	8.4		4555.5

* Values Exceed Upper Control Limit

MW56S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW58S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.5	1087	184.4			
Date						
29 JUL 2002	7.4	972	123.8	7.9		4561.7
14 AUG 2002	7.6	976	130.2	8.6		4566.6
10 SEP 2002	7.5	1000	128.5	8.6		4564.9
07 OCT 2002	7.0	989	125.1	8.4		4565.0
13 NOV 2002	7.5	953	116.5	8.5		4564.2
10 DEC 2002	7.6	988	128.6	8.3		4564.7
14 JAN 2003	7.3	985	126.4	8.6		4564.9
11 FEB 2003	7.2	990	123.7	8.4		4565.9
12 MAR 2003	7.7	976	130.2	8.6		4563.2
16 APR 2003	7.6	985	128.1	8.4		4565.0
13 MAY 2003	7.6	1008	119.4	8.6		4565.6
11 JUN 2003	7.2	997	116.7	8.6		4564.5

* Values Exceed Upper Control Limit

MW58S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 3

CHRISTENSEN RANCH

Well I.D. MW66S-2

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
29 JUL 2002	7.3	1509	121.8	7.5		4571.9
14 AUG 2002	7.0	1491	119.3	8.0		4571.7
10 SEP 2002	7.3	1503	123.9	8.1		4570.7
07 OCT 2002	7.4	1500	124.4	8.2		4570.6
13 NOV 2002	7.3	1519	124.7	8.0		4570.8
10 DEC 2002	7.3	1502	124.4	7.9		4570.8
15 JAN 2003	7.3	1515	125.6	8.2		4571.0
12 FEB 2003	7.1	1473	121.9	8.1		4571.4
12 MAR 2003	7.1	1483	123.6	8.2		4569.3
16 APR 2003	7.6	1484	122.1	8.1		4571.3
13 MAY 2003	7.4	1530	113.4	8.1		4571.4
11 JUN 2003	7.3	1522	114.0	8.1		4570.1

* Values Exceed Upper Control Limit

MW66S-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2

Well I.D. MW68S

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride		Specific Conductance	Total Alkalinity		pH	Uranium	Piezometr. Elevation
Units	mg/l		µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	23.5		3560	304				
Date								
01 JUL 2002	23.6	*	2376	254.5		7.3		4575.6
07 AUG 2002	23.0		2356	252.8		7.3		4575.8
03 SEP 2002	21.2		2366	246.1		7.6		4573.8
01 OCT 2002	19.1		2347	233.7		7.5		4575.1
04 NOV 2002	19.5		2369	235.7		7.5		4574.7
02 DEC 2002	21.4		2394	247.6		6.9		4575.2
06 JAN 2003	23.5		2394	281.0		7.4		4574.9
03 FEB 2003	18.9		2370	230.0		7.4		4575.0
03 MAR 2003	30.4	*	2546	354.6	*	7.3		4574.8
04 MAR 2003	26.2	*	2446	310.0	*	7.1		4574.8
12 MAR 2003	26.1	*	2469	309.6	*	7.3		4575.2
18 MAR 2003	18.1		2392	224.6		7.4		4575.0
25 MAR 2003	19.5		2415	235.2		7.4		4575.0
01 APR 2003	23.4		2463	296.0		7.3		4575.0
07 APR 2003	21.0		2431	261.8		7.3		4574.0
14 APR 2003	24.2	*	2435	289.7		7.2		4575.0
05 MAY 2003	19.6		2414	254.2		7.5		4574.3
04 JUN 2003	30.6	*	2598	355.4	*	7.2		4573.8
05 JUN 2003	26.2	*	2539	274.8		6.9		4573.8
05 JUN 2003	18.4		2478	212.8		7.3		4573.8

* Values Exceed Upper Control Limit

MW68S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW70S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
01 JUL 2002	10.3	1742	23.5	9.8		4560.2
07 AUG 2002	10.5	1747	24.3	9.7		4561.2
03 SEP 2002	10.4	1725	20.5	9.5		4558.5
01 OCT 2002	10.5	1722	20.3	9.7		4559.4
04 NOV 2002	10.9	1709	20.9	9.6		4559.7
03 DEC 2002	10.5	1731	25.8	9.0		4559.6
06 JAN 2003	10.7	1724	20.8	9.5		4559.6
03 FEB 2003	10.6	1730	17.8	9.1		4559.6
03 MAR 2003	11.1	1755	23.2	9.4		4559.8
07 APR 2003	11.5	1739	20.8	9.3		4560.0
05 MAY 2003	11.3	1771	20.3	9.3		4560.3
02 JUN 2003	10.9	1823	17.0	9.2		4558.8

* Values Exceed Upper Control Limit

MW70S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW72S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometer Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
01 JUL 2002	12.4	2175	172.3	7.7		4566.9
07 AUG 2002	12.1	2173	174.2	7.7		4568.2
03 SEP 2002	12.3	2166	173.0	7.8		4565.4
01 OCT 2002	12.3	2187	162.3	7.8		4566.3
04 NOV 2002	12.4	2170	164.7	7.8		4566.2
02 DEC 2002	12.8	2198	170.1	7.2		4566.2
06 JAN 2003	12.6	2191	166.8	8.0		4566.2
03 FEB 2003	12.3	2195	159.2	7.8		4566.3
03 MAR 2003	12.7	2187	162.0	7.9		4566.6
07 APR 2003	12.9	2170	168.5	7.9		4566.0
05 MAY 2003	12.4	2200	162.9	7.9		4566.6
02 JUN 2003	12.0	2270	148.8	7.9		4565.6

* Values Exceed Upper Control Limit

MW72S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW92S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.5	3560	304			
Date						
01 JUL 2002	12.0	2408	147.3	7.3		4572.3
07 AUG 2002	11.9	2404	145.5	7.5		4573.8
03 SEP 2002	11.8	2398	144.7	7.5		4570.8
01 OCT 2002	12.7	2407	150.6	7.4		4572.3
04 NOV 2002	12.3	2389	149.9	7.4		4571.6
03 DEC 2002	12.3	2399	152.2	7.0		4572.4
07 JAN 2003	12.0	2395	147.0	7.6		4572.0
03 FEB 2003	12.0	2417	146.9	7.4		4572.2
03 MAR 2003	12.1	2417	149.7	7.6		4571.7
07 APR 2003	12.2	2428	150.1	7.6		4571.0
05 MAY 2003	12.0	2421	143.9	7.7		4572.0
04 JUN 2003	11.7	2467	133.5	7.5		4570.7

* Values Exceed Upper Control Limit

MW92S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW94S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.5	3560	304			
Date						
01 JUL 2002	14.0	2653	201.7	7.3		4554.5
07 AUG 2002	14.2	2645	195.9	7.3		4555.5
03 SEP 2002	13.6	2637	188.9	7.4		4551.5
01 OCT 2002	14.0	2637	194.3	7.4		4552.5
04 NOV 2002	14.1	2639	195.0	7.3		4552.4
03 DEC 2002	14.2	2653	195.9	6.8		4552.3
06 JAN 2003	14.5	2661	197.6	7.4		4552.6
03 FEB 2003	13.8	2648	190.7	7.3		4552.5
03 MAR 2003	14.0	2654	191.1	7.5		4552.6
07 APR 2003	14.2	2667	196.4	7.5		4552.0
05 MAY 2003	14.2	2665	195.1	7.5		4554.8
04 JUN 2003	14.1	2718	181.3	7.5		4551.6

* Values Exceed Upper Control Limit

MW94S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW96S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.5	3560	304			
Date						
01 JUL 2002	11.9	2738	233.5	7.2		4568.4
07 AUG 2002	12.0	2719	232.2	8.1		4568.8
03 SEP 2002	11.9	2727	232.7	7.4		4567.2
01 OCT 2002	11.7	2743	234.6	7.4		4568.3
04 NOV 2002	11.8	2724	235.1	7.3		4568.1
03 DEC 2002	12.1	2738	234.4	6.9		4568.2
07 JAN 2003	12.2	2756	235.6	7.3		4568.3
03 FEB 2003	12.0	2759	239.8	7.5		4568.4
03 MAR 2003	12.0	2741	236.2	7.5		4568.2
07 APR 2003	12.0	2759	236.2	7.5		4568.0
05 MAY 2003	12.1	2736	235.2	7.5		4571.1
04 JUN 2003	11.7	2796	215.1	7.4		4567.1

* Values Exceed Upper Control Limit

MW96S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 2

Well I.D. MW98S

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
01 JUL 2002	13.6	2662	182.1	7.4		4559.3
07 AUG 2002	13.9	2635	181.5	7.4		4559.6
03 SEP 2002	13.3	2660	176.6	7.6		4557.1
01 OCT 2002	13.6	2647	180.1	7.5		4558.1
04 NOV 2002	13.6	2660	176.3	7.5		4557.9
03 DEC 2002	13.2	2647	174.1	7.1		4558.8
07 JAN 2003	13.5	2646	177.9	7.5		4558.1
03 FEB 2003	13.4	2651	166.4	7.4		4558.1
04 MAR 2003	13.8	2641	170.5	7.6		4558.1
07 APR 2003	13.8	2644	171.1	7.5		4555.0
05 MAY 2003	13.4	2673	174.0	7.7		4558.2
02 JUN 2003	12.5	2728	170.0	7.6		4557.1

* Values Exceed Upper Control Limit

MW98S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW100S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.5	3560	304			
Date						
01 JUL 2002	13.1	2608	174.1	7.3		4555.7
07 AUG 2002	13.0	2691	172.1	7.4		4556.6
03 SEP 2002	12.7	2602	173.2	7.6		4554.6
01 OCT 2002	12.7	2620	172.1	7.5		4555.5
04 NOV 2002	13.3	2591	164.9	7.5		4555.4
03 DEC 2002	12.8	2599	175.6	6.9		4555.7
06 JAN 2003	13.3	2587	179.4	7.6		4555.7
03 FEB 2003	12.8	2622	172.6	7.4		4555.6
04 MAR 2003	13.2	2615	176.4	7.6		4555.6
07 APR 2003	13.0	2623	175.4	7.5		4556.0
05 MAY 2003	13.1	2644	174.8	7.6		4556.2
02 JUN 2003	12.9	2681	170.9	7.6		4554.4

* Values Exceed Upper Control Limit

MW100S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW112S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
01 JUL 2002	16.2	3410	394.4	11.2		4553.7
07 AUG 2002	16.6	3520	537.8	11.3		4554.0
03 SEP 2002	15.4	3555	392.8	11.3		4552.2
01 OCT 2002	14.6	3512	402.8	11.3		4553.3
04 NOV 2002	15.1	3559	436.0	11.2		4553.3
03 DEC 2002	14.5	3394	387.8	11.2		4553.1
07 JAN 2003	14.9	3638	465.6	11.2		4553.5
03 FEB 2003	14.0	3356	388.2	11.0		4553.5
04 MAR 2003	14.9	3629	509.0	11.4		4553.3
07 APR 2003	13.9	3285	325.6	11.3		4553.0
05 MAY 2003	14.5	3452	472.2	11.3		4553.0
02 JUN 2003	14.6	3336	373.2	11.3		4552.1

* Values Exceed Upper Control Limit

MW112S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW117S

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	768	144.5			
Date						
01 JUL 2002	8.3	738	144.2	8.0		4532.6
07 AUG 2002	8.8	720	140.0	8.3		4532.9
03 SEP 2002	8.0	734	137.6	8.2		4530.6
01 OCT 2002	8.2	726	138.6	8.4		4531.8
04 NOV 2002	8.5	732	146.0 *	8.2		4532.1
03 DEC 2002	8.3	732	143.4	7.6		4531.8
07 JAN 2003	8.3	733	141.4	8.1		4531.7
03 FEB 2003	7.8	731	139.4	8.1		4531.6
04 MAR 2003	8.0	732	136.5	8.2		4531.7
07 APR 2003	7.7	733	136.8	7.9		4532.0
05 MAY 2003	8.5	741	144.0	8.2		4532.4
02 JUN 2003	7.8	752	127.1	8.1		4531.2

* Values Exceed Upper Control Limit

MW117S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4SM-1

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	8.8	1570	142.7			
Date						
02 JUL 2002	6.8	1231	90.0	8.0		4606.4
05 AUG 2002	6.8	1232	91.0	8.2		4607.1
04 SEP 2002	6.5	1206	92.3	8.1		4605.5
02 OCT 2002	6.4	1221	89.0	8.2		4604.8
06 NOV 2002	6.9	1194	92.9	8.1		4604.9
04 DEC 2002	6.7	1211	94.7	7.8		4604.9
08 JAN 2003	6.5	1205	91.1	7.9		4607.3
04 FEB 2003	6.6	1195	92.4	8.0		4607.0
04 MAR 2003	6.7	1200	91.2	8.2		4607.1
09 APR 2003	6.7	1189	94.4	8.2		4607.0
06 MAY 2003	6.9	1275	89.9	8.1		4607.1
03 JUN 2003	6.5	1252	83.6	8.2		4605.9

* Values Exceed Upper Control Limit

4SM-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4SM-4

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	8.8	1570	142.7			
Date						
02 JUL 2002	6.5	1088	103.8	7.7		4594.3
05 AUG 2002	6.8	1088	107.3	7.9		4594.7
04 SEP 2002	6.8	1071	108.3	7.8		4593.1
02 OCT 2002	6.7	1090	106.3	7.9		4592.0
06 NOV 2002	7.0	1076	108.6	7.8		4592.1
04 DEC 2002	6.6	1092	106.3	7.6		4592.2
08 JAN 2003	6.4	1085	102.9	7.7		4595.0
04 FEB 2003	6.8	1084	107.8	7.8		4594.1
04 MAR 2003	6.6	1088	107.6	8.0		4594.3
09 APR 2003	6.6	1106	105.1	8.0		4594.0
06 MAY 2003	6.8	1092	105.5	7.9		4594.2
03 JUN 2003	6.4	1108	95.8	8.0		4593.1

* Values Exceed Upper Control Limit

4SM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4SM-8

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	8.8	1570	142.7			
Date						
02 JUL 2002	6.7	870	124.7	7.8		4590.7
05 AUG 2002	6.5	876	125.3	8.0		4591.4
04 SEP 2002	6.5	855	123.2	7.8		4589.6
01 OCT 2002	6.4	861	123.5	8.0		4589.8
06 NOV 2002	7.0	856	127.9	8.0		4589.9
04 DEC 2002	6.6	873	124.5	7.6		4589.9
08 JAN 2003	6.7	868	127.3	7.8		4591.4
04 FEB 2003	6.6	890	125.0	7.9		4591.0
04 MAR 2003	6.7	869	125.7	8.0		4590.9
09 APR 2003	6.6	865	122.4	8.1		4590.0
06 MAY 2003	6.6	868	124.7	8.0		4590.9
03 JUN 2003	6.4	882	117.1	8.0		4589.8

* Values Exceed Upper Control Limit

4SM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 4

CHRISTENSEN RANCH

Well I.D. 4SRM-07

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	19.4	1175	447.1			
Date						
02 JUL 2002	9.5	503	256.7	8.0		4585.7
05 AUG 2002	10.1	507	257.6	8.3		4589.3
04 SEP 2002	9.7	496	256.5	8.1		4580.2
02 OCT 2002	8.7	486	248.5	8.4		4580.4
06 NOV 2002	9.9	488	256.8	8.2		4580.7
04 DEC 2002	9.1	496	252.4	7.7		4580.5
08 JAN 2003	10.3	495	256.8	8.1		4581.5
04 FEB 2003	8.9	494	258.2	8.1		4580.0
04 MAR 2003	9.1	494	257.8	8.6		4581.3
09 APR 2003	9.2	491	256.0	8.1		4580.3
06 MAY 2003	8.8	502	246.7	8.2		4580.1
03 JUN 2003	8.9	507	244.6	8.1		4579.1

* Values Exceed Upper Control Limit

4SRM-07

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5SM1

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
17 JUL 2002	11.6	1220	102.1	7.6		4628.4
20 AUG 2002	12.0	1240	109.4	7.6		4626.3
17 SEP 2002	10.2	1228	109.4	7.5		4625.8
22 OCT 2002	9.9	1196	112.6	7.3		4626.9
20 NOV 2002	11.3	1196	109.1	7.6		4625.5
16 DEC 2002	7.7	1224	103.6	8.0		4627.0
21 JAN 2003	7.5	1218	98.2	7.9		4626.7
18 FEB 2003	7.6	1233	101.7	7.8		4627.4
17 MAR 2003	8.0	1212	107.2	7.8		4626.0
21 APR 2003	7.5	1193	100.0	7.9		4626.0
19 MAY 2003	7.4	1217	90.2	8.1		4626.3
17 JUN 2003	7.3	1201	93.3	8.0		4626.3

* Values Exceed Upper Control Limit

5SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5SM2

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
16 JUL 2002	7.0	1191	103.2	8.2		4673.4
20 AUG 2002	7.1	1200	105.2	8.0		4670.8
17 SEP 2002	7.2	1179	107.0	8.1		4669.9
23 OCT 2002	7.0	1186	105.3	8.0		4670.7
20 NOV 2002	7.0	1171	108.5	7.9		4669.1
17 DEC 2002	7.0	1176	106.9	8.0		4671.4
22 JAN 2003	6.8	1203	103.7	7.8		4670.6
18 FEB 2003	7.0	1187	106.7	7.9		4670.7
18 MAR 2003	7.3	1189	109.6	7.9		4670.0
22 APR 2003	7.4	1176	111.0	7.8		4670.3
19 MAY 2003	7.0	1205	100.8	8.0		4671.1
17 JUN 2003	6.8	1192	96.3	8.1		4670.3

* Values Exceed Upper Control Limit

5SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5SM3

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
16 JUL 2002	7.2	1340	88.6	8.5		4672.8
21 AUG 2002	7.2	1350	93.1	8.1		4669.2
17 SEP 2002	7.3	1344	87.2	8.5		4668.4
23 OCT 2002	7.0	1341	88.7	8.1		4669.5
20 NOV 2002	7.0	1343	90.4	8.1		4667.6
17 DEC 2002	7.4	1348	88.9	8.5		4669.6
22 JAN 2003	7.3	1347	91.5	8.0		4669.0
18 FEB 2003	7.2	1375	85.7	8.3		4669.5
17 MAR 2003	7.2	1378	86.5	8.4		4669.0
22 APR 2003	7.1	1363	86.9	8.5		4669.2
19 MAY 2003	7.1	1393	78.7	8.4		4670.1
18 JUN 2003	7.0	1371	84.2	8.2		4668.5

* Values Exceed Upper Control Limit

5SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5SM5

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
16 JUL 2002	6.2	1360	109.2	8.1		4676.5
21 AUG 2002	6.0	1349	110.4	7.8		4677.5
16 SEP 2002	6.3	1346	108.8	7.8		4677.0
21 OCT 2002	5.7	1345	102.3	7.7		4677.9
19 NOV 2002	6.2	1344	108.8	7.7		4676.4
17 DEC 2002	6.4	1344	115.6	7.9		4678.7
20 JAN 2003	5.7	1348	107.5	7.8		4678.4
18 FEB 2003	6.3	1354	113.4	7.8		4679.9
18 MAR 2003	6.3	1360	111.7	7.8		4678.0
22 APR 2003	6.0	1338	107.5	7.8		4679.1
19 MAY 2003	6.3	1366	104.2	7.8		4680.3
17 JUN 2003	6.3	1350	104.9	7.9		4679.3

* Values Exceed Upper Control Limit

5SM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5SM6

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
16 JUL 2002	9.9	634	183.6	8.5		4665.1
21 AUG 2002	9.6	629	185.3	8.4		4660.3
17 SEP 2002	9.6	631	184.0	8.4		4660.0
21 OCT 2002	9.4	635	182.4	8.5		4661.2
19 NOV 2002	9.8	633	189.0	8.4		4659.7
17 DEC 2002	9.9	627	190.0	8.5		4661.2
21 JAN 2003	9.8	628	187.3	8.4		4662.1
18 FEB 2003	9.5	632	188.3	8.5		4663.0
18 MAR 2003	9.5	632	185.6	8.4		4661.0
22 APR 2003	9.6	628	188.0	8.6		4661.4
19 MAY 2003	9.7	639	187.7	8.5		4663.2
17 JUN 2003	9.3	635	171.8	8.6		4658.9

* Values Exceed Upper Control Limit

5SM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5SM7

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
17 JUL 2002	8.1	1347	170.8	8.1		4658.9
21 AUG 2002	8.0	1322	163.7	8.1		4658.7
17 SEP 2002	7.8	1286	164.6	8.0		4658.1
21 OCT 2002	7.9	1282	164.4	8.0		4659.0
19 NOV 2002	8.3	1258	173.8	7.9		4657.7
17 DEC 2002	8.6	1269	177.8	8.0		4659.5
21 JAN 2003	8.4	1307	170.3	7.9		4659.2
18 FEB 2003	8.0	1312	171.4	7.9		4660.2
18 MAR 2003	8.3	1310	169.9	7.9		4659.0
22 APR 2003	8.2	1336	169.3	8.1		4659.6
19 MAY 2003	8.2	1369	165.5	8.1		4661.0
17 JUN 2003	7.8	1355	149.6	8.1		4655.7

* Values Exceed Upper Control Limit

5SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 5

CHRISTENSEN RANCH

Well I.D. WCOW-04

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
16 JUL 2002	6.6	1000	111.5	8.3		4640.9
20 AUG 2002	6.5	999	114.0	8.3		4637.3
17 SEP 2002	6.7	960	115.4	8.2		4636.0
22 OCT 2002	6.7	956	116.0	8.2		4636.6
20 NOV 2002	6.9	1022	118.7	8.2		4634.7
17 DEC 2002	6.8	1026	116.9	8.2		4636.4
21 JAN 2003	6.6	961	115.3	8.1		4636.1
18 FEB 2003	6.5	981	117.6	8.2		4535.6
17 MAR 2003	6.7	984	116.9	8.3		4633.7
21 APR 2003	6.7	1011	117.2	8.3		4633.0
19 MAY 2003	6.7	980	108.6	8.2		4638.0
18 JUN 2003	6.5	1214	103.1	8.3		4627.5

* Values Exceed Upper Control Limit

WCOW-04

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

CHRISTENSEN RANCH

Well I.D. 6SM1

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
23 JUL 2002	6.5	993	107.0	7.6		4702.6
26 AUG 2002	6.4	996	103.5	8.6		4702.3
24 SEP 2002	7.1	1073	116.0	8.4		4696.9
28 OCT 2002	6.3	946	100.4	8.7		4696.4
25 NOV 2002	6.9	941	100.7	8.5		4699.2
11 DEC 2002	6.5	992	103.8	8.2		4701.8
27 JAN 2003	6.6	998	105.2	8.3		4700.9
24 FEB 2003	6.5	1000	108.8	8.3		4701.9
25 MAR 2003	6.7	1058	111.7	8.3		4699.0
28 APR 2003	6.8	1064	110.4	8.3		4699.8
27 MAY 2003	7.2	1125	102.6	8.3		4701.6
24 JUN 2003	6.8	1069	101.1	8.3		4700.9

* Values Exceed Upper Control Limit

6SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM2

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
22 JUL 2002	8.9	1969	93.6	8.0		4710.0
27 AUG 2002	8.1	1968	87.0	7.9		4710.1
24 SEP 2002	8.1	1968	87.7	8.0		4706.1
28 OCT 2002	8.1	1974	87.7	7.7		4704.0
25 NOV 2002	8.2	1983	88.4	7.9		4704.1
11 DEC 2002	8.1	1971	88.3	7.8		4705.4
27 JAN 2003	8.3	1969	88.2	7.7		4705.1
24 FEB 2003	8.3	1970	88.6	7.8		4703.2
25 MAR 2003	8.2	1979	88.4	7.7		4703.0
28 APR 2003	8.5	1974	89.0	7.8		4703.5
27 MAY 2003	8.0	2011	80.3	7.9		4706.2
24 JUN 2003	8.3	1992	78.5	8.0		4705.0

* Values Exceed Upper Control Limit

6SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM3

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
22 JUL 2002	8.4	1999	46.2	8.2		4718.1
27 AUG 2002	8.4	1951	66.2	7.8		4708.8
24 SEP 2002	8.9	2016	75.5	8.0		4711.1
28 OCT 2002	8.7	2017	73.0	7.9		4710.8
25 NOV 2002	9.1	2059	76.3	7.8		4714.7
11 DEC 2002	8.4	2022	77.9	7.7		4716.7
27 JAN 2003	8.4	1982	73.8	7.7		4715.3
24 FEB 2003	8.4	2042	74.8	7.8		4714.6
25 MAR 2003	8.7	2075	73.7	7.8		4715.0
28 APR 2003	8.6	2028	70.5	7.7		4716.0
27 MAY 2003	8.6	2066	65.9	7.7		4717.1
24 JUN 2003	8.3	2096	62.1	7.9		4716.2

* Values Exceed Upper Control Limit

6SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM4

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
22 JUL 2002	7.1	1566	38.0	8.7		4720.5
27 AUG 2002	7.0	1519	29.9	8.8		4720.6
24 SEP 2002	7.2	1593	37.9	8.6		4722.1
28 OCT 2002	6.7	1574	30.1	8.7		4722.6
25 NOV 2002	6.9	1690	73.6	8.0		4714.8
11 DEC 2002	6.8	1637	63.6	7.9		4717.0
27 JAN 2003	7.0	1564	33.0	8.2		4715.8
24 FEB 2003	7.1	1581	36.9	8.2		4714.6
25 MAR 2003	7.2	1586	38.9	7.8		4714.0
28 APR 2003	7.0	1585	38.9	8.3		4715.3
27 MAY 2003	7.3	1675	49.1	8.3		4718.2
24 JUN 2003	6.7	1691	62.7	8.1		4717.1

* Values Exceed Upper Control Limit

6SM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM5

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
22 JUL 2002	8.1	1611	96.6	8.0		4711.5
27 AUG 2002	8.2	1593	99.8	7.6		4711.8
24 SEP 2002	8.1	1612	97.8	7.9		4712.1
28 OCT 2002	7.6	1618	97.4	7.9		4707.3
25 NOV 2002	7.9	1620	97.5	7.9		4706.1
11 DEC 2002	8.0	1617	97.9	7.8		4708.0
27 JAN 2003	7.9	1620	97.8	7.9		4708.2
24 FEB 2003	8.1	1616	98.9	7.9		4705.8
26 MAR 2003	8.0	1604	97.6	7.9		4705.0
28 APR 2003	8.2	1601	98.5	7.9		4706.6
27 MAY 2003	8.0	1599	89.0	7.9		4708.6
24 JUN 2003	8.0	1610	84.3	8.0		4707.1

* Values Exceed Upper Control Limit

6SM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 6

Well I.D. 6SM6

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
22 JUL 2002	12.2	511	262.9	8.3		4692.0
27 AUG 2002	11.9	500	265.2	8.0		4691.9
24 SEP 2002	12.3	509	260.5	8.3		4692.6
28 OCT 2002	12.1	515	264.8	8.1		4690.2
25 NOV 2002	12.1	511	261.4	8.0		4689.3
11 DEC 2002	12.1	506	266.0	8.2		4690.2
27 JAN 2003	11.8	497	260.1	8.1		4690.9
25 FEB 2003	11.5	511	254.8	8.3		4688.2
30 MAR 2003	12.2	498	263.6	8.0		4689.0
29 APR 2003	12.0	498	261.1	8.2		4688.2
27 MAY 2003	11.7	513	238.0	8.1		4691.0
24 JUN 2003	12.1	502	227.8	8.3		4689.7

* Values Exceed Upper Control Limit

6SM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM7

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	25.6	889	330			
Date						
22 JUL 2002	11.5	497	258.2	8.4		4699.3
27 AUG 2002	11.5	493	251.3	8.5		4699.3
24 SEP 2002	11.6	495	251.6	8.3		4688.9
29 OCT 2002	11.6	493	264.3	8.4		4687.2
25 NOV 2002	11.7	510	262.1	8.1		4687.1
11 DEC 2002	11.5	496	265.3	8.3		4690.0
28 JAN 2003	11.7	501	258.8	8.1		4690.3
25 FEB 2003	11.6	497	263.8	8.5		4688.0
30 MAR 2003	11.7	483	256.2	8.1		4689.0
29 APR 2003	11.5	492	259.3	8.2		4688.2
27 MAY 2003	11.6	509	240.9	8.3		4690.9
24 JUN 2003	11.2	503	227.6	8.4		4689.5

* Values Exceed Upper Control Limit 6SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM8

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
22 JUL 2002	10.6	2240	56.9	7.0		4730.8
27 AUG 2002	11.0	2234	56.9	7.8		4730.7
24 SEP 2002	10.4	2260	56.7	7.6		4729.9
29 OCT 2002	10.5	2224	55.1	7.7		4729.8
25 NOV 2002	10.6	2239	56.6	7.7		4729.0
11 DEC 2002	10.6	2252	58.1	7.6		4730.6
28 JAN 2003	10.8	2244	55.6	7.6		4731.0
25 FEB 2003	10.5	2245	56.3	7.9		4730.0
30 MAR 2003	10.9	2241	56.0	7.5		4729.0
29 APR 2003	9.7	2257	51.4	7.7		4729.6
28 MAY 2003	10.6	2297	51.4	7.6		4731.7
24 JUN 2003	10.1	2270	47.5	7.9		4730.1

* Values Exceed Upper Control Limit

6SM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM9

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
22 JUL 2002	9.5	2194	26.2	9.1		4731.8
27 AUG 2002	10.4	2011	29.4	9.6		4731.7
24 SEP 2002	9.6	2086	19.0	9.0		4730.4
29 OCT 2002	9.6	2092	21.4	9.2		4729.8
25 NOV 2002	10.0	2110	18.8	8.8		4729.0
11 DEC 2002	9.4	2158	19.0	8.6		4731.2
28 JAN 2003	9.8	2112	16.3	9.1		4731.0
25 FEB 2003	9.6	2112	17.9	9.1		4730.6
30 MAR 2003	10.7	2100	15.7	8.3		4730.0
29 APR 2003	9.7	2105	19.4	9.0		4729.4
28 MAY 2003	9.6	2056	21.9	8.8		4732.8
24 JUN 2003	9.2	2159	15.8	8.8		4730.8

* Values Exceed Upper Control Limit

6SM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM10

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	25.6	889	330			
Date						
23 JUL 2002	11.0	778	251.0	7.5		4692.1
28 AUG 2002	11.1	775	242.3	8.3		4690.7
24 SEP 2002	10.4	793	245.2	8.3		4680.9
29 OCT 2002	10.8	765	251.7	8.2		4680.7
26 NOV 2002	10.6	771	249.6	8.2		4690.1
11 DEC 2002	10.7	773	250.6	8.2		4680.3
28 JAN 2003	10.6	773	247.5	8.1		4680.1
25 FEB 2003	10.4	791	242.4	8.2		4680.3
26 MAR 2003	10.7	795	251.1	8.2		4678.0
29 APR 2003	10.4	779	247.2	8.2		4679.3
28 MAY 2003	10.8	803	227.3	8.3		4681.1
25 JUN 2003	10.8	796	227.4	8.3		4680.1

* Values Exceed Upper Control Limit

6SM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM11

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
23 JUL 2002	13.8	2641	87.0	7.4		4727.1
28 AUG 2002	13.8	2606	97.5	8.7		4728.5
24 SEP 2002	13.8	2644	63.1	8.3		4728.3
29 OCT 2002	13.9	2587	59.3	8.5		4728.5
26 NOV 2002	13.9	2604	60.3	8.2		4728.1
10 DEC 2002	13.8	2645	66.4	8.3		4730.2
28 JAN 2003	13.9	2610	63.8	8.1		4730.9
25 FEB 2003	13.7	2625	70.3	8.3		4729.9
30 MAR 2003	14.1	2624	70.9	7.9		4730.0
29 APR 2003	13.7	2616	66.3	8.2		4728.4
28 MAY 2003	13.6	2671	64.1	8.1		4731.5
25 JUN 2003	13.4	2655	71.6	8.3		4730.2

* Values Exceed Upper Control Limit

6SM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 6

Well I.D. 6SM12

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2	8.5		
Date						
24 JUL 2002	13.1	2739	107.8	7.1		4728.3
27 AUG 2002	12.8	2748	115.0	7.7		4728.0
24 SEP 2002	12.0	2739	105.5	7.5		4728.2
29 OCT 2002	14.5	2752	131.6	7.6		4728.3
25 NOV 2002	14.4	2770	136.5	7.7		4728.6
10 DEC 2002	13.9	2793	134.2	8.0		4730.0
28 JAN 2003	13.5	2764	135.4	7.8		4730.5
25 FEB 2003	12.8	2759	115.5	7.6		4729.7
30 MAR 2003	13.0	2754	114.1	7.5		4729.0
29 APR 2003	12.8	2766	107.8	7.7		4728.5
28 MAY 2003	12.9	2812	106.2	7.7		4731.6
24 JUN 2003	12.9	2763	98.9	7.7		4729.8

* Values Exceed Upper Control Limit

6SM12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM13

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
22 JUL 2002	13.0	2244	79.2	7.1		4732.6
28 AUG 2002	12.6	2258	77.0	7.9		4732.8
24 SEP 2002	12.1	2244	73.0	7.6		4728.5
29 OCT 2002	12.4	2245	76.8	7.7		4728.9
25 NOV 2002	13.1	2267	77.6	7.7		4728.8
11 DEC 2002	12.5	2239	75.5	7.7		4730.5
28 JAN 2003	12.6	2269	76.0	7.7		4730.8
25 FEB 2003	12.7	2283	78.0	8.0		4730.1
30 MAR 2003	13.2	2272	78.3	7.5		4730.0
29 APR 2003	13.0	2274	78.1	7.8		4730.4
28 MAY 2003	12.5	2294	70.0	7.8		4731.8
24 JUN 2003	12.3	2278	66.4	7.9		4730.2

* Values Exceed Upper Control Limit

6SM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6SM14

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
23 JUL 2002	8.1	1108	135.9	7.3		4708.6
28 AUG 2002	7.7	1096	135.2	8.4		4708.5
24 SEP 2002	8.4	1139	134.8	8.2		4703.8
29 OCT 2002	8.1	1105	126.6	8.3		4703.7
26 NOV 2002	7.3	1123	132.6	8.2		4702.5
11 DEC 2002	7.7	1146	133.8	8.2		4704.2
28 JAN 2003	7.9	1115	140.8	8.2		4704.4
25 FEB 2003	7.7	1132	138.9	8.4		4703.5
26 MAR 2003	7.5	1122	135.1	8.3		4703.0
29 APR 2003	7.9	1133	138.6	8.3		4703.9
28 MAY 2003	7.9	1166	132.8	8.3		4705.5
24 JUN 2003	7.5	1151	116.3	8.4		4704.1

* Values Exceed Upper Control Limit

6SM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Interior Deep Sand Monitor Wells

NRCDEQ2REP

Mine Unit 5

Well I.D. MW-12D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
16 JUL 2002	10.5	606	152.1	8.5		4601.4
20 AUG 2002	10.9	605	156.6	8.5		4597.9
17 SEP 2002	11.3	597	158.7	8.4		4597.4
22 OCT 2002	11.5	600	159.2	8.3		4598.4
20 NOV 2002	11.3	597	157.1	8.4		4596.6
17 DEC 2002	11.3	616	142.5	8.4		4597.7
22 JAN 2003	11.4	612	151.4	8.2		4593.2
18 FEB 2003	11.5	609	156.0	8.4		4594.3
17 MAR 2003	10.9	604	165.6	8.5		4594.0
21 APR 2003	10.5	593	162.9	8.5		4593.0
19 MAY 2003	10.7	611	163.5	8.4		4595.9
18 JUN 2003	10.5	609	147.3	8.5		4592.6

* Values Exceed Upper Control Limit

MW-12D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 3

Well I.D. MW45D

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
28 JUL 2002	9.8	596	145.7	8.3		4529.4
14 AUG 2002	9.7	608	130.0	8.6		4530.2
09 SEP 2002	9.5	601	142.4	8.7		4527.1
05 OCT 2002	9.4	614	127.3	8.5		4527.5
11 NOV 2002	9.8	609	136.9	8.4		4528.8
10 DEC 2002	10.2	614	137.9	8.4		4528.0
13 JAN 2003	9.7	615	135.9	8.6		4527.5
10 FEB 2003	9.8	617	133.3	8.5		4527.6
10 MAR 2003	9.9	612	132.8	8.5		4525.8
12 MAR 2003	9.8	635	110.8	8.5		4525.8
15 APR 2003	9.8	620	134.4	8.6		4527.0
12 MAY 2003	10.0	634	123.7	8.6		4528.4
09 JUN 2003	10.0	632	123.6	8.5		4526.5

* Values Exceed Upper Control Limit

MW45D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW47D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.5			
Date						
28 JUL 2002	9.6	604	145.3	8.1		4532.3
14 AUG 2002	9.8	606	138.8	8.7		4532.8
09 SEP 2002	9.9	607	150.2	8.8		4527.8
05 OCT 2002	9.6	613	135.2	8.6		4528.6
11 NOV 2002	9.9	659	115.5	8.4		4528.5
10 DEC 2002	9.9	622	136.1	8.5		4529.2
13 JAN 2003	9.7	616	142.1	8.7		4528.9
11 FEB 2003	9.8	612	139.8	8.7		4528.9
10 MAR 2003	9.4	610	133.6	8.7		4527.0
15 APR 2003	10.0	604	139.4	8.7		4528.0
12 MAY 2003	9.7	652	117.0	8.7		4529.7
09 JUN 2003	9.5	636	119.8	8.6		4528.8

* Values Exceed Upper Control Limit

MW47D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 3

CHRISTENSEN RANCH

Well I.D. MW49D

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.7	753	153.3				
Date							
28 JUL 2002	8.8	499	206.0	*	8.2		4531.1
14 AUG 2002	10.1	643	122.6		8.6		4530.0
09 SEP 2002	9.5	569	164.4	*	8.8		4529.8
06 OCT 2002	9.3	566	167.5	*	8.7		4530.7
14 NOV 2002	9.0	515	195.4	*	8.7		4530.3
10 DEC 2002	9.3	561	183.4	*	8.5		4530.3
14 JAN 2003	9.0	530	184.0	*	8.7		4530.7
10 FEB 2003	9.1	545	173.2	*	8.6		4531.1
10 MAR 2003	9.4	554	174.7	*	8.6		4528.1
15 APR 2003	9.2	541	181.5	*	8.7		4530.0
12 MAY 2003	9.6	600	148.8		8.7		4531.4
09 JUN 2003	9.2	598	140.9		8.6		4530.7

* Values Exceed Upper Control Limit

MW49D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW51D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
29 JUL 2002	10.0	636	123.5	8.3		4532.1
14 AUG 2002	10.1	641	119.0	8.6		4525.1
09 SEP 2002	10.0	650	117.6	8.7		4525.2
07 OCT 2002	10.0	639	118.7	8.6		4526.4
11 NOV 2002	10.2	642	117.7	8.4		4525.9
10 DEC 2002	10.3	639	123.1	8.4		4525.7
13 JAN 2003	10.5	649	120.5	8.6		4526.3
11 FEB 2003	10.3	639	120.8	8.6		4526.8
12 MAR 2003	10.3	633	123.5	8.6		4524.6
15 APR 2003	10.3	633	122.8	8.6		4526.0
12 MAY 2003	9.9	656	110.9	8.6		4527.0
11 JUN 2003	10.0	649	110.0	8.6		4525.1

* Values Exceed Upper Control Limit

MW51D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 3

CHRISTENSEN RANCH

Well I.D. MW53D

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
29 JUL 2002	10.3	653	109.9	8.4		4540.5
14 AUG 2002	10.3	639	108.9	8.6		4533.3
10 SEP 2002	10.3	655	109.0	8.7		4532.6
06 OCT 2002	10.5	654	110.9	8.7		4533.6
13 NOV 2002	10.2	654	109.8	8.7		4533.3
10 DEC 2002	10.4	651	109.1	8.4		4533.7
14 JAN 2003	10.4	652	110.5	8.7		4533.7
10 FEB 2003	10.2	644	108.4	8.6		4533.7
10 MAR 2003	10.2	647	109.3	8.7		4531.3
14 APR 2003	10.4	644	109.3	8.8		4533.0
12 MAY 2003	10.4	666	100.8	8.6		4533.3
11 JUN 2003	9.9	666	99.7	8.7		4532.3

* Values Exceed Upper Control Limit

MW53D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW55D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.7	753	153.3				
Date							
29 JUL 2002	9.1	537	168.7	*	8.7		4529.9
14 AUG 2002	9.4	537	170.1	*	8.8		4533.1
10 SEP 2002	9.2	569	164.3	*	8.7		4531.9
07 OCT 2002	9.1	557	162.8	*	8.7		4532.5
13 NOV 2002	9.0	562	163.0	*	8.8		4531.1
10 DEC 2002	8.7	547	160.2	*	8.7		4532.5
15 JAN 2003	8.9	543	171.6	*	8.8		4532.0
12 FEB 2003	9.2	529	171.7	*	8.6		4532.7
12 MAR 2003	9.2	542	167.1	*	8.8		4530.0
16 APR 2003	9.4	549	161.9	*	8.8		4532.0
13 MAY 2003	9.1	579	148.0		8.8		4532.3
11 JUN 2003	9.2	576	145.1		8.8		4531.1

* Values Exceed Upper Control Limit

MW55D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW57D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
29 JUL 2002	10.9	638	112.6	8.3		4535.0
14 AUG 2002	11.1	628	116.2	8.7		4538.6
10 SEP 2002	11.0	645	113.5	8.7		4536.8
07 OCT 2002	10.9	633	115.9	8.7		4537.4
13 NOV 2002	10.5	639	112.7	8.6		4536.3
10 DEC 2002	11.0	635	114.5	8.5		4537.3
15 JAN 2003	11.0	643	112.6	8.8		4537.0
12 FEB 2003	10.9	622	116.6	8.7		4536.7
12 MAR 2003	11.0	628	115.3	8.6		4534.8
16 APR 2003	11.2	632	113.6	8.7		4537.0
13 MAY 2003	10.8	652	104.6	8.6		4537.1
11 JUN 2003	10.6	648	103.4	8.7		4535.9

* Values Exceed Upper Control Limit

MW57D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 3

Well I.D. MW65D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.7	753	153.3				
Date							
29 JUL 2002	8.3	534	164.0	*	9.0		4540.9
14 AUG 2002	9.6	596	131.8		9.1		4543.5
10 SEP 2002	8.3	522	166.1	*	9.2		4540.1
07 OCT 2002	9.0	579	140.0		9.1		4541.5
13 NOV 2002	8.1	519	178.8	*	9.1		4541.6
10 DEC 2002	9.2	581	140.2		9.1		4540.4
15 JAN 2003	8.1	518	139.6		9.1		4541.1
12 FEB 2003	9.1	551	150.6		9.1		4541.3
12 MAR 2003	9.1	584	139.7		9.2		4538.6
16 APR 2003	9.3	548	163.3	*	9.1		4541.0
13 MAY 2003	9.7	603	131.3		9.1		4541.2
11 JUN 2003	9.0	590	131.5		9.1		4540.2

* Values Exceed Upper Control Limit

MW65D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 2

Well I.D. MW67D

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	12.9	789	134				
Date							
01 JUL 2002	9.7	570	182.9	*	8.7		4526.0
07 AUG 2002	9.9	569	182.1	*	8.7		4526.2
03 SEP 2002	9.6	565	181.1	*	8.9		4522.5
01 OCT 2002	9.3	567	179.8	*	8.9		4523.2
04 NOV 2002	10.0	560	183.4	*	8.8		4523.8
02 DEC 2002	9.6	568	180.0	*	8.1		4523.4
06 JAN 2003	9.6	558	184.6	*	8.9		4524.1
03 FEB 2003	9.5	569	180.1	*	8.6		4523.9
03 MAR 2003	9.8	572	182.4	*	8.9		4523.9
07 APR 2003	9.5	563	181.2	*	8.8		4524.0
05 MAY 2003	9.7	576	189.1	*	8.8		4524.0
02 JUN 2003	9.2	580	164.2	*	8.8		4523.0

* Values Exceed Upper Control Limit

MW67D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW69D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	12.9	789	134				
Date							
01 JUL 2002	8.6	586	160.4	*	8.8		4525.5
07 AUG 2002	8.6	588	162.9	*	8.8		4526.3
03 SEP 2002	9.0	616	159.8	*	8.9		4523.2
01 OCT 2002	9.6	631	153.3	*	8.9		4524.7
04 NOV 2002	9.6	618	142.7	*	8.9		4524.8
02 DEC 2002	9.5	620	144.1	*	8.1		4525.2
07 JAN 2003	9.2	616	140.8	*	8.9		4525.0
03 FEB 2003	9.5	618	142.0	*	8.7		4525.1
03 MAR 2003	9.7	642	138.9	*	8.9		4524.8
07 APR 2003	9.8	624	137.8	*	8.9		4525.0
05 MAY 2003	9.4	631	136.0	*	8.9		4524.4
02 JUN 2003	9.6	651	120.5		8.8		4523.9

* Values Exceed Upper Control Limit

MW69D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW71D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	12.9	789	134				
Date							
01 JUL 2002	9.4	622	147.5	*	8.7		4527.2
07 AUG 2002	9.5	608	160.9	*	8.8		4528.7
03 SEP 2002	9.2	621	143.2	*	9.0		4524.3
01 OCT 2002	9.7	632	136.3	*	8.9		4526.1
04 NOV 2002	9.7	625	139.9	*	8.9		4526.2
02 DEC 2002	9.6	637	136.1	*	8.1		4526.6
06 JAN 2003	9.5	624	143.6	*	9.0		4526.4
03 FEB 2003	9.3	631	134.5	*	8.7		4526.2
03 MAR 2003	9.8	635	131.8		9.0		4526.3
07 APR 2003	10.0	645	124.2		8.9		4526.0
05 MAY 2003	9.8	653	118.1		8.9		4525.8
02 JUN 2003	9.4	660	114.2		8.9		4525.3

* Values Exceed Upper Control Limit

MW71D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW91D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	12.9	789	134				
Date							
01 JUL 2002	8.9	550	180.1	*	8.5		4526.4
07 AUG 2002	9.9	546	186.3	*	8.5		4526.6
03 SEP 2002	9.1	571	164.0	*	8.7		4522.5
01 OCT 2002	9.1	563	170.0	*	8.6		4523.8
04 NOV 2002	9.2	550	178.0	*	8.6		4524.0
03 DEC 2002	9.4	557	186.7	*	7.8		4524.2
07 JAN 2003	9.1	552	183.3	*	8.7		4524.1
03 FEB 2003	9.2	561	173.8	*	8.5		4524.0
03 MAR 2003	9.4	571	168.7	*	8.6		4523.9
07 APR 2003	9.3	559	181.8	*	8.7		4524.0
05 MAY 2003	9.5	560	180.3	*	8.6		4523.9
02 JUN 2003	9.2	583	154.6	*	8.6		4523.0

* Values Exceed Upper Control Limit

MW91D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW93D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	12.9	789	134			
Date						
01 JUL 2002	10.0	666	109.0	8.4		4523.2
07 AUG 2002	10.2	662	112.0	8.4		4523.4
03 SEP 2002	9.9	665	108.8	8.6		4521.6
01 OCT 2002	10.2	657	109.5	8.6		4522.9
04 NOV 2002	10.1	661	110.6	8.5		4522.8
03 DEC 2002	10.0	662	109.6	7.8		4523.2
07 JAN 2003	10.4	663	114.8	8.6		4523.1
03 FEB 2003	9.9	662	108.4	8.4		4522.9
03 MAR 2003	10.1	663	111.0	8.5		4522.8
07 APR 2003	10.2	663	111.1	8.7		4523.0
05 MAY 2003	10.2	665	111.5	8.6		4522.8
04 JUN 2003	9.7	675	98.8	8.5		4521.8

* Values Exceed Upper Control Limit

MW93D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW95D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	12.9	789	134			
Date						
01 JUL 2002	9.9	658	113.0	8.4		4524.2
07 AUG 2002	10.2	654	114.8	8.3		4525.0
03 SEP 2002	9.9	660	114.6	8.6		4521.6
01 OCT 2002	10.0	652	117.4	8.6		4522.9
04 NOV 2002	10.0	653	114.6	8.5		4522.8
03 DEC 2002	10.1	650	117.9	7.8		4523.1
07 JAN 2003	10.1	656	115.6	8.6		4523.1
03 FEB 2003	9.9	657	114.3	8.4		4523.1
03 MAR 2003	9.8	658	115.3	8.5		4523.0
07 APR 2003	10.1	658	125.1	8.6		4523.0
05 MAY 2003	10.1	665	115.5	8.6		4522.6
04 JUN 2003	9.8	670	104.2	8.5		4522.1

* Values Exceed Upper Control Limit

MW95D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 2

CHRISTENSEN RANCH

Well I.D. MW97D

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.8	723	143.3			
Date						
01 JUL 2002	10.3	619	120.2	8.4		4523.1
07 AUG 2002	10.7	606	123.7	8.6		4524.3
03 SEP 2002	10.6	620	123.4	8.6		4521.4
01 OCT 2002	10.7	606	133.7	8.6		4522.5
04 NOV 2002	10.6	621	129.8	8.5		4522.6
03 DEC 2002	10.5	622	130.1	7.8		4523.0
07 JAN 2003	10.9	625	124.1	8.5		4522.6
03 FEB 2003	10.5	633	114.2	8.4		4522.4
03 MAR 2003	10.7	626	119.1	8.5		4522.8
07 APR 2003	10.5	629	109.2	8.7		4522.0
05 MAY 2003	10.7	638	112.4	8.6		4522.6
02 JUN 2003	10.3	642	105.3	8.6		4521.7

* Values Exceed Upper Control Limit

MW97D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW99D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.8	723	143.3				
Date							
01 JUL 2002	10.6	523	203.2	*	8.5		4520.2
07 AUG 2002	10.7	522	200.3	*	8.6		4520.7
03 SEP 2002	10.5	535	194.7	*	8.7		4518.9
01 OCT 2002	10.2	535	186.8	*	8.7		4520.1
04 NOV 2002	10.7	541	184.4	*	8.6		4520.3
03 DEC 2002	10.8	551	175.9	*	7.9		4520.4
07 JAN 2003	10.8	543	185.2	*	8.6		4519.9
03 FEB 2003	11.0	549	189.5	*	8.4		4519.6
04 MAR 2003	11.0	555	182.6	*	8.7		4519.6
07 APR 2003	10.6	594	145.9	*	8.7		4519.0
05 MAY 2003	10.9	576	162.0	*	8.7		4520.1
02 JUN 2003	10.5	573	150.6	*	8.7		4518.9

* Values Exceed Upper Control Limit

MW99D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW113D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.8	723	143.3				
Date							
01 JUL 2002	11.2	490	233.9	*	8.7		4520.5
07 AUG 2002	11.2	476	241.1	*	8.8		4521.3
03 SEP 2002	11.1	489	225.3	*	8.9		4519.7
01 OCT 2002	11.0	483	236.1	*	8.9		4520.9
04 NOV 2002	11.4	483	237.6	*	8.8		4521.4
03 DEC 2002	11.4	486	242.1	*	8.3		4521.4
07 JAN 2003	11.4	488	233.0	*	8.8		4520.5
03 FEB 2003	11.3	486	233.0	*	8.7		4520.4
04 MAR 2003	11.7	495	234.6	*	8.9		4520.3
07 APR 2003	11.2	504	233.5	*	8.9		4520.0
05 MAY 2003	11.4	515	213.9	*	8.8		4514.6
02 JUN 2003	10.8	527	191.5	*	8.9		4519.6

* Values Exceed Upper Control Limit

MW113D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4DM-1

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
02 JUL 2002	9.5	570	132.2	8.5		4563.8
05 AUG 2002	8.8	574	127.0	8.6		4565.7
03 SEP 2002	8.7	576	125.6	8.6		4564.2
02 OCT 2002	9.2	570	130.8	8.7		4563.3
06 NOV 2002	8.7	559	124.9	8.5		4563.7
04 DEC 2002	9.0	573	130.9	8.2		4563.5
08 JAN 2003	8.9	564	129.4	8.4		4562.8
04 FEB 2003	8.8	572	126.1	8.5		4562.4
04 MAR 2003	8.7	573	126.6	8.8		4562.0
08 APR 2003	8.9	558	128.7	8.7		4562.0
07 MAY 2003	9.1	576	129.1	8.7		4561.8
03 JUN 2003	8.3	583	125.5	8.6		4560.8

* Values Exceed Upper Control Limit

4DM-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 4

CHRISTENSEN RANCH

Well I.D. 4DM-4

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
02 JUL 2002	8.5	520	145.7	8.6		4552.8
05 AUG 2002	8.1	518	146.7	8.7		4554.9
03 SEP 2002	8.4	515	149.3	8.6		4551.4
02 OCT 2002	8.2	516	146.9	8.7		4550.5
06 NOV 2002	8.2	503	148.8	8.6		4551.4
04 DEC 2002	8.0	518	144.2	8.3		4550.7
08 JAN 2003	8.2	518	147.8	8.6		4551.3
04 FEB 2003	8.3	514	146.1	8.5		4550.2
04 MAR 2003	8.2	519	147.7	8.8		4550.2
09 APR 2003	8.3	528	145.8	8.7		4550.0
07 MAY 2003	8.3	521	146.8	8.7		4550.2
03 JUN 2003	8.0	530	131.4	8.7		4549.4

* Values Exceed Upper Control Limit

4DM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 4

Well I.D. 4DM-8

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
02 JUL 2002	8.8	520	152.2	8.6		4546.5
05 AUG 2002	8.5	522	151.9	8.6		4547.0
03 SEP 2002	8.6	516	154.0	8.6		4545.7
01 OCT 2002	8.4	512	150.2	8.7		4544.9
06 NOV 2002	8.9	510	156.5	8.6		4545.2
04 DEC 2002	8.9	516	157.6	8.2		4545.5
08 JAN 2003	8.9	515	157.5	8.6		4544.5
04 FEB 2003	8.8	514	154.9	8.5		4544.3
04 MAR 2003	8.5	518	154.2	8.8		4543.8
09 APR 2003	9.0	518	160.6	8.7		4543.0
07 MAY 2003	8.7	522	154.4	8.7		4543.7
03 JUN 2003	8.4	530	139.5	8.6		4543.0

* Values Exceed Upper Control Limit

4DM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 4

CHRISTENSEN RANCH

Well I.D. 4DRM-07

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
02 JUL 2002	8.6	533	139.1	8.5		4557.7
05 AUG 2002	8.4	535	139.2	8.6		4558.3
03 SEP 2002	8.3	529	139.4	8.6		4556.2
02 OCT 2002	8.4	521	139.6	8.6		4557.3
06 NOV 2002	8.7	521	141.7	8.6		4557.1
04 DEC 2002	8.7	534	142.7	8.2		4557.6
08 JAN 2003	8.4	526	141.2	8.5		4556.6
04 FEB 2003	8.7	528	140.3	8.5		4555.6
04 MAR 2003	8.5	528	140.2	8.3		4556.2
08 APR 2003	8.4	522	139.3	8.7		4555.5
07 MAY 2003	8.6	538	140.9	8.7		4555.4
03 JUN 2003	8.5	545	130.1	8.6		4554.6

* Values Exceed Upper Control Limit

4DRM-07

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5DM1A

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
17 JUL 2002	5.4	412	210.2	8.9		4603.1
20 AUG 2002	5.7	426	215.6	8.9		4600.5
17 SEP 2002	5.7	417	217.1	8.9		4600.7
22 OCT 2002	5.7	410	209.5	8.8		4601.0
20 NOV 2002	5.6	413	209.4	8.8		4600.0
16 DEC 2002	5.7	408	205.9	8.8		4598.8
22 JAN 2003	5.7	418	217.8	8.7		4597.4
18 FEB 2003	5.6	417	210.7	8.9		4594.4
17 MAR 2003	5.7	420	214.3	8.9		4596.0
21 APR 2003	5.6	412	212.5	8.9		4595.0
19 MAY 2003	5.5	423	199.1	8.9		4600.7
18 JUN 2003	5.4	421	192.4	8.9		4595.6

* Values Exceed Upper Control Limit

5DM1A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5DM2

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
17 JUL 2002	11.5	637	121.4	8.7		4598.6
21 AUG 2002	11.5	621	119.2	9.2		4595.1
17 SEP 2002	11.6	618	121.7	9.0		4594.3
22 OCT 2002	11.2	623	121.1	8.9		4595.2
20 NOV 2002	11.3	618	123.4	8.8		4592.4
17 DEC 2002	11.5	624	124.9	8.8		4594.1
22 JAN 2003	11.3	621	124.1	8.7		4589.2
18 FEB 2003	10.9	622	121.6	8.9		4590.5
18 MAR 2003	11.3	631	123.6	8.6		4590.0
22 APR 2003	11.2	612	120.6	9.1		4586.8
19 MAY 2003	11.2	639	112.1	8.8		4588.9
18 JUN 2003	11.0	627	112.8	8.6		4587.4

* Values Exceed Upper Control Limit

5DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5DM3

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
16 JUL 2002	10.8	566	128.0	8.7		4600.9
20 AUG 2002	10.3	579	123.6	8.7		4598.2
17 SEP 2002	10.6	559	124.7	8.7		4597.5
22 OCT 2002	10.3	561	124.4	8.8		4598.7
20 NOV 2002	11.0	555	127.3	8.7		4596.8
17 DEC 2002	10.5	556	128.5	8.7		4597.7
22 JAN 2003	10.9	559	130.3	8.4		4594.7
18 FEB 2003	10.9	561	135.6	8.8		4594.0
17 MAR 2003	10.5	562	132.6	8.7		4593.0
22 APR 2003	11.1	556	137.6	8.8		4593.3
19 MAY 2003	10.5	574	119.9	8.7		4593.2
18 JUN 2003	10.8	568	120.9	8.7		4591.1

* Values Exceed Upper Control Limit

5DM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5DM4

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
16 JUL 2002	5.6	430	219.5	8.8		4602.7
20 AUG 2002	5.6	432	219.3	8.7		4599.8
17 SEP 2002	5.5	425	217.8	8.7		4599.3
22 OCT 2002	5.7	424	224.5	8.6		4600.2
20 NOV 2002	5.7	420	221.2	8.6		4598.6
17 DEC 2002	5.7	424	224.2	8.7		4599.5
22 JAN 2003	5.8	424	229.1	8.6		4597.6
18 FEB 2003	5.8	428	227.4	8.7		4596.0
17 MAR 2003	5.8	427	226.6	8.7		4595.0
21 APR 2003	5.6	423	221.2	8.8		4594.0
19 MAY 2003	5.7	437	204.2	8.7		4595.4
17 JUN 2003	6.1	430	227.5	8.7		4594.8

* Values Exceed Upper Control Limit

5DM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5DM5

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
16 JUL 2002	5.9	465	239.4	8.7		4575.6
21 AUG 2002	5.8	444	240.2	8.6		4596.2
16 SEP 2002	5.9	450	238.6	8.6		4596.1
21 OCT 2002	6.3	445	244.2	8.6		4596.6
18 NOV 2002	6.3	447	243.7	8.6		4594.4
17 DEC 2002	5.9	444	243.6	8.6		4594.7
20 JAN 2003	6.0	445	246.3	8.6		4596.4
18 FEB 2003	5.7	448	244.9	8.6		4591.6
18 MAR 2003	6.0	450	240.9	8.5		4589.0
22 APR 2003	6.1	445	241.8	8.7		4589.8
19 MAY 2003	6.1	459	229.0	8.7		4591.0
17 JUN 2003	5.9	451	233.9	8.6		4590.0

* Values Exceed Upper Control Limit

5DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5DM7

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
17 JUL 2002	7.4	522	248.6	8.6		4578.9
21 AUG 2002	7.6	523	255.6	8.5		4594.3
17 SEP 2002	7.2	520	255.8	8.5		4593.9
21 OCT 2002	7.6	515	255.5	8.6		4594.1
18 NOV 2002	7.7	515	253.6	8.6		4593.5
17 DEC 2002	7.6	514	254.0	8.6		4590.8
21 JAN 2003	7.7	520	256.3	8.5		4587.3
18 FEB 2003	7.6	513	251.7	8.5		4586.6
18 MAR 2003	8.1	524	250.7	8.4		4585.0
22 APR 2003	7.7	517	252.3	8.6		4587.3
19 MAY 2003	7.9	533	242.5	8.6		4588.8
18 JUN 2003	7.9	539	236.8	8.5		4582.9

* Values Exceed Upper Control Limit

5DM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. WCOW-37D

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
16 JUL 2002	8.9	462	238.9	8.6		4597.6
21 AUG 2002	8.8	458	241.4	8.5		4594.6
17 SEP 2002	8.8	461	242.3	8.5		4593.5
21 OCT 2002	8.7	458	241.0	8.5		4594.9
19 NOV 2002	9.0	459	242.8	8.5		4593.9
17 DEC 2002	9.0	457	245.3	8.6		4592.5
21 JAN 2003	8.7	459	241.5	8.4		4595.3
18 FEB 2003	8.8	453	246.6	8.5		4588.6
18 MAR 2003	8.9	462	244.2	8.5		4587.5
22 APR 2003	8.7	458	243.9	8.6		4587.9
19 MAY 2003	9.1	471	227.1	8.6		4589.2
18 JUN 2003	8.8	467	232.0	8.6		4583.5

* Values Exceed Upper Control Limit

WCOW-37D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM1

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
23 JUL 2002	9.4	797	102.3	7.5		4510.6
26 AUG 2002	8.7	797	102.2	8.3		4513.5
24 SEP 2002	8.8	796	106.2	8.3		4514.3
28 OCT 2002	8.6	799	98.9	8.1		4513.5
25 NOV 2002	8.6	793	99.9	8.2		4513.7
10 DEC 2002	8.5	791	98.7	8.3		4518.1
27 JAN 2003	8.5	795	98.8	8.3		4519.7
24 FEB 2003	8.7	797	101.8	8.3		4525.2
25 MAR 2003	8.5	799	101.5	8.3		4538.0
28 APR 2003	8.6	795	98.2	7.9		4538.4
27 MAY 2003	8.5	821	89.3	8.3		4550.9
23 JUN 2003	8.3	812	84.6	8.3		4552.1

* Values Exceed Upper Control Limit

6DM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM2

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
22 JUL 2002	6.9	1119	70.2	9.3		4513.5
27 AUG 2002	6.7	1116	68.9	9.5		4512.3
24 SEP 2002	6.9	1097	55.1	8.7		4512.2
29 OCT 2002	7.0	1072	48.6	9.4		4509.7
25 NOV 2002	7.3	1096	56.9	9.1		4516.4
10 DEC 2002	6.6	1117	61.6	9.4		4517.0
27 JAN 2003	6.7	1122	69.0	9.1		4518.4
24 FEB 2003	6.5	1112	70.7	9.0		4525.1
25 MAR 2003	6.4	1117	67.8	9.0		4539.0
28 APR 2003	6.9	1120	69.7	8.9		4540.4
27 MAY 2003	6.5	1146	64.9	8.8		4553.1
23 JUN 2003	6.4	1139	59.7	9.1		4551.4

* Values Exceed Upper Control Limit

6DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6

Well I.D. 6DM3-2

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
22 JUL 2002	6.8	1103	82.5	8.0		4515.8
27 AUG 2002	6.9	1106	84.2	8.0		4518.1
24 SEP 2002	6.6	1107	79.3	8.0		4518.0
28 OCT 2002	6.9	1108	81.3	7.6		4512.5
25 NOV 2002	6.9	1110	81.2	7.9		4513.1
10 DEC 2002	6.7	1093	81.5	7.8		4514.6
27 JAN 2003	6.6	1099	81.2	7.9		4517.3
24 FEB 2003	6.7	1086	83.0	7.8		4524.2
25 MAR 2003	6.8	1096	84.1	8.1		4541.0
28 APR 2003	6.7	1098	82.1	7.9		4541.9
27 MAY 2003	6.4	1130	72.8	7.9		4553.9
23 JUN 2003	6.4	1112	69.8	8.0		4555.7

* Values Exceed Upper Control Limit

6DM3-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM4-2

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
22 JUL 2002	8.2	980	96.5	8.6		4517.1
27 AUG 2002	8.2	979	98.0	8.5		4519.4
24 SEP 2002	7.9	1006	92.3	8.5		4519.3
29 OCT 2002	7.2	1139	83.0	8.2		4514.4
25 NOV 2002	7.3	1110	86.8	8.3		4514.6
10 DEC 2002	7.3	1070	87.1	8.3		4517.0
27 JAN 2003	6.8	1068	84.1	8.3		4521.2
24 FEB 2003	7.0	1069	87.7	8.3		4525.0
25 MAR 2003	6.8	1119	84.9	8.4		4541.0
28 APR 2003	6.4	1131	80.6	8.3		4542.3
27 MAY 2003	6.4	1159	74.1	8.4		4554.5
23 JUN 2003	6.3	1152	69.3	8.3		4555.9

* Values Exceed Upper Control Limit

6DM4-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM5

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
22 JUL 2002	6.9	1139	77.5	8.1		4518.8
27 AUG 2002	6.6	1140	78.1	8.0		4519.6
24 SEP 2002	6.6	1152	76.7	7.9		4520.8
28 OCT 2002	6.6	1140	77.6	7.9		4518.8
25 NOV 2002	6.7	1140	76.1	7.8		4515.7
10 DEC 2002	6.4	1151	76.8	7.8		4516.8
27 JAN 2003	6.4	1157	79.2	7.9		4516.1
24 FEB 2003	6.8	1146	81.8	7.9		4526.2
25 MAR 2003	6.4	1159	79.5	8.0		4544.0
28 APR 2003	6.4	1158	79.5	7.8		4545.1
27 MAY 2003	6.5	1186	72.7	7.9		4558.2
23 JUN 2003	6.4	1169	69.4	7.8		4558.7

* Values Exceed Upper Control Limit

6DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM6

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
23 JUL 2002	8.7	845	92.6	7.8		4517.1
28 AUG 2002	7.9	840	96.1	8.5		4520.9
24 SEP 2002	7.6	849	92.2	8.5		4524.6
28 OCT 2002	8.1	844	93.4	8.5		4520.9
25 NOV 2002	7.6	845	92.2	8.5		4525.6
10 DEC 2002	7.7	839	94.8	8.4		4526.5
27 JAN 2003	7.7	847	93.7	8.4		4528.0
24 FEB 2003	7.7	840	93.3	8.5		4536.7
25 MAR 2003	7.6	842	93.7	8.5		4552.0
28 APR 2003	7.8	840	94.7	8.5		4558.8
28 MAY 2003	7.6	858	86.1	8.5		4565.3
23 JUN 2003	7.6	849	83.3	8.5		4566.1

* Values Exceed Upper Control Limit

6DM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 6

CHRISTENSEN RANCH

Well I.D. 6DM7

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
24 JUL 2002	7.5	878	90.5	7.7		4534.7
27 AUG 2002	7.3	873	89.8	8.4		4539.5
24 SEP 2002	7.3	877	89.6	8.5		4537.8
29 OCT 2002	7.6	872	94.4	8.4		4540.1
26 NOV 2002	7.5	862	92.9	8.3		4536.6
10 DEC 2002	7.3	868	88.5	8.4		4538.1
27 JAN 2003	7.3	867	89.7	8.3		4539.6
24 FEB 2003	7.6	866	92.4	8.4		4547.5
25 MAR 2003	8.0	865	90.6	8.5		4565.0
28 APR 2003	7.6	853	92.8	8.4		4564.7
27 MAY 2003	7.3	894	94.2	8.4		4575.6
23 JUN 2003	7.2	877	79.3	8.4		4576.9

* Values Exceed Upper Control Limit

6DM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM8

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
23 JUL 2002	7.6	857	88.4	7.9		4527.3
28 AUG 2002	7.6	839	83.7	8.7		4525.9
24 SEP 2002	7.6	850	87.7	8.6		4530.2
29 OCT 2002	7.6	822	86.8	8.6		4532.7
25 NOV 2002	7.9	833	87.1	8.6		4530.8
10 DEC 2002	7.9	846	95.1	8.4		4531.6
27 JAN 2003	7.7	830	86.6	8.5		4533.2
24 FEB 2003	7.8	843	90.3	8.6		4539.3
25 MAR 2003	10.8	855	87.1	8.5		4556.0
28 APR 2003	7.6	852	92.6	8.4		4563.7
28 MAY 2003	7.5	873	84.8	8.5		4570.0
25 JUN 2003	7.8	860	84.8	8.5		4571.1

* Values Exceed Upper Control Limit

6DM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM9

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
23 JUL 2002	7.9	838	93.8	7.3		4525.5
28 AUG 2002	7.7	831	92.2	8.3		4529.4
24 SEP 2002	7.7	836	90.7	7.8		4526.8
29 OCT 2002	7.9	821	94.2	7.7		4529.3
26 NOV 2002	7.9	825	93.7	7.8		4527.6
10 DEC 2002	7.9	831	92.6	8.0		4528.8
27 JAN 2003	7.3	832	88.8	8.0		4529.4
24 FEB 2003	7.8	829	93.3	8.1		4537.0
25 MAR 2003	8.0	836	93.4	7.7		4551.0
28 APR 2003	7.6	832	92.3	8.1		4558.7
28 MAY 2003	7.7	858	84.3	8.2		4565.0
25 JUN 2003	7.6	842	85.7	8.2		4565.3

* Values Exceed Upper Control Limit

6DM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM10

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
23 JUL 2002	8.5	846	91.8	7.7		4528.0
28 AUG 2002	7.4	838	91.3	8.3		4531.0
24 SEP 2002	9.2	854	91.5	8.3		4527.4
29 OCT 2002	7.8	830	91.8	8.4		4529.3
26 NOV 2002	7.4	831	89.1	8.3		4526.1
10 DEC 2002	7.7	841	93.2	8.4		4528.0
27 JAN 2003	7.5	842	91.4	8.4		4527.7
24 FEB 2003	7.8	840	90.8	8.3		4536.8
25 MAR 2003	7.6	847	91.4	8.2		4552.0
28 APR 2003	7.6	844	94.0	8.5		4559.1
28 MAY 2003	7.6	864	85.2	8.3		4563.6
25 JUN 2003	7.5	849	84.9	8.5		4566.3

* Values Exceed Upper Control Limit

6DM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM11

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.9	1101	385.3			
Date						
23 JUL 2002	8.9	575	292.3	8.5		4537.2
28 AUG 2002	8.7	565	285.0	8.5		4542.5
24 SEP 2002	8.4	578	281.2	8.5		4542.8
29 OCT 2002	9.4	580	288.4	7.8		4543.5
26 NOV 2002	9.2	571	288.2	8.4		4542.6
10 DEC 2002	9.4	588	275.4	8.6		4543.9
27 JAN 2003	9.0	581	284.1	8.5		4543.3
24 FEB 2003	10.4	575	340.0	8.6		4549.9
30 MAR 2003	9.0	572	295.4	8.6		4561.0
28 APR 2003	8.7	563	286.3	8.7		4567.8
28 MAY 2003	8.9	596	261.9	8.7		4573.0
25 JUN 2003	10.0	584	252.7	8.6		4575.3

* Values Exceed Upper Control Limit

6DM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM12

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.9	1101	385.3			
Date						
24 JUL 2002	8.3	529	139.9	8.3		4538.4
27 AUG 2002	8.3	539	136.1	8.6		4540.5
24 SEP 2002	8.1	538	137.5	8.6		4543.5
29 OCT 2002	8.3	530	144.2	8.6		4545.7
25 NOV 2002	8.3	561	139.9	8.5		4544.4
10 DEC 2002	7.8	538	134.1	8.6		4544.7
27 JAN 2003	8.3	533	134.8	8.5		4543.8
24 FEB 2003	8.1	534	137.5	8.7		4550.6
30 MAR 2003	8.4	534	130.5	8.6		4561.0
28 APR 2003	8.3	534	132.9	8.6		4568.1
28 MAY 2003	8.3	549	120.2	8.6		4574.6
24 JUN 2003	8.3	540	117.4	8.7		4574.2

* Values Exceed Upper Control Limit

6DM12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM13

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.9	1101	385.3			
Date						
22 JUL 2002	8.8	631	196.4	7.8		4536.0
28 AUG 2002	8.2	622	196.0	8.1		4538.6
24 SEP 2002	8.2	637	195.5	8.4		4541.1
29 OCT 2002	8.3	622	199.2	8.3		4543.6
25 NOV 2002	8.3	633	200.5	8.2		4541.0
10 DEC 2002	8.4	630	203.1	8.4		4542.5
27 JAN 2003	8.3	629	203.0	8.3		4541.7
24 FEB 2003	8.5	628	198.8	8.4		4549.7
30 MAR 2003	8.4	629	200.2	8.1		4558.0
28 APR 2003	8.2	629	198.9	8.3		4558.8
28 MAY 2003	8.1	649	195.0	8.3		4571.7
23 JUN 2003	7.7	640	170.3	8.4		4570.4

* Values Exceed Upper Control Limit

6DM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DM14

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
23 JUL 2002	9.4	800	101.5	7.7		4519.7
28 AUG 2002	7.9	807	97.8	8.6		4521.0
24 SEP 2002	7.9	801	102.4	8.6		4521.4
29 OCT 2002	8.0	776	101.2	8.6		4523.7
26 NOV 2002	8.2	798	103.2	8.4		4523.4
10 DEC 2002	8.3	805	103.0	8.5		4524.1
27 JAN 2003	7.8	820	96.7	8.2		4523.0
24 FEB 2003	7.6	831	93.2	8.4		4532.3
25 MAR 2003	8.0	811	99.3	8.6		4548.0
28 APR 2003	7.7	829	93.4	8.4		4549.3
28 MAY 2003	7.7	849	86.6	8.4		4561.1
24 JUN 2003	7.9	839	83.3	8.5		4562.1

* Values Exceed Upper Control Limit

6DM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Perimeter Ore Zone Trend Wells

NRCDEQ2REP

Mine Unit 2

Well I.D. MW78T

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	13.6	823	121.3			
Date						
01 JUL 2002	9.6	683	100.4	8.3		4499.3
07 AUG 2002	9.4	676	98.7	8.3		4502.2
03 SEP 2002	9.5	685	101.2	8.5		4503.8
30 SEP 2002	9.5	689	99.9	8.6		4507.9
04 NOV 2002	9.5	681	101.6	8.4		4511.2
02 DEC 2002	9.8	689	106.7	7.2		4512.1
06 JAN 2003	9.8	677	103.8	8.4		4513.6
03 FEB 2003	9.6	687	101.8	7.9		4513.0
03 MAR 2003	10.5	675	100.9	8.5		4513.4
09 APR 2003	9.0	690	96.1	8.6		4516.0
05 MAY 2003	10.2	684	102.5	8.6		4515.7
02 JUN 2003	9.6	690	91.5	8.6		4506.5

* Values Exceed Action Level

MW78T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 2

Well I.D. MW87T

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	13.6	823	121.3			
Date						
01 JUL 2002	10.1	671	100.1	8.4		4496.8
07 AUG 2002	10.6	667	104.4	8.4		4500.4
03 SEP 2002	10.0	672	100.3	8.5		4501.3
30 SEP 2002	10.2	672	102.7	8.6		4503.6
04 NOV 2002	10.2	670	102.2	8.4		4508.3
03 DEC 2002	9.8	671	100.8	7.7		4503.1
07 JAN 2003	10.2	662	101.0	8.5		4512.2
03 FEB 2003	9.8	672	99.7	8.4		4511.3
03 MAR 2003	10.1	671	101.3	8.5		4512.7
07 APR 2003	10.2	656	100.4	8.6		4512.0
05 MAY 2003	10.1	669	99.4	8.5		4513.9
02 JUN 2003	10.0	687	91.7	8.4		4505.8

* Values Exceed Action Level

MW87T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 5

Well I.D. 5TW-1

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	22.7	1004	134.3			
Date						
17 JUL 2002	8.5	717	104.2	8.6		4548.9
21 AUG 2002	8.9	719	112.1	8.6		4539.7
17 SEP 2002	8.6	712	109.9	8.7		4538.2
21 OCT 2002	8.5	717	107.5	8.5		4547.1
19 NOV 2002	8.7	714	109.4	8.5		4539.4
17 DEC 2002	8.9	708	110.7	8.6		4534.6
21 JAN 2003	8.7	717	109.6	8.5		4536.7
18 FEB 2003	8.3	720	108.2	8.6		4541.7
18 MAR 2003	8.4	723	106.9	8.6		4541.0
22 APR 2003	8.3	714	106.4	8.6		4539.5
19 MAY 2003	8.6	733	98.0	8.5		4545.8
17 JUN 2003	8.3	725	98.2	8.5		4540.7

* Values Exceed Action Level

5TW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6TW1

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Action Level	20		1576		95.2				
Date									
22 JUL 2002	11.9		1297		72.4		10.6		4518.3
27 AUG 2002	9.4		1217		48.6		8.8		4517.7
24 SEP 2002	8.7		1183		31.3		9.2		4522.6
29 OCT 2002	10.5		1254		74.2		8.8		4523.2
25 NOV 2002	11.9		1359		104.9	*	8.4		4515.9
11 DEC 2002	10.4		1340		103.7	*	8.3		4521.6
28 JAN 2003	12.7		1437		158.1	*	8.0		4522.3
25 FEB 2003	24.0	*	1868	*	344.2	*	7.5		4533.9
30 MAR 2003	46.3	*	2541	*	642.6	*	7.0		4559.0
29 APR 2003	63.9	*	2970	*	825.2	*	7.1		4565.1
28 MAY 2003	48.3	*	2550	*	583.6	*	7.2		4571.6
24 JUN 2003	93.1	*	3750	*	1004.0	*	6.8		4572.2

* Values Exceed Action Level

6TW1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6TW2

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Action Level	20	1576	95.2				
Date							
22 JUL 2002	7.8	1341	75.3		8.3		4513.6
27 AUG 2002	9.9	1369	97.5	*	8.3		4516.4
24 SEP 2002	13.7	1419	96.0	*	8.2		4516.2
28 OCT 2002	15.1	1447	119.9	*	8.1		4521.6
25 NOV 2002	13.7	1454	124.1	*	8.1		4513.3
11 DEC 2002	13.6	1453	128.7	*	8.1		4514.9
28 JAN 2003	14.3	1470	140.8	*	8.0		4517.7
25 FEB 2003	14.1	1480	140.1	*	8.2		4535.5
30 MAR 2003	14.9	1467	137.9	*	7.9		4558.0
29 APR 2003	15.8	1473	149.1	*	8.1		4564.4
27 MAY 2003	15.5	1506	136.9	*	8.1		4570.8
24 JUN 2003	15.8	1485	129.8	*	8.2		4571.5

* Values Exceed Action Level

6TW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6TW3

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	20	1576	95.2			
Date						
23 JUL 2002	5.6	1289	75.5	7.2		4518.7
27 AUG 2002	5.3	1291	74.9	8.0		4523.9
24 SEP 2002	5.4	1314	75.9	7.9		4522.2
29 OCT 2002	5.6	1294	78.5	8.0		4524.5
25 NOV 2002	5.6	1311	74.9	8.0		4528.2
11 DEC 2002	5.6	1305	78.0	7.9		4521.6
28 JAN 2003	5.7	1301	75.8	7.8		4522.5
25 FEB 2003	5.5	1307	77.1	8.1		4532.8
26 MAR 2003	5.5	1299	77.6	8.1		4559.0
29 APR 2003	5.8	1296	79.1	7.9		4564.9
27 MAY 2003	5.6	1324	71.3	8.0		4572.1
25 JUN 2003	5.4	1308	69.6	8.0		4573.3

* Values Exceed Action Level

6TW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6TW4

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Action Level	20	1576	95.2				
Date							
22 JUL 2002	6.4	1171	78.6		8.3		4515.2
27 AUG 2002	6.7	1149	79.3		8.3		4519.4
24 SEP 2002	6.5	1149	80.2		8.1		4516.4
28 OCT 2002	6.6	1130	81.2		8.2		4512.9
25 NOV 2002	6.9	1121	82.6		8.2		4516.2
11 DEC 2002	6.7	1108	83.2		8.2		4517.6
28 JAN 2003	9.0	1115	84.1		8.2		4518.8
25 FEB 2003	15.1	1215	98.3	*	8.4		4535.5
30 MAR 2003	16.8	1317	111.5	*	8.0		4557.0
29 APR 2003	17.5	1356	117.1	*	8.1		4563.0
27 MAY 2003	16.7	1397	116.6	*	8.1		4569.4
24 JUN 2003	16.8	1401	102.9	*	8.2		4570.2

* Values Exceed Action Level

6TW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELL

Mine Unit 6

Well I.D. 6TW5

2003

Water Quality Parameters	Chloride		Specific Conductance		Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l		µ mho/cm		mg/l as $CaCO_3$			mg/l	msl
Action Level	20		1576		95.2				
Date									
22 JUL 2002	23.0	*	1817	*	274.0	*	6.9		4525.6
28 AUG 2002	10.7		1541		161.3	*	8.0		4526.0
24 SEP 2002	7.7		1528		143.4	*	8.0		4526.6
29 OCT 2002	8.1		1515		123.0	*	7.6		4525.8
25 NOV 2002	13.3		1720	*	213.5	*	7.6		4525.3
11 DEC 2002	17.4		1831	*	290.0	*	7.4		4526.8
28 JAN 2003	7.9		1554		146.2	*	7.7		4527.3
25 FEB 2003	8.2		1566		153.9	*	7.9		4541.1
26 MAR 2003	10.5		1645	*	185.2	*	7.8		4558.0
29 APR 2003	19.3		1898	*	278.8	*	7.4		4567.4
27 MAY 2003	23.4	*	1949	*	296.8	*	7.5		4573.3
24 JUN 2003	10.0		1648	*	149.5	*	7.7		4573.8

* Values Exceed Action Level

6TW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Interior Deep Sand Trend Wells

NRCDEQ2REP

Mine Unit 5

Well I.D. 5DM8T

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	22.8	1017	420.9			
Date						
16 JUL 2002	8.9	611	136.6	8.4		4564.6
21 AUG 2002	8.9	591	141.2	8.2		4571.0
16 SEP 2002	8.8	593	134.2	8.5		4569.1
21 OCT 2002	9.0	590	139.9	8.3		4567.3
18 NOV 2002	9.1	592	137.7	8.3		4565.4
17 DEC 2002	9.2	589	140.4	8.3		4565.0
20 JAN 2003	9.0	590	140.3	8.4		4561.5
18 FEB 2003	9.2	596	144.3	8.5		4562.2
18 MAR 2003	9.0	597	138.9	8.3		4558.0
22 APR 2003	8.7	590	135.8	8.5		4559.3
19 MAY 2003	9.4	605	132.8	8.5		4560.7
18 JUN 2003	8.7	596	124.2	8.5		4560.2

* Values Exceed Action Level

5DM8T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

Mine Unit 5

CHRISTENSEN RANCH

Well I.D. 5DM9T

INTERIOR DEEP SAND TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	22.8	1017	420.9			
Date						
16 JUL 2002	10.2	552	145.8	8.6		4570.2
20 AUG 2002	10.5	525	115.2	8.6		4565.6
17 SEP 2002	10.8	518	122.5	8.5		4560.4
23 OCT 2002	10.6	526	126.4	8.6		4562.6
18 NOV 2002	10.0	532	142.9	8.6		4560.2
16 DEC 2002	10.8	517	124.3	8.5		4557.4
20 JAN 2003	10.8	519	132.7	8.6		4555.9
18 FEB 2003	10.2	537	149.5	8.6		4556.6
18 MAR 2003	10.9	515	122.9	8.4		4551.0
22 APR 2003	10.2	533	129.9	8.7		4553.3
19 MAY 2003	10.4	538	126.5	8.6		4556.8
16 JUN 2003	10.2	541	128.4	8.6		4551.9

* Values Exceed Action Level

5DM9T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

Mine Unit 6

Well I.D. 6DT1

COGEMA Mining Inc.

CHRISTENSEN RANCH

INTERIOR DEEP SAND TREND WELL

2003

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	21.3	1802	121.7			
Date						
24 JUL 2002	8.3	799	102.9	7.6		4512.6
26 AUG 2002	8.3	810	98.0	8.5		4517.4
24 SEP 2002	8.3	817	97.3	8.5		4515.9
28 OCT 2002	9.4	815	98.5	8.4		4513.8
25 NOV 2002	8.2	830	96.7	8.4		4518.8
10 DEC 2002	8.7	819	98.8	8.4		4519.7
27 JAN 2003	8.2	817	97.6	8.4		4522.0
24 FEB 2003	8.0	819	96.6	8.3		4527.2
25 MAR 2003	8.1	821	97.6	8.4		4548.0
28 APR 2003	8.3	817	98.3	8.3		4552.2
27 MAY 2003	8.1	844	88.9	8.4		4556.8
23 JUN 2003	8.2	830	86.0	8.4		4558.3

* Values Exceed Action Level

6DT1

Negative U3O8 Grades Indicate Less Than Detection Limit.

APPENDIX 3

Reclamation/Restoration Bond Estimate 2003-2004

COGEMA Mining, Inc.
SUMMARY OF RECLAMATION/RESTORATION BOND ESTIMATE, 2003 - 2004
WDEQ PERMIT NO. 478/USNRC LICENSE SUA-1341
ABLE 1

I GROUNDWATER RESTORATION - Worksheet 1:		$4,000,780
II DECOMMISSIONING AND SURFACE RECLAMATION:		
A. Process Plant(s) Equipment Removal and Disposal Worksheet 2		$205,103
B. Plant Building(s) Demolition and Disposal Worksheet 3		$720,777
C. Process Pond Sludge and Liner Handling Worksheet 4		$1,258,692
D. Well Abandonment Worksheet 5		$744,573
E. Wellfield Equipment Removal and Disposal Worksheet 6		$850,720
F. Topsoil Replacement and Revegation Worksheet 7		$753,148
G. Miscellaneous Reclamation Activities Worksheet 8		$129,778
Sub Total - Decommissioning and Surface Reclamation		$4,662,790
TOTAL RESTORATION AND RECLAMATION		$8,663,571
SUBTOTAL		$8,663,571
Miscellaneous Costs Associated with Third Party Contractors		
Project Design	2%	
Contractor Profit & Mobilization	8%	
Pre-construction Investigation	1%	
Project Management	5%	
On-site monitoring	0.5%	
Site Security & Liability Assurance	1%	
Longterm Administration	2%	
Contingency	15%	
TOTAL CONTINGENCY	34.5%	$2,988,932
GRAND TOTAL RESTORATION AND RECLAMATION		$11,652,503

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 1

GROUNDWATER RESTORATION

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
Technical Assumptions:									
Wellfield Area (Ft²)	522720	784080	890000	798944	510088	1210968	2021243	1332936	1600000
Wellfield Area (Acres)	12.00	18.00	20.43	18.34	11.71	27.80	46.40	30.6	36.7
Affected Ore Zone Area (Ft²)	522720	784080	890000	798944	550193	1346004	2058344		
Avg Completed Thickness (Ft)	15.0	18.0	11.0	10.0	12.7	19.9	21.8		
Affected Volume:									
Factor For Vertical Flare	20%	20%	20%	20%	20%	20%	20%		
Factor For Horizontal Flare	20%	20%	20%	20%	20%	20%	20%		
Total Volume (Ft³)	11290752	20323353.6	14097600	11504793.6	10061929.6	38593685.7	64615534.85		
Porosity	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%		
Gallons Per Cubic Foot	7.48	7.48	7.48	7.48	7.48	7.48	7.48		
Gallons Per Pore Volume	21958254.49	39524858.1	27417012.5	22374522.6	19568440.7	75057000	125664292.2		
Number of Wells in Unit(s)									
Production Wells	150	274	153	185	105	217	202	155	
Injection Wells	310	330	173	277	128	277	244	170	
Monitor Wells	150	165	50	46	44	70	65	66	
Baseline Water Quality wells (prod or inj)	19	27	24	19	15	25	47		
Average Well Spacing (Ft)	35	35	85	70	85	85	100	100	
Average Well Depth (Ft)	250	250	345	300	430	450	520	550	
I GROUNDWATER SWEEP									
A. PLANT & OFFICE									
Operating Assumptions:									
Flowrate (gpm)	200	200	200	200	200	200	200		
PV's Required	4	1	1	1	1	1	1		
Total Gallons For Treatment	87833017.96	39524858.1	27417012.5	22374522.6	19568440.7	75057000	125664292.2		
Total KGals for Treatment	87833	39525	27417	22375	19568	75057	125664		
Cost Assumptions:	127358								
Power									
Avg Connected Hp	51.30	51.30	40.00	40.00	40.00	40.00	40.00		
Kwh's/Hp	1.00	1.00	0.83	0.83	0.83	0.83	0.83		
$/Kwh	$0.051	$0.051	$0.0365	$0.0365	$0.0365	$0.0365	$0.0365		
Gallons Per Minute	200	200	200	200	200	200	100		
Gallons Per Hour	12000	12000	12000	12000	12000	12000	6000		
Cost Per Hour	2.62	2.62	1.21	1.21	1.21	1.21	1.21		
Cost Per Gallon	0.00022	0.00022	0.00010	0.00010	0.00010	0.00010	0.00020		
Cost Per KGal ($)	$0.218	$0.218	$0.101	$0.101	$0.101	$0.101	$0.202		
Chemicals									
Antiscalent ($/Kgals)	$0.0947	$0.0947	$0.0947	$0.0947	$0.0947	$0.0947	$0.0947		
Elution ($/KGals)	$0.099	$0.099	$0.099	$0.099	$0.099	$0.099	$0.099		
Repair & Maintenance ($/KGals)	$0.0379	$0.0379	$0.0379	$0.0379	$0.0379	$0.0379	$0.0379		
Analysis ($/KGals)	$0.043	$0.137	$0.175	$0.170	$0.153	$0.067	$0.075		
Total Cost Per KGal	$0.493	$0.586	$0.508	$0.502	$0.486	$0.399	$0.508		
Total Treatment Cost	$43,292	$23,171	$13,918	$11,241	$9,508	$29,963	$63,884		
Utilities									
Power ($/Month)	$65	$65	$65	$65	$65	$65	$65		
Telephone ($/Month	$500	$500	$500	$500	$500	$500	$500		
Time For Treatment									
Minutes For Treatment	439165	197624	137085	111873	97842	375285	628321		
Hours For Treatment	7319	3294	2285	1865	1631	6255	10472		
Days For Treatment	305	137	95	78	68	261	436		
Average Days Per Month	30.4	30.4	30.4	30.4	30.4	30.4	30.4		
Months For Treatment	10.0	4.5	3.1	2.6	2.2	8.6	14.3		
Utilities Cost ($)	$5,665	$2,549	$1,768	$1,443	$1,262	$4,841	$8,105		
TOTAL PLANT & OFFICE COST	$48,957	$25,721	$15,687	$12,684	$10,770	$34,804	$71,989	$0	$0

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
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GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
I GROUNDWATER SWEEP (Continued)									
B. WELLFIELD									
Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)	3.86	3.86	20	20	20	20	20		
Avg Hp/Pump	1.50	1.50	3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required	51.8	51.8	10.0	10.0	10.0	10.0	10.0		
Avg Connected Hp	77.8	77.8	25	25	25	25	25		
Kwh's/Hp	1.000	1.000	0.830	0.830	0.830	0.830	0.830		
$/Kwh	$0.051	$0.051	$0.0365	$0.0365	$0.0365	$0.0365	$0.0365		
Gallons Per Minute	200	200	200	200	200	200	200		
Gallons Per Hour	12000	12000	12000	12000	12000	12000	12000		
Cost Per Hour ($)	$3.97	$3.97	$0.76	$0.76	$0.76	$0.76	$0.76		
Cost Per Gallon ($)	$0.0003	$0.0003	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001		
Cost Per KGal ($)	0.331	0.331	0.063	0.063	0.063	0.063	0.063		
Repair & Maintenance ($/KGals)	$0.289	$0.289	$0.289	$0.289	$0.289	$0.289	$0.289		
Total Cost Per KGal	$0.620	$0.620	$0.353	$0.353	$0.353	$0.353	$0.353		
TOTAL WELLFIELD COST	$54,426	$24,492	$9,665	$7,887	$6,898	$26,459	$44,298	$0	$0
TOTAL GROUND WATER SWEEP COST	$103,383	$50,212	$25,352	$20,572	$17,668	$61,262	$116,287	$0	$0
II REVERSE OSMOSIS									
A. PLANT & OFFICE									
Operating Assumptions:									
Flowrate (gpm)	300	300	500	500	500	500	500		
PV's Required	3.0	5.0	5.0	5.0	5.0	5.0	5.0		
Total Gallons For Treatment	65874763.47	197624290	137065062	111872613	97842203.3	375285000	628321460.9		
Total KGals for Treatment	65875	197624	137065	111873	97842	375285	628321		
Feed to RO (gpm)	300	300	500	500	500	500	500		
Permeate Flow (gpm)	240	240	375	375	375	375	375		
Brine Flow (gpm)	60	60	125	125	125	125	125		
Average RO Recovery	80.0%	80.0%	75.0%	75.0%	75.0%	75.0%	75.0%		
Cost Assumptions:									
Power									
Avg Connected Hp	120.00	120.00	560.00	560.00	560.00	560.00	560.00		
Kwh's/Hp	1.000	1.000	0.830	0.830	0.830	0.830	0.830		
$/Kwh	$0.051	$0.051	$0.0365	$0.0365	$0.0365	$0.0365	$0.0365		
Gallons Per Minute	300	300	500	500	500	500	500		
Gallons Per Hour	18000	18000	30000	30000	30000	30000	30000		
Cost Per Hour ($)	$6.12	$6.12	$16.97	$16.97	$16.97	$16.97	$16.97		
Cost Per Gallon ($)	$0.00034	$0.00034	$0.00057	$0.00057	$0.00057	$0.00057	$0.00057		
Cost Per KGal ($)	$0.340	$0.340	$0.566	$0.566	$0.566	$0.566	$0.566		
Chemicals									
Caustic Soda ($/KGals)	$0.018	$0.018	$0.018	$0.018	$0.018	$0.018	$0.018		
Antiscalent ($/Kgals)	$0.0947	$0.0947	$0.0947	$0.0947	$0.0947	$0.0947	$0.0947		
Elution ($/Kgals)	$0.099	$0.099	$0.099	$0.099	$0.099	$0.099	$0.099		
Repair & Maintenance ($/KGals)	$0.038	$0.038	$0.038	$0.038	$0.038	$0.038	$0.038		
Sampling & Analysis ($/KGals)	$0.094	$0.048	$0.101	$0.132	$0.102	$0.043	$0.036		
Total Cost Per KGal ($)	$0.684	$0.637	$0.916	$0.947	$0.917	$0.858	$0.851		
Total Pumping Cost ($)	$45,040	$125,919	$125,539	$105,988	$89,752	$321,897	$534,549		
Utilities									
Power ($/Month)	$65	$65	$65	$65	$65	$65	$65		
Propane ($/Month	$500	$500	$500	$500	$500	$500	$500		
Time For Treatment									
Minutes For Treatment	219583	658748	274170	223745	195684	750570	1256643		
Hours For Treatment	3660	10979	4570	3729	3261	12510	20944		
Days For Treatment	152	457	190	155	136	521	873		
Average Days Per Month	30.4	30.4	30.4	30.4	30.4	30.4	30.4		
Months For Treatment	5.0	15.0	6.3	5.1	4.5	17.1	28.7		
Utilities Cost ($)	$2,825	$8,475	$3,560	$2,882	$2,543	$9,662	$16,216		
TOTAL PLANT & OFFICE COST	$47,865	$134,394	$129,098	$108,870	$92,294	$331,559	$550,765	$0	$0

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 1

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
II REVERSE OSMOSIS (Continued)									
B. WELLFIELD									
Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)	3.86	3.86	20.00	20.00	20.00	20.00	20.00		
Avg Hp/Pump	1.50	1.50	3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required	77.7	77.7	25.0	25.0	25.0	25.0	25.0		
Avg Connected Hp	116.6	116.6	75.0	75.0	75.0	75.0	75.0		
Kwh's/Hp	1.000	1.000	0.830	0.830	0.830	0.830	0.830		
$/Kwh	$0.051	$0.051	$0.0365	$0.0365	$0.0365	$0.0365	$0.0365		
Gallons Per Minute	300	300	500	500	500	500	500		
Gallons Per Hour	18000	18000	30000	30000	30000	30000	30000		
Cost Per Hour ($)	$5.95	$5.95	$2.27	$2.27	$2.27	$2.27	$2.27		
Cost Per Gallon ($)	$0.0003	$0.0003	$0.0001	$0.0001	$0.0001	$0.0001	$0.0001		
Cost Per KGal ($)	$0.330	$0.330	$0.076	$0.076	$0.076	$0.076	$0.076		
Repair & Maintenance ($/KGals)	$0.289	$0.289	$0.289	$0.289	$0.289	$0.289	$0.289		
Total Cost Per KGal	$0.619	$0.619	$0.365	$0.365	$0.365	$0.365	$0.365		
TOTAL WELLFIELD COST	$40,797	$122,391	$50,000	$40,804	$35,687	$136,881	$229,172	$0	$0
Add for 1 PV of Hydrogen Sulfide gas reductant $0.863 per Kgal	$18,950	$34,110	$23,661	$19,309	$16,888	$64,774	$108,448		
TOTAL REVERSE OSMOSIS COST	$107,612	$290,895	$202,759	$168,983	$144,869	$533,214	$888,385	$0	$0

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 1

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
III WASTE DISPOSAL WELL									
Operating Assumptions:									
Annual Evaporation Capacity (Gals)			1,917,612	1,917,612	1,917,612	1,917,612	1,917,612		
Avg. Monthly Evap. Capacity (Gals)			159,801	159,801	159,801	159,801	159,801		
Total Disposal Requirement									
RO Brine Total Gallons			34,271,266	27,968,153	24,460,551	93,821,250	157,080,365		
RO Brine Total KGallons			34,271	27,968	24,461	93,821	157,080		
Brine Concentration Factor			60%	60%	60%	60%	60%		
Total Concentrated Brine (Gals)			20,562,759	16,780,892	14,676,330	56,292,750	94,248,219		
Months of RO Operation			6.3	5.1	4.5	17.1	28.7		
Average Monthly Reqm't (Gallons)			3,263,930	3,290,371	3,261,407	3,291,974	3,283,910		
Monthly Balance for DDW (Gals)			3,104,129	3,130,570	3,101,606	3,132,173	3,124,109		
Total WDW Disposal (Gallons)			19,556,013	15,965,907	13,957,226	53,560,153	89,661,930		
Total WDW Disposal (KGals)			19,556	15,966	13,957	53,560	89,662		
Cost Assumptions:									
Power									
Avg Connected Hp			100.00	100.00	100.00	100.00	100.00		
WDW Avg Connected Hp			180.00	180.00	180.00	180.00	180.00		
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830		
$/Kwh			$0.0365	$0.0365	$0.0365	$0.0365	$0.0365		
Gallons Per Minute			150	150	150	150	150		
Gallons Per Hour			9000	9000	9000	9000	9000		
Cost Per Hour ($)			$8.48	$8.48	$8.48	$8.48	$8.48		
Cost Per Gallon ($)			$0.0009	$0.0009	$0.0009	$0.0009	$0.0009		
Cost Per KGal ($)			$0.943	$0.943	$0.943	$0.943	$0.943		
Chemicals ($/Kgals)									
RO Antiscalent ($/Kgals)			$0.190	$0.190	$0.190	$0.190	$0.190		
WDW Antiscalent ($/Kgals)			$0.237	$0.237	$0.237	$0.237	$0.237		
Sulfuric Acid ($/Kgals)			$0.534	$0.534	$0.534	$0.534	$0.534		
Corrosion Inhibitor			$0.000	$0.000	$0.000	$0.000	$0.000		
Algacide			$0.111	$0.111	$0.111	$0.111	$0.111		
Repair & Maint ($/Kgals)			$0.077	$0.077	$0.077	$0.077	$0.077		
Total Cost Per KGal			$2.092	$2.092	$2.092	$2.092	$2.092		
TOTAL WASTE DISPOSAL WELL COST			$40,902	$33,393	$29,192	$112,022	$187,529	$0	$0
IV STABILIZATION MONITORING									
Operating Assumptions:									
Time of Stabilization (mos)	9	9	9	9	9	9	9		
Frequency of Analysis (mos)	3	3	3	3	3	3	3		
Total Sets of Analysis	3	3	3	3	3	3	3		
Cost Assumptions:									
Generator Rental per sample set	$280	$280	$280	$280	$280	$280	$280		
Analytical costs per set	$3,800	$5,400	$4,800	$3,800	$3,000	$5,000	$9,400		
Total Sampling & Analysis Cost ($)	$12,240	$17,040	$15,240	$12,240	$9,840	$15,840	$29,040		
Utilities (Power + Telephone per month)	$565	$565	$565	$565	$565	$565	$565		
Total Utilities Cost ($)	$5,085	$5,085	$5,085	$5,085	$5,085	$5,085	$5,085		
TOTAL STABILIZATION COST	$17,325	$22,125	$20,325	$17,325	$14,925	$20,925	$34,125	$0	$0

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 1

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
V LABOR (Irigaray and Christensen Combined)									
Cost Assumptions	Cost/Hour	Hours/Year	Cost						
Crew:									
1 Supervisor	$25.00	2080	$52,000						
4 Operators	$20.00	2080	$166,400						
2 Maintenance	$20.00	2080	$83,200						
2 Vehicles	$12.00	2080	$49,920						
Cost per Year			$351,520						
Time Required - Years (See Figure 1)	2.6								
TOTAL RESTORATION LABOR COST	$913,952								

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Unit #2 Thru #4	Total Christensen & Irigaray
VI RESTORATION CAPITAL REQUIREMENTS			
I Deep Disposal Well(s)		$0	$0
II Plug and Abandon DDW (2)		$200,000	$200,000
III 500 GPM Reverse Osmosis Unit		$0	$0
Total	$0	$200,000	$200,000

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	TOTAL
SUMMARY:										
I GROUNDWATER SWEEP	$103,383	$50,212	$25,352	$20,572	$17,668	$61,262	$116,287	$0		
II REVERSE OSMOSIS	$107,612	$290,895	$202,759	$168,983	$144,869	$533,214	$868,385	$0		
III WASTE DISPOSAL WELL	$0	$0	$40,902	$33,393	$29,192	$112,022	$187,529	$0		
IV STABILIZATION	$17,325	$22,125	$20,325	$17,325	$14,925	$20,925	$34,125	$0		
SUB TOTAL	$228,319	$363,232	$289,338	$240,273	$206,654	$727,423	$1,226,327	$0		$3,281,565
V LABOR										$913,952
VI CAPITAL										$200,000
TOTAL GROUNDWATER RESTORATION COST										$4,395,517
Credit for Completion of Groundwater Sweep	$103,383	$50,212	$25,352	$20,572	$17,668	$61,262	$116,287	$0		$394,737
GRAND TOTAL										$4,000,780

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 2

PLANT EQUIPMENT REMOVAL AND DISPOSAL	Irigaray							Christensen				
	Maint Area & Laboratory	Main Process Building	Expansion Building	Resin +Sand Filter Media	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Resin + Sand Filter Media	Restoration Extension	Wellfield Modules	Sub Total
Volume (Yds³)	40	200	180	110	40	40		91	197	42	55	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20		20	20	20	20	
Number of Truck Loads	2.0	10.0	9.0	5.5	2.0	2.0		4.55	9.9	2.1	2.8	
I Decontamination Cost												
Decontamination Cost ($/Load)	$435	$435	$435	$435	$435	$435		$435	$435	$435	$435	
Percent Requiring Decontamination	20.0%	100.0%	100.0%	0.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	
Total Cost	$174	$4,350	$3,915	$0	$870	$870	$10,179	$1,979	$0	$914	$1,196	$4,089
II Dismantle and Loading Cost												
Cost Per Truck Load ($)	$650	$650	$650	$650	$650	$650		$650	$650	$650	$650	
Total Cost	$1,300	$6,500	$5,850	$3,575	$1,300	$1,300	$19,625	$2,958	$6,403	$1,365	$1,788	$12,513
III Oversize Charges												
Percent Requiring Permits	40.0%	40.0%	40.0%	0.0%	60.0%	40.0%		40.0%	0.0%	40.0%	0.0%	
Cost Per Truck Load ($)	$326	$326	$326	$326	$326	$326		$326	$326	$326	$326	
Total Cost	$261	$1,304	$1,174	$0	$391	$261	$3,390	$593	$0	$274	$0	$867
IV Transportation & Disposal												
A. Landfill												
Percent To Be Shipped	80.0%	80.0%	80.0%	0.0%	50.0%	80.0%		80.0%	0.0%	80.0%	80.0%	
Distance (Miles)	48	48	48	48	48	48		48	48	48	48	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$198	$991	$892	$0	$124	$198		$451	$0	$208	$272	
Disposal Fee Per Cubic Yard	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00		$12.00	$12.00	$12.00	$12.00	
Disposal Cost ($)	$384	$1,920	$1,728	$0	$240	$384		$874	$0	$403	$528	
Total Cost	$582	$2,911	$2,620	$0	$364	$582		$1,324	$0	$611	$800	
B. Licensed Site												
Percent To Be Shipped	20.0%	20.0%	20.0%	100.0%	50.0%	20.0%		20.0%	100.0%	20.0%	20.0%	
Distance (Miles)	150	150	150	150	150	150		150	150	150	150	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$155	$774	$697	$2,129	$387	$155		$352	$3,812	$163	$213	
Disposal Cost Per Cubic Foot ($)	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00		$11.00	$11.00	$11.00	$11.00	
Quantity Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0		20.0	20.0	20.0	20.0	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540		540	540	540	540	
Disposal Cost	$2,376	$11,880	$10,692	$32,670	$5,940	$2,376		$5,405	$58,509	$2,495	$3,267	
Total Cost Licensed Site	$2,531	$12,654	$11,389	$34,799	$6,327	$2,531		$5,758	$62,321	$2,657	$3,480	
Total Cost Transportation & Disposal	$3,113	$15,565	$14,008	$34,799	$6,691	$3,113	$77,288	$7,082	$62,321	$3,269	$4,280	$76,952
TOTAL COST	$4,848	$27,719	$24,947	$38,374	$9,252	$5,544	$110,683	$12,612	$68,723	$5,821	$7,264	$94,420
TOTAL COST - IRIGARAY AND CHRISTENSEN												$205,103

CO[illegible]ing, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 3

	Irigaray							Christensen						
	Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total
BUILDING DEMOLITION AND DISPOSAL														
Structural Character	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	3 Story Steel/Masonry	1 Story Steel Frame		2 Story Steel Frame	1 Story Pre Fab (22)	1 Story Pre Fab (4)	2 Story Steel Frame	1 Story Pre-Fab	1 Story Steel Frame	
Demolition Volume (Ft^3)	179400	108720	430400	386400	126000	69640		192000	95040	46720	72000	64800	11000	
Cost of Demolition Per Ft^3	$0.1650	$0.1650	$0.1650	$0.1650	$0.1650	$0.1650		$0.1650	$0.1650	$0.1650	$0.1650	$0.1650	$0.1650	
Demolition Cost ($)	$29,601	$17,939	$71,016	$63,756	$20,790	$11,491	$214,592	$31,680	$15,682	$7,709	$11,880	$10,692	$1,815	$79,457
Factor For Gutting	15.0%	10.0%	30.0%	10.0%	20.0%	10.0%		20.0%	0.0%	0.0%	20.0%	10.0%	10.0%	
Cost For Gutting ($)	$4,440	$1,794	$21,305	$6,376	$4,158	$1,149	$39,221	$6,336	$0	$0	$2,376	$1,069	$182	$9,963
Weight (pounds)	158761	96212	380885	341947	111504	61628		169912	66660	28032	63717	38802	9735	
Weight per Truckload	40000	40000	40000	40000	40000	40000		40000	40000	40000	40000	40000	40000	
Number of Truckloads	4.0	2.4	9.5	8.5	2.8	1.5		4.2	1.7	0.7	1.6	1.0	0.2	
Distance to Landfill	48	48	48	48	48	48		48	48	48	48	48	48	
Cost per Mile	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$492	$298	$1,179	$1,059	$345	$191	$3,563	$526	$206	$87	$197	$120	$30	$1,167
Disposal Cost per Truckload (25 CY)	$300.00	$300.00	$300.00	$300.00	$300.00	$300.00		$300.00	$300.00	$300.00	$300.00	$300.00	$300.00	
Disposal Cost	$1,191	$722	$2,857	$2,565	$836	$462	$8,632	$1,274	$500	$210	$478	$291	$73	$2,826
TOTAL COST	$35,723	$20,752	$96,357	$73,755	$26,129	$13,293	$266,009	$39,816	$16,388	$8,006	$14,931	$12,172	$2,100	$93,413
TOTAL COST IRIGARAY AND CHRISTENSEN														$359,423
CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL														
Area (Ft^2)	8020	7100	17600	18400	5600	3600		9600	0	1440	3600	0	1000	
Average Thickness (Ft)	0.5	0.5	0.5	0.5	1	0.5		0.5	0.0	0.5	0.5	0.0	0.5	
Volume (Ft^3)	4010	3550	8800	9200	5600	1800		4800	0	720	1800	0	500	
Percent Requiring Decontamination	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Percent Decontaminated	0.0%	0.0%	75.0%	75.0%	40.0%	75.0%		75.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Decontamination ($/$Ft^2$)	$0.134	$0.134	$0.134	$0.134	$0.134	$0.134		$0.134	$0.134	$0.134	$0.134	$0.134	$0.134	
Decontamination Cost	$0	$0	$1,769	$1,849	$300	$362	$4,280	$965	$0	$193	$482	$0	$0	$1,640
Demolition ($/$Ft^2$)	$3.05	$3.05	$3.05	$3.05	$3.05	$3.05		$3.05	$3.05	$3.05	$3.05	$3.05	$3.05	
Demolition Cost	$24,461	$21,655	$53,680	$56,120	$17,080	$10,980	$183,976	$29,280	$0	$4,392	$10,980	$0	$3,050	$47,702
Transportation & Disposal														
A. Onsite Disposal														
Percent to be Disposed Onsite	100%	100%	90%	90%	40%	90%		90%	0%	100%	100%	0%	100%	
Transportation Cost	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	
Disposal Cost per Cubic Foot	$0.230	$0.230	$0.230	$0.230	$0.230	$0.230		$0.230	$0.230	$0.230	$0.230	$0.230	$0.230	
Disposal Cost ($)	$922	$817	$1,822	$1,904	$515	$373	$6,353	$994	$0	$166	$414	$0	$115	$1,688
B. Licensed Site														
Percent to be Shipped	0%	0%	10%	10%	60%	10%		10%	100%	0%	0%	100%	0%	
Distance (Miles)	150	150	150	150	150	150		150	150	150	150	150	150	
Cost per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$0	$0	$631	$659	$2,408	$129	$3,827	$344	$0	$0	$0	$0	$0	$344
Disposal Cost per Cubic Foot	$3.70	$3.70	$3.70	$3.70	$3.70	$3.70		$3.70	$3.70	$3.70	$3.70	$3.70	$3.70	
Quantity Per Truck Load (Yds^3)	20	20	20	20	20	20		20	20	20	20	20	20	
Quantity Per Truck Load (Ft^3)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost ($)	$0	$0	$3,256	$3,404	$12,432	$666	$19,758	$1,776	$0	$0	$0	$0	$0	$1,776
TOTAL COST	$25,383	$22,472	$61,157	$63,937	$32,735	$12,509	$218,194	$33,358	$0	$4,751	$11,876	$0	$3,165	$53,150
TOTAL COST IRIGARAY AND CHRISTENSEN														$271,344

CO[illegible]ing, Inc.
Resto[illegible] and Reclamation Costs
Wyoming Operations
WORKSHEET 3

		Irigaray							Christensen						
		Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total
SOIL REMOVAL & DISPOSAL															
Assume removal of 3" of Contaminated Soil under Primary Areas, Disposal at a Licensed facility.															
Removal with Loader ($75/hr)	$75	$0	$0	$1,222	$1,278	$389	$250	$3,139	$667	$0	$0	$0	$0	$0	$667
Quantity to be Shipped (Ft³)		0	0	4400	4600	1400	900		2400	0	0	0	0	0	
Distance (Miles)		150	150	150	150	150	150		150	150	150	150	150	150	
Cost Per Mile ($)		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)		$0	$0	$3,153	$3,297	$1,003	$645	$8,098	$1,720	$0	$0	$0	$0	$0	$1,720
Disposal fee Per Cubic Foot($)		$3.70	$3.70	$3.70	$3.70	$3.70	$3.70		$3.70	$3.70	$3.70	$3.70	$3.70	$3.70	
Quantity per Truckload (Ft³)		540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost ($)		$0	$0	$16,280	$17,020	$5,180	$3,330	$41,810	$8,880	$0	$0	$0	$0	$0	$8,880
Removal, NPDES Pts.															
Quantity to be Shipped (Ft³)				559					5,030						
Distance (Miles)		150	150	150	150	150	150		150	150	150	150	150	150	
Cost Per Mile ($)		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)		$0	$0	$401	$0	$0	$0	$401	$3,605	$0	$0	$0	$0	$0	$3,605
Disposal fee Per Cubic Foot($)		$3.70	$3.70	$3.70	$3.70	$3.70	$3.70		$3.70	$3.70	$3.70	$3.70	$3.70	$3.70	
Quantity per Truckload (Ft³)		540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost ($)		$0	$0	$2,068	$0	$0	$0	$2,068	$18,611	$0	$0	$0	$0	$0	$18,611
Total Cost		$0	$0	$23,124	$21,594	$6,572	$4,225	$55,516	$33,483	$0	$0	$0	$0	$0	$33,483
TOTAL COST		$0	$0	$23,124	$21,594	$6,572	$4,225	$55,516	$33,483	$0	$0	$0	$0	$0	$33,483
TOTAL COST IRIGARAY AND CHRISTENSEN															$88,999
RADIATION SURVEY															
Area required (acres)		0.18	0.16	0.40	0.42	0.13	0.08		0.22	0.00	0.03	0.08	0.00	0.02	
Survey Cost ($/acre)		$580.00	$580.00	$580.00	$580.00	$580.00	$580.00		$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	
TOTAL SURVEY COST ($)		$107	$95	$234	$245	$75	$48	$804	$128	$0	$19	$48	$0	$13	$208
TOTAL COST		$61,214	$43,319	$180,872	$159,531	$65,512	$30,075	$540,522	$106,786	$16,388	$12,775	$26,856	$12,172	$5,278	$180,255
TOTAL COST IRIGARAY AND CHRISTENSEN															$720,777

COGEMA Mining
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 4

POND RECLAMATION COST	Irigaray							517				Christensen					
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Pond 1	Pond 2A	Pond 2B	Pond 3	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond	
POND SLUDGE:																	
Average Sludge Depth (Ft)	0.188	0.156	0.123	0.135	0.227	0.188	0.156					0.166	0.222	0.143	0.068	0.000	
Average Area of Sludge (Ft²)	50,845	50,604	62,291	62,291	29,583	50,845	50,604					20,909	20,909	20,909	20,909	-	
Volume of Sludge (Ft³)	9,583	7,907	7,683	8,435	6,729	9,583	7,907					3,466	4,651	2,983	1,414	-	
Volume of Sludge (Yds³)	355	293	285	312	249	355	293	0	0	0	0	128	172	110	52	0	
Volume of Sludge Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
# of Truck Loads of Sludge	17.8	14.7	14.3	15.6	12.5	17.8	14.7	0.0	0.0	0.0	0.0	6.4	8.6	5.5	2.6	0.0	
Sludge Handling Cost Per Load ($)	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	$240.00	
Total Sludge Handling Cost ($)	$4,272	$3,528	$3,432	$3,744	$3,000	$4,272	$3,528	$0	$0	$0	$0	$1,536	$2,064	$1,320	$624	$0	
Transportation & Disposal																	
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Distance (Miles)	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)	$6,889	$5,689	$5,534	$6,037	$4,638	$6,889	$5,689	$0	$0	$0	$0	$2,477	$3,328	$2,129	$1,006	$0	
Disposal Cost Per Cubic Foot ($)	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	
Quantity Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	
Disposal Cost ($)	$105,732	$87,318	$84,942	$92,664	$74,250	$105,732	$87,318	$0	$0	$0	$0	$38,016	$51,084	$32,670	$15,444	$0	
Total Transportation & Disposal ($)	$112,621	$93,007	$90,476	$98,701	$79,088	$112,621	$93,007	$0	$0	$0	$0	$40,493	$54,412	$34,799	$16,450	$0	
TOTAL SLUDGE COST ($)	$116,893	$96,535	$93,908	$102,445	$82,088	$116,893	$96,535	$0	$0	$0	$0	$42,029	$56,476	$36,119	$17,074	$0	$856,995
POND LINER:																	
Total Pond Area (Acres)	1.75	1.72	1.75	1.72	0.78	2.17	2.17					1.10	1.10	1.10	1.10	0.00	
Total Pond Area (Ft²)	76230	74923.2	76230	74923.2	33976.8	94525.2	94525.2	0	0	0	0	47916	47916	47916	47916	0	
Factor For Sloping Sides	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	0.0%	
Total Liner Area (Ft²)	91476	89908	91476	89908	40772	113430	113430	0	0	0	0	57499	57499	57499	57499	0	
Liner Thickness (Millimeters)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	
Liner Thickness (Inches)	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0	
Liner Thickness (Ft)	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0	
"Swell" Factor	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	0.0%	
Liner Volume (Ft³)	1121	1101	1121	1101	499	1390	1390	0	0	0	0	704	704	704	704	0	
Truck Loads of Liner	2.1	2.0	2.1	2.0	0.9	2.6	2.6	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	0.0	
Liner Handling Cost ($)																	
Labor Crew Cost per Hour ($)	$90	$90	$90	$90	$90	$90	$90	$90	$90	$90	$90	$90	$90	$90	$90	$0	
Hours per Load	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	
Liner Handling Cost Per Load ($)	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$0.00	
Total Liner Handling Cost ($)	$378	$360	$378	$360	$162	$468	$468	$0	$0	$0	$0	$234	$234	$234	$234	$0	
Transportation & Disposal																	
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Distance (Miles)	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)	$813	$774	$813	$774	$348	$1,006	$1,006	$0	$0	$0	$0	$503	$503	$503	$503	$0	
Disposal Cost Per Cubic Foot ($)	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	
Disposal Cost ($)	$12,474	$11,880	$12,474	$11,880	$5,346	$15,444	$15,444	$0	$0	$0	$0	$7,722	$7,722	$7,722	$7,722	$0	
Total Transportation & Disposal ($)	$13,287	$12,654	$13,287	$12,654	$5,694	$16,450	$16,450	$0	$0	$0	$0	$8,225	$8,225	$8,225	$8,225	$0	
TOTAL LINER COST ($)	$13,665	$13,014	$13,665	$13,014	$5,856	$16,918	$16,918	$0	$0	$0	$0	$8,459	$8,459	$8,459	$8,459	$0	$126,887
POND BACKFILL:																	
Backfill required (Yds³)	8740	8580	8740	8580	2517	14617	16319	2345	1837	1537	163	9048	9048	9048	9048	18070	
Backfill Cost ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
TOTAL BACKFILL COST ($)	$8,740	$8,580	$8,740	$8,580	$2,517	$14,617	$16,319	$2,345	$1,837	$1,537	$163	$9,048	$9,048	$9,048	$9,048	$18,070	$128,237

COGEMA Mining
Restoration and R... ...ion Costs
Wyoming Operations
WORKSHEET 4

POND RECLAMATION COST	Irigaray							517				Christensen					
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Pond 1	Pond 2A	Pond 2B	Pond 3	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond	
RADIATION SURVEY																	
Areal required (acres)	1.75	1.72	1.75	1.72	0.78	2.17	2.17	0.00	0.00	0.00	0.00	1.10	1.10	1.10	1.10	0	
Survey Cost ($/acre)	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	$1.00	
TOTAL SURVEY COST ($)	$1,015	$998	$1,015	$998	$452	$1,259	$1,259	$0	$0	$0	$0	$638	$638	$638	$638	$0	$9,548
LEAK DETECTION SYSTEM REMOVAL																	
Volume of Gravel and Piping (Ft^3) (Assume 3")			14337	13851				0									
Quantity per Truckload (Ft^3)			540	540				540									
Quantity to be Shipped (Loads)			26.6	25.7				0.0									
Distance (Miles)			150	150				150									
Cost per Mile ($)			$2.58	$2.58				$2.58									
Transportation Cost ($)			$10,275	$9,927				$0									
Handling Cost per load			$6,372	$6,156				$0									
Disposal Fee per Cubic Foot ($)			$3.70	$3.70				$3.70									
Disposal Cost ($)			$53,047	$51,249				$0									
TOTAL LEAK DETECTION SYSTEM REMOVAL	$0	$0	$69,694	$67,331	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$137,025
TOTAL POND RECLAMATION COST	$140,313	$119,127	$187,021	$192,368	$90,913	$149,687	$131,031	$2,345	$1,837	$1,537	$163	$60,174	$74,621	$54,264	$35,219	$18,070	$1,258,692

SUMMARY - IRIGARAY:

TOTAL SLUDGE COST ($)	$705,297
TOTAL LINER COST ($)	$93,050
TOTAL BACKFILL COST ($)	$73,975
TOTAL RADIATION SURVEY COST ($)	$6,996
LEAK DETECTION SYSTEM REMOVAL	$137,025
TOTAL POND RECLAMATION COST	$1,016,343

SUMMARY - CHRISTENSEN:

TOTAL SLUDGE COST ($)	$151,696
TOTAL LINER COST ($)	$33,836
TOTAL BACKFILL COST ($)	$54,262
TOTAL RADIATION SURVEY COST ($)	$2,552
LEAK DETECTION SYSTEM REMOVAL	$0
TOTAL POND RECLAMATION COST	$242,348
TOTAL PROJECT COST - CR and IR ($)	$1,258,692

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 5

WELL PLUGGING AND ABANDONMENT

	Irigaray				Christensen			
	Mine Units #1 Thru #9	5I7 USMT Test Sites	Monitor/ Trend	Sub Total	Mine Units #2 Thru #7	Monitor/ Trend	Misc. Regional	Sub Total
Number of Wells	1064	11	314	1389	2062	327	137	2526
Average Depth	250	250	250		410	410	410	
Average Diameter	4.5	4.5	4.5		4.5	4.5	4.5	
Materials								
Bentonite Chips Required (Ft^3/Well)	11.4	11.4	11.4		11.4	11.4	11.4	
Bags of Chips Required/Well	15.0	15.0	15.0		15.0	15.0	15.0	
Cost Per Bag ($)	$4.50	$4.50	$4.50		$4.50	$4.50	$4.50	
Cost/Well Bentonite Chips ($)	$67.50	$67.50	$67.50		$67.50	$67.50	$67.50	
Gravel Fill Required (Ft^3/Well)	15.7	15.7	15.7		33.6	33.6	33.6	
Gravel Fill Required (Yd^3/Well)	0.58	0.58	0.58		1.24	1.24	1.24	
Cost of Gravel/Yd^3 ($)	$20.00	$20.00	$20.00		$20.00	$20.00	$20.00	
Cost/Well Gravel Fill ($)	$11.63	$11.63	$11.63		$24.89	$24.89	$24.89	
Cement Cone/Markers Req'd/Well	1.0	1.0	1.0		1.0	1.0	1.0	
Cost of Cement Cones/Markers ($)	$4.00	$4.00	$4.00		$4.00	$4.00	$4.00	
Total Materials Cost per Well	$83.13	$83.13	$83.13		$96.39	$96.39	$96.39	
Labor								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Labor Cost per Hour	$60.00	$60.00	$60.00		$60.00	$60.00	$60.00	
Total Labor Cost per Well ($)	$60.00	$60.00	$60.00		$60.00	$60.00	$60.00	
Equipment Rental								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Backhoe w/Operator Cost/Hr ($)	$38.50	$38.50	$38.50		$38.50	$38.50	$38.50	
Total Equipment Cost per Well ($)	$38.50	$38.50	$38.50		$38.50	$38.50	$38.50	
Total Cost per Well ($)	$181.63	$181.63	$181.63		$194.89	$194.89	$194.89	
TOTAL WELL ABANDONMENT COST ($)	$193,254	$1,996	$57,032	$252,284	$401,861	$63,729	$26,700	$492,289

GRAND TOTAL IRIGARAY AND CHRISTENSEN	$744,573

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 6

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
I Wellfield Piping							
A. Removal							
Length/Well (Ft)	100	300	300	300			
Total Number of Wells	1064	1021	494	446			
Total Quantity (Ft)	106400	306300	148200	133800			
Cost of Removal ($/Ft)	$0.202	$0.202	$0.202	$0.202			
Cost of Removal ($)	$21,493	$61,873	$29,936	$27,028			$140,329
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft^3/Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft^3)	1,702	4,901	2,371	2,141			
Quantity Per Truck Load (Ft^3)	540	540	540	540			
Total Number of Truck Loads	3.2	9.1	4.4	4.0			
B. Survey & Decontamination							
Percent Requiring Decontamination	0%	0%	0%	0%			
Loads for Decontamination	0.0	0.0	0.0	0.0			
Cost for Decontamination ($/Load)	$435.00	$435.00	$435.00	$435.00			
Cost for Decontamination ($)	$0	$0	$0	$0			$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%			
Loads To Be Shipped	0.0	0.0	0.0	0.0			
Distance (Miles)	48	48	48	48			
Transportation Cost ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$0	$0	$0	$0			$0
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00			
Yds^3 Per Load	20	20	20	20			
Disposal Cost ($)	$0	$0	$0	$0			
Total Cost - Landfill	$0	$0	$0	$0			$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%			
Loads To Be Shipped	3.2	9.1	4.4	4.0			
Distance (Miles)	150	150	150	150			
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$1,238	$3,522	$1,703	$1,548			$8,011
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00			
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00			
Quantity Per Truck Load (Yds^3)	20	20	20	20			
Disposal Cost ($)	$19,008	$54,054	$26,136	$23,760			$122,958
Total Cost - Licensed Site	$20,246	$57,576	$27,839	$25,308			$130,969
Total Cost - Transport & Disposal	$20,246	$57,576	$27,839	$25,308			$130,969
Total Cost - WF Piping Removal & Disposal	$41,739	$119,448	$57,775	$52,336	$0	$0	$271,298

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 6

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
II Production Well Pumps							
A. Pump and Tubing Removal							
Number of Production Wells	424	443	217	202			
Cost of Removal ($/well)	$22.50	$22.50	$22.50	$22.50			
Cost of Removal ($)	$9,540	$9,968	$4,883	$4,545			$28,935
Number of Pumps Per Truck Load	180	180	180	180			
Number of Truck Loads (Pumps)	2.4	2.5	1.2	1.1			
B. Survey & Decontamination (Pumps)							
Percent Requiring Decontamination	50.0%	50.0%	50.0%	50.0%			
Loads for Decontamination	1.2	1.3	0.6	0.6			
Cost for Decontamination ($/Load)	$435.00	$435.00	$435.00	$435.00			
Cost for Decontamination ($)	$522	$566	$261	$261			$1,610
C. Tubing Volume Reduction & Loading							
Length per Well (Ft)	100	300	300	450			
Total Quantity (Ft)	42,400	132,900	65,100	90,900			
Cost of Removal ($/Ft)	$0.025	$0.025	$0.025	$0.025			
Cost of Removal ($)	$1,060	$3,323	$1,628	$2,273			$8,283
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft^3/Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft^3)	678	2,126	1,042	1,454			
Quantity per Truckload (Ft^3)	540	540	540	540			
Number of Truck Loads	1.3	3.9	1.9	2.7			
D. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%			
Loads To Be Shipped	1.2	1.3	0.6	0.6			
Distance (Miles)	48	48	48	48			
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$149	$161	$74	$74			$458
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00			
Yds^3 Per Load	20	20	20	20			
Disposal Cost ($)	$288	$312	$144	$144			$888
Total Cost - Landfill	$437	$473	$218	$218			$1,346
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%			
Percent To Be Shipped (Tubing)	100.0%	100.0%	100.0%	100.0%			
Loads To Be Shipped	2.5	5.2	2.5	3.2			
Distance (Miles)	150	150	150	150			
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$951	$2,008	$979	$1,255			$5,192
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00			
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00			
Quantity Per Truck Load (Yds^3)	20	20	20	20			
Disposal Cost ($)	$14,590	$30,815	$15,022	$19,265			$79,693
Total Cost - Licensed Site	$15,541	$32,823	$16,000	$20,521			$84,885
Total Cost - Transport & Disposal	$15,978	$33,296	$16,219	$20,739			$86,231
Total Cost - Pump Removal & Disposal	$27,100	$47,152	$22,990	$27,817	$0	$0	$125,058

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
III Surface Trunkline Piping							
A. Removal							
Total Quantity (Ft)	44700	0	0	0	0	0	
Cost of Removal ($/Ft)	$0.146	$0.146	$0.146	$0.146	$0.146	$0.146	
Cost of Removal ($)	$6,526	$0	$0	$0	$0	$0	$6,526
Average OD (Inches)	8.750	8.750	0.000	0.000	0.000	0.000	
Chipped Volume Reduction (Ft^3/Ft)	0.088	0.088	0.088	0.088	0.088	0.088	
Chipped Volume (Ft^3)	3934	0	0	0	0	0	
Quantity Per Truck Load (Ft^3)	540	540	540	540	0	0	
Total Number of Truck Loads	7.3	0.0	0.0	0.0	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination ($/Load)	$435.00	$435.00	$435.00	$435.00	$0.00	$0.00	
Cost for Decontamination ($)	$0	$0	$0	$0	$0	$0	$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	48	48	48	48	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$0	$0	$0	$0	$0	$0	$0
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00	$0.00	$0.00	
Yds^3 Per Load	20	20	20	20	0	0	
Disposal Cost ($)	$0	$0	$0	$0	$0	$0	$0
Total Cost - Landfill	$0	$0	$0	$0	$0	$0	$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	7.3	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	150	150	150	150	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$2,819	$0	$0	$0	$0	$0	$2,819
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00	$0.00	$0.00	
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00	$0.00	$0.00	
Quantity Per Truck Load (Yds^3)	20	20	20	20	0	0	
Disposal Cost ($)	$43,270	$0	$0	$0	$0	$0	$43,270
Total Cost - Licensed Site	$46,089	$0	$0	$0	$0	$0	$46,089
Total Cost - Transport & Disposal	$46,089	$0	$0	$0	$0	$0	$46,089
Total Cost - Surface Trunkline Removal & Disposal	$52,615	$0	$0	$0	$0	$0	$52,615

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
IV Buried Trunkline							
A. Removal							
Total Quantity (Ft)	7300	11565	24500	47000	0	0	
Cost of Removal ($/Ft)	$3.12	$3.12	$3.12	$3.12	$3.12	$3.12	
Cost of Removal ($)	$22,776	$36,083	$76,440	$146,640	$0	$0	$281,939
Average OD (Inches)	8.750	8.750	8.750	12.000	12.000	12.000	
Chipped Volume Reduction (Ft^3/Ft)	0.088	0.088	0.088	0.130	0.130	0.130	
Chipped Volume (Ft^3)	642	1018	2156	6110	0	0	
Quantity Per Truck Load (Ft^3)	540	540	540	540	0	0	
Number of Truck Loads	1.2	1.9	4.0	11.3	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination. ($/Load)	$435.00	$435.00	$435.00	$435.00	$0.00	$0.00	
Cost for Decontamination. ($)	$0	$0	$0	$0	$0	$0	$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	48	48	48	48	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$0	$0	$0	$0	$0	$0	$0
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00	$0.00	$0.00	
Yds^3 Per Load	20	20	20	20	0	0	
Disposal Cost ($)	$0	$0	$0	$0	$0	$0	$0
Total Cost - Landfill	$0	$0	$0	$0	$0	$0	$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	1.2	1.9	4.0	11.3	0.0	0.0	
Distance (Miles)	150	150	150	150	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$464	$735	$1,548	$4,373	$0	$0	$7,121
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00	$0.00	$0.00	
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00	$0.00	$0.00	
Quantity Per Truck Load (Yds^3)	20	20	20	20	0	0	
Disposal Cost ($)	$7,128	$11,286	$23,760	$67,122	$0	$0	$109,296
Total Cost - Licensed Site	$7,592	$12,021	$25,308	$71,495	$0	$0	$116,417
Total Cost - Transport & Disposal	$7,592	$12,021	$25,308	$71,495	$0	$0	$116,417
Total Cost - Buried Trunkline Removal & Disposal	$30,368	$48,104	$101,748	$218,135	$0	$0	$398,356

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 6

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
V Manholes							
A. Removal							
Total Quantity	5	8	5	11	0	0	
Cost of Removal ($ Each)	$117.00	$117.00	$117.00	$117.00	$117.00	$117.00	
Cost of Removal ($)	$585	$936	$585	$1,287	$0	$0	$3,393
Quantity Per Truck Load	10	10	10	10	10	10	
Number of Truck Loads	0.5	0.8	0.5	1.1	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination ($/Load)	$435.00	$435.00	$435.00	$435.00	$0.00	$0.00	
Cost for Decontamination ($)	$0	$0	$0	$0	$0	$0	$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	48	48	48	48	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$0	$0	$0	$0	$0	$0	$0
b. Disposal							
Disposal Fee Per Yd³ ($)	$12.00	$12.00	$12.00	$12.00	$0.00	$0.00	
Yds³ Per Load	20	20	20	20	0	0	
Disposal Cost ($)	$0	$0	$0	$0	$0	$0	$0
Total Cost - Landfill	$0	$0	$0	$0	$0	$0	$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	150	150	150	150	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$0	$0	$0	$0	$0	$0	$0
b. Disposal							
Disposal Cost Per Ft³	$11.00	$11.00	$11.00	$11.00	$0.00	$0.00	
Disposal Fee Per Yd³	$297.00	$297.00	$297.00	$297.00	$0.00	$0.00	
Quantity Per Truck Load (Yds³)	20	20	20	20	0	0	
Disposal Cost ($)	$0	$0	$0	$0	$0	$0	$0
Total Cost - Licensed Site	$0	$0	$0	$0	$0	$0	$0
Total Cost - Transport & Disposal	$0	$0	$0	$0	$0	$0	$0
Total Cost Manhole Removal & Disposal	$585	$936	$585	$1,287	$0	$0	$3,393
TOTAL COST - WELLFIELD EQUIP REMOVAL & DISP	$152,407	$215,640	$183,098	$299,575	$0	$0	$850,720

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 7

TOPSOIL REPLACEMENT & REVEGETATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
I Process Plant and Office Building							
A. Topsoil Handling & Grading							
Affected Area (Acres)	5.0	2.5	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12.0	12.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	8067	4033	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$8,067	$4,033	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$38.45	$38.45	$38.45	$38.45	$38.45	$38.45	
Grading Cost ($)	$192	$96	$0	$0	$0	$0	
Sub Total - Topsoil	$8,259	$4,129	$0	$0	$0	$0	$12,388
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	
Sub Total - Survey & Analysis	$2,900	$1,450	$0	$0	$0	$0	$4,350
C. Revegetation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$168.68	$168.68	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$276.54	$276.54	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$491.71	$491.71	
Sub Total - Revegation	$2,459	$1,229	$0	$0	$0	$0	$3,688
Sub Total - Process Plant and Office Bldg.	$13,617	$6,809	$0	$0	$0	$0	$20,426
II Ponds							
A. Topsoil Handling & Grading							
Affected Area (Acres)	20.0	12.0	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12	12	0	0	0	0	
Topsoil Volume (Yds³)	32267	19360	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$32,267	$19,360	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$38.45	$38.45	$38.45	$38.45	$38.45	$38.45	
Grading Cost ($)	$769	$461	$0	$0	$0	$0	
Sub Total - Topsoil	$33,036	$19,821	$0	$0	$0	$0	$52,857
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$580.00	$580.00	$580.00	$580.00	$580.00	$580.00	
Sub Total - Survey & Analysis	$11,600	$6,960	$0	$0	$0	$0	$18,560
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$168.68	$168.68	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$276.54	$276.54	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$491.71	$491.71	
Sub Total - Revegation	$9,834	$5,901	$0	$0	$0	$0	$15,735
Sub Total - Ponds	$54,470	$32,682	$0	$0	$0	$0	$71,362

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 7

TOPSOIL REPLACEMENT & REVEGETATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
III Wellfields							
A. Topsoil Handling & Grading							
Affected Area (Acres)	40.0	55.0	30.0	50.0	35.0	40.0	
Average Affected Thickness (Ins)	3.5	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	18822	0	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$18,822	$0	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$38.45	$38.45	$38.45	$38.45	$38.45	$0.00	
Grading Cost ($)	$1,538	$2,115	$1,154	$1,923	$1,346	$0	
Sub Total - Topsoil	$20,360	$2,115	$1,154	$1,923	$1,346	$0	$26,897
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$580.00	$580.00	$580.00	$580.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$23,200	$31,900	$17,400	$29,000	$0	$0	$101,500
C: Spill Cleanup							
Affected Area (Acres)	0.054	0.036	0	0	0	0	
Affected Area (ft²)	2,352	1,568	0	0	0	0	
Average Affected Thickness (ft)	0.25	0.25	0	0	0	0	
Affected Volume (ft³)	588	392	0	0	0	0	
Quantity per Truckload (ft³)	540	540	540	540	540	540	
Quantity to be Shipped (Loads)	1.1	0.7	0.0	0.0	0.0	0.0	
Distance (Miles)	150	150	150	150	150	150	
Cost per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)	$421	$281	$0	$0	$0	$0	
Handling Cost ($240/load)	$261	$174	$0	$0	$0	$0	
Disposal Fee per Cubic Foot ($)	$3.70	$3.70	$3.70	$3.70	$3.70	$3.70	
Disposal Cost ($)	$2,176	$1,450	$0	$0	$0	$0	
Sub Total - Spill Cleanup	$2,597	$1,731	$0	$0	$0	$0	$4,328
D. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$168.68	$168.68	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$276.54	$276.54	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$491.71	$491.71	
Sub Total - Revegation	$19,668	$27,044	$14,751	$24,586	$17,210	$19,668	$122,928
Sub Total - Wellfields ($)	$65,826	$62,790	$33,305	$55,508	$18,556	$19,668	$255,653
IV Roads							
A. Topsoil Handling & Grading							
Affected Area (Acres)	25.0	20.0	15.0	21.0	0.0	0.0	
Average Affected Thickness (Ins)	12	12	12	12	12	12	
Topsoil Volume (Yds³)	40333	32267	24200	33880	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$40,333	$32,267	$24,200	$33,880	$0	$0	
Unit Cost - Grading ($/Ac)	$38.45	$38.45	$38.45	$38.45	$38.45	$38.45	
Grading Cost ($)	$961	$769	$577	$807	$0	$0	
Sub Total - Topsoil	$41,295	$33,036	$24,777	$34,687	$0	$0	$133,794
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$580.00	$580.00	$580.00	$580.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$14,500	$11,600	$8,700	$12,180	$0	$0	$46,980
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49			
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68			
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54			
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71			
Sub Total - Revegation	$12,293	$9,834	$7,378	$10,326	$0	$0	$39,829
Sub Total - Roads ($)	$68,087	$54,470	$40,852	$57,193	$0	$0	$220,603

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TOPSOIL REPLACEMENT & REVEGETATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
V Other							
A. Topsoil Handling & Grading							
Affected Area (Acres)	41.0	19.0	5.0	5.0	0.0	0.0	
Average Affected Thickness (Ins)	0.0	0.0	0	0	0	0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$0	$0	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$38.45	$38.45	$38.45	$38.45	$38.45	$0.00	
Grading Cost ($)	$1,576	$731	$192	$192	$0	$0	
Sub Total - Topsoil	$1,576	$731	$192	$192	$0	$0	$2,692
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$580.00	$580.00	$580.00	$580.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$23,780	$11,020	$2,900	$2,900	$0	$0	$40,600
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$0.00	$0.00	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$0.00	$0.00	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$0.00	$0.00	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$0.00	$0.00	
Sub Total - Revegation	$20,160	$9,342	$2,459	$2,459	$0	$0	$34,420
Sub Total - Other	$45,517	$21,093	$5,551	$5,551	$0	$0	$77,711
VI Remedial Action							
A. Topsoil Handling & Grading							
Affected Area (Acres)	65.5	54.3	25.0	38.0	17.5	20.0	
Average Affected Thickness (Ins)	0.0	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
Topsoil Handling Cost ($)	$0	$0	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
Grading Cost ($)	$0	$0	$0	$0	$0	$0	
Sub Total - Topsoil	$0	$0	$0	$0	$0	$0	$0
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$0	$0	$0	$0	$0	$0	$0
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$0.00	$0.00	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$0.00	$0.00	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$46.49	$46.49	
Sub Total - Revegation	$32,207	$26,675	$12,293	$18,685	$814	$930	$91,603
Sub Total - Remedial Action	$32,207	$26,675	$12,293	$18,685	$814	$930	$91,603
TOTAL COST - TOPSOIL & REVEGETATION	$279,724	$204,519	$92,001	$136,937	$19,369	$20,598	$753,148

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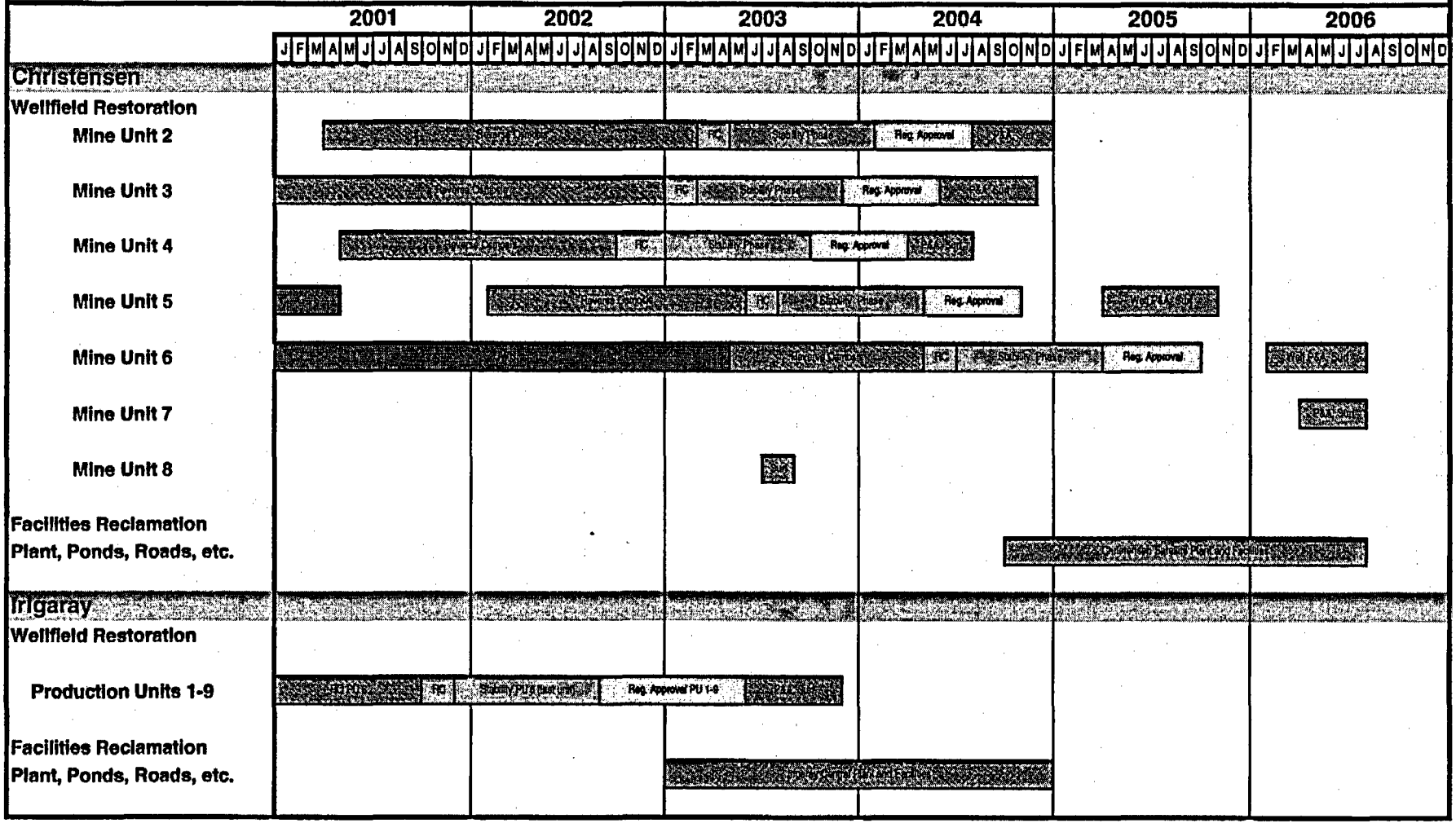
Wyoming Operations
WORKSHEET 8

	MISCELLANEOUS RECLAMATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
I	Fence Removal & Disposal							
	Quantity (Feet)	15240	35260	20000	9000	0	0	
	Cost of Removal/Disposal ($/Ft)	$0.68	$0.68	$0.68	$0.68	$0.68	$0.68	
	Cost of Removal/Disposal ($)	$10,363	$23,977	$13,600	$6,120	$0	$0	$54,060
II	Powerline Removal & Disposal							
	Quantity (Feet)	9450	10565	18000	18000	0	0	
	Cost of Removal/Disposal ($/Ft)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
	Cost of Removal/Disposal ($)	$0	$0	$0	$0	$0	$0	$0
III	Powerpole Removal & Disposal							
	Quantity	25	30	60	60	0	0	
	Cost of Removal/Disposal ($/Each)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
	Cost of Removal/Disposal ($)	$0	$0	$0	$0	$0	$0	$0
IV	Transformer Removal & Disposal							
	Quantity	3	1	0	18	0	0	
	Cost of Removal/Disposal ($/Each)	$2,500	$2,500	$2,500	$600	$600	$600	
	Cost of Removal/Disposal ($)	$7,500	$2,500	$0	$10,800	$0	$0	$20,800
V	Booster Pump Assembly Removal & Disposal							
	Quantity	0	6	5	5	0	0	
	Cost of Removal/Disposal ($/Each)	$300	$300	$300	$300	$300	$300	
	Cost of Removal/Disposal ($)	$0	$1,800	$1,500	$1,500	$0	$0	$4,800
VI	Culvert Removal & Disposal							
	Quantity (Feet)	150	1200	1000	1000	0	0	
	Cost of Removal/Disposal ($/Ft)	$3.48	$3.48	$3.48	$3.48	$3.48	$3.48	
	Cost of Removal/Disposal ($)	$522	$4,176	$3,480	$3,480	$0	$0	$11,658
VII	Guardrail Removal							
	Quantity (Feet)	200	3000	0	0	0	0	
	Cost of Removal/Disposal ($/Ft)	$6.30	$6.30	$6.30	$6.30	$6.30	$6.30	
	Cost of Removal/Disposal ($)	$1,260	$18,900	$0	$0	$0	$0	$20,160
VIII	Low Water Stream Crossing							
	Quantity	0	1	1	0	0	0	
	Cost of Removal/Disposal ($/Each)	$8,500	$8,500	$8,500	$8,500	$8,500	$8,500	
	Cost of Removal/Disposal ($)	$0	$8,500	$8,500	$0	$0	$0	$17,000
IX	Utilities Cost							
	Quantity (Mos)	4	8	4	4	0	0	
	Cost Per Month ($/Month)	$65	$65	$65	$65	$65	$65	
	Total Cost ($)	$260	$520	$260	$260	$0	$0	$1,300
	TOTAL MISCELLANEOUS COST	$19,905	$60,373	$27,340	$22,160	$0	$0	$129,778

Figure 1


2001
2002
2003
2004
2005
2006
J F M A M J J A S O N D
Christensen
Wellfield Restoration
Mine Unit 2
Mine Unit 3
Mine Unit 4
Mine Unit 5
Mine Unit 6
Mine Unit 7
Mine Unit 8
Facilities Reclamation
Plant, Ponds, Roads, etc.
Irigaray
Wellfield Restoration
Production Units 1-9
Facilities Reclamation
Plant, Ponds, Roads, etc.
FC
Reg. Approval
Reg. Approval PU 1-9

Reclamation Bond Assumptions
Irigaray and Christensen Ranch ISL Projects
Permit to Mine No. 478
2003 Annual Report, August 2003

Table 1 – Summary of Reclamation/Restoration Bond Estimate

Table 1 is a summary of costs from individual bond worksheets. Added to the grand total of estimated spending are "miscellaneous" costs associated with the hiring of a third part contractor to actually perform the work. The specific miscellaneous costs are a requirement of the Wyoming Department of Environmental Quality (WDEQ), as outlined in the WDEQ Land Quality Division's Guideline No. 12, "Standardized Reclamation Performance Bond Format and Cost Calculation Methods", page 11. The U.S. Nuclear Regulatory Commission (NRC) also mandates that a standard contingency, in this case 15%, be added to the overall estimate for contingency for unknowns. An explanation of the various miscellaneous costs and contingency for Table 1 are as follows.

Project Design

This is the cost for an independent firm to design the final reclamation project. This includes all design and engineering work through production of construction documents. Some surveying and redesign of the operator's reclamation plan to fit the current situation may be required. WDEQ reference sources place this category at 2 to 6.5% of the total bond cost. WDEQ typically uses 3%. COGEMA has been approved to use 2% for this category based on the details of our reclamation plan.

Contractor Profit & Mobilization

This percentage covers contractor costs typically not found in the basic unit rates. This percentage specifically covers contractor profit, overhead costs, mobilization costs to the site and demobilization costs after job completion. According to WDEQ, assorted references place this cost from 8% to 15% of the total bond cost. WDEQ typically uses 10%. COGEMA has been approved by the WDEQ to use 8% for this category.

Pre-construction Investigation

This item addresses all fieldwork necessary to document and mitigate dangerous and/or quickly deteriorating conditions. Any assessment under this item will be based on the WDEQ's knowledge of specific site conditions and length of time between bond forfeiture (reason for a third party contractor) and initiation of the final reclamation project. WDEQ uses 1%, and has reference sources placing this cost between 1% and 2%. COGEMA has been asked by WDEQ to incorporate the 1% into our bond estimate.

Project Management

This category includes the costs for an independent firm to manage the final reclamation project. It includes complete oversight of all demolition, construction and reclamation activities. Examples would include supervision of groundwater restoration, wellfield piping and structures removal, plant buildings and equipment demolition, soil sampling, byproduct waste shipments, etc. References place this cost at 3% to 4%. WDEQ typically uses 3%. However, WDEQ has required a 4% project management cost for COGEMA due to the more technical aspects of groundwater restoration. Furthermore, at the suggestion of NRC, COGEMA has included a Radiation Safety Officer as part of the project management team, bringing the percentage for this estimate up to 5%.

On-site Monitoring

This category covers the costs for any miscellaneous monitoring felt necessary by the WDEQ after the final reclamation is completed. Costs of this item typically vary, depending upon the volume of monitoring already included in the bond or the type of reclamation activity required. The WDEQ typically uses 0.5%, and this is what COGEMA is bonded for.

Site Security & Liability Assurance

This category covers the cost for the WDEQ, or third party contractor, to provide any necessary site security measures during the reclamation program, and to purchase liability insurance to cover the timeframe of the reclamation program and full bonding period. WDEQ references place this cost at about 1% of the total bond amount. The WDEQ typically uses 1%, and this is what COGEMA is bonded for.

Longterm Administration

This category applies to the period between completion of the reclamation project and final bond release which is a minimum 5 year period for uranium mines. During this time the WDEQ will incur administrative costs prior to the final bond release. WDEQ typically uses 1% to 2% for this category depending upon the scale or complexity of the reclamation and post-reclamation monitoring. WDEQ has required COGEMA to use 2%.

Contingency

Contingency is included in the bond estimate to cover unknown conditions that could occur during the reclamation project. The WDEQ references place this cost at 2% to 5% of the total bond cost. Under normal circumstances WDEQ uses 4%. NRC requires a contingency of 15% regardless of the detail of the bond estimate, so COGEMA has incorporated the 15%.

WDEQ Reference Sources: The reference sources used by WDEQ to establish the ranges of percentages used in the miscellaneous items are:

- Means Heavy Construction Cost Data (current edition), R.S. Means Company, Inc., Kingston MA
- Means Site Work Cost Data (current edition), R.S. Means Company, Inc.
- Building Construction Cost Data (current edition), R.S. Means Company, Inc.
- Handbook for Calculation of Reclamation Bond Costs, 1987, Department of Interior, Office of Surface Mining Reclamation and Enforcement, Washington, D.C.
- Wyoming DEQ Abandoned Mine Land Program contracting and reclamation practices and cumulative experience.

Worksheet 1 – Groundwater Restoration

Worksheet 1 provides the cost estimate to complete the groundwater restoration work at both the Irigaray and Christensen sites. Most of the input data and calculations are self-explanatory. Explanations for the various unit rates or factors used in the calculations are described below:

Technical Assumptions:

All of the input data provided in the technical assumptions are actual site specific information. These data are used throughout the bond estimate as needed.

Restoration Operating Assumptions:

Flowrates, pore volumes required, RO efficiencies and disposal well information are taken from the restoration plan. The remainder of the operating assumptions are calculated using the conversion factors listed and the technical assumptions. A new line has been added this year to account for the number of baseline wells in each mine unit.

Restoration Cost Assumptions:

Power costs are based on actual (average) installed horsepower and actual costs for electricity at each of the sites. A factor of 1.0 has been requested by WDEQ for use as the Kwh/Hp ratio to account for motor efficiencies. This factor is used for the Irigaray operations, because we do not have current data on pumping costs. COGEMA's actual ratio of Kwh/Hp is 0.83 Kwh/Hp for Christensen Ranch, where restoration operations continue. This includes all operating submersible pumps, reverse osmosis feed pumps, the plant injection pumps, the two disposal well pumps, and miscellaneous electricity used in the restoration plant (lights, etc.). The factor of 0.83 Kwh/Hp is based on actual data from Christensen operations in years 2002 and 2003 (see Attachment 1), 0.83 has been incorporated into the bond estimate. Using this number, a unit rate for power ($/Kgal) is calculated.

Chemical costs are based on actual spending (year 2003) at the Christensen site. These costs have been applied to Irigaray, where appropriate. Repair and maintenance is also a unit rate based on actual spending for this category. These costs are outlined below:

<u>Groundwater Sweep and Reverse Osmosis Phases – Other Operating Assumptions:</u>

- BaCl (barium chloride) – would not be used in the future; instead would use radium resin currently on site.

- Anti-scalent (is used at Christensen only for surface discharge during GWS):
  Purchase of 250 gallon tote = $2,958
  = $11.832/gallon
  Addition target rate of 8 ppm
  $\frac{8 \text{ gallons}}{1{,}000 \text{ Kgal H20}} \times \frac{\$11.832}{\text{gallon}} = \$0.0947/\text{Kgal}$

- Elution cost is based on actual spending of $2,850 per average elution (includes labor and chemicals). $2,850 divided by 28,800 Kgal/elution = $0.099/Kgal.

- Sulfuric Acid, Hydrochloric acid and sodium sulfide are no longer used in the restoration process. Updated membranes for the RO units no longer need low pH feedwater, thus eliminating the need for acid addition prior to reverse osmosis. Hydrogen sulfide gas is now used instead of sodium sulfide.

- A unit rate of $0.863/Kgal is used for hydrogen sulfide gas. This is based on actual spending at Christensen Mine Units 2 and 4 over the past 10 months. The cost includes purchase of the chemical ($0.41/lb), an addition rate of 100 ppm, a flow rate of 100 gpm, one pore volume of use, plus a $75/day trailer rental fee. This cost has been added as a separate line item below the Reverse Osmosis wellfield section, as only 1 PV of hydrogen sulfide per mine unit is assumed.

- The unit rate of $0.0181/Kgal for caustic soda (reverse osmosis phase) is based on actual spending from August 2002 through July 2003.

- Restoration Plant repair and maintenance (GWS and RO) is based on actual spending from August 2002 through July 2003. These costs include purchase of piping, fittings, pump maintenance, filters and miscellaneous supplies.

  Supplies = $0.0358 per Kgal
  Outside Services = $0.0021 per Kgal
  = $0.0379 per Kgal

- Restoration wellfield repair and maintenance (GWS and RO) is based on actual spending from August 2002 through July 2003. Costs include purchase of submersible pumps, piping, fittings, filters and miscellaneous supplies.

  Supplies = $0.1185 per Kgal
  Outside Services = $0.1709 per Kgal
  = $0.2894 per Kgal

- Sampling and Analysis for Groundwater Sweep is based on taking a round of samples from each baseline well after the final GWS pore volume and analyzing the samples for a full suite Guideline 8 (26 parameters). This amount is then converted to a cost per Kgal for the pore volume:

  Irigaray Units 6-9: $\frac{\text{(27 baselines X \$200 = \$5,400)}}{\text{1 PV GWS = 39,525 Kgal}}$ = $0.137/Kgal

  Christensen Unit 2: $\frac{\text{(24 baselines X \$200 = \$4,800)}}{\text{1 PV GWS = 27,414 Kgal}}$ = $0.175/Kgal

- Sampling and Analysis for the Reverse Osmosis phase is based on one round of Guideline 8 analyses for each baseline well at the end of RO; plus a recovery composite analyzed for Guideline 8 in each mine unit (or area for Irigaray) for each PV; and miscellaneous samples during the process. For Christensen miscellaneous, assume 10 wells in each wellfield module of each mine unit are analyzed for 4 parameters, each PV. The cost of analysis is $10 each parameter, or $40. Christensen Unit 2 has 4 modules, Unit 3: 5 modules, Unit 4: 3 modules, Unit 5: 5 modules; and Unit 6: 6 modules. For Irigaray, assume 15 wells per Units 1-5, and 15 wells for Units 6-9, each PV, for the 4 parameters. These costs are divided by the total Kgals in 5 PV of RO treatment:

  Irigaray Units 6-9: 27 baselines X $200 = $5,400
  Rec. Comp.: 5 PV X 1 wellfield area (Units 6-9) X $200 = $1,000
  Misc.: 5 PV X 15 wells X (4 analytes, $10 each) = $3,000
  Total = $9,400/(197,624 Kgal/5 PV) = $0.048/Kgal

  Christensen Unit 2: 24 baselines X $200 = $4,800
  Rec. Comp.: 5 PV X 1 mine unit X $200 = $1,000
  Misc.: 5 PV X (10 wells/module*4 modules)*(4 analytes*$10 each) = $8,000
  Total = $13,800/(137,085 Kgal/5 PV) = $0.101/Kgal

- Utility costs listed are for electricity, heating and telephone for the offices during the restoration operations. The cost per month has been revised since last year. It was previously assumed that the main offices would continue operating if the work were contracted. In reality, to save costs during contracting, one of the on-site trailers would be used to office project management personnel during this time period. Powder River Energy Corp. has provided an average cost of $65/month for a typical full electric house trailer (heating and lights), thus eliminating the need for propane. Current telephone costs at Irigaray and Christensen combined are approximately

$500/month. Thus the new monthly unit rate of $565 is more appropriate than the $1000/month estimate in the previous bond estimate.

Waste Disposal Well Cost Assumptions:

Operating assumptions for the waste disposal well are based on the restoration plan and historical experience (such as the brine concentration factor). Cost assumptions follow the same rationale as for restoration costs (unit rates are based on actual site spending for the power, chemicals, repair and maintenance).

- Electrical power costs are based on the average Kwh/Hp factor of 0.83, which is the actual ratio for Christensen (includes all site pumps).
- RO Antiscalent cost (RO processed feed water for disposal well):
  Purchase of 250 gallon tote (delivered) = $4,758
  (Chemico Int'l RO 9) = $19.032/gallon
  Addition target rate of 10 ppm
  $\frac{10 \text{ gallons}}{1{,}000 \text{ Kgal H20}} \times \frac{\$19.032}{\text{gallon}} = \$0.1903/\text{Kgal}$
- Disposal Well Antiscalent cost:
  440 gallons delivered = $5,220.60
  (Champion Tech Gyptron t-67) = $11.865/gallon
  Addition target rate of 20 ppm
  $\frac{20 \text{ gallons}}{1{,}000 \text{ Kgal H20}} \times \frac{\$11.865}{\text{gallon}} = \$0.2373/\text{Kgal}$
- Sulfuric Acid (used prior to RO to avoid precipitation). Actual spending in 2003 was $22,243, divided by 41,662 Kgal = $0.5339/Kgal.
- Corrosion inhibitor: no longer required.
- Algaecide: 2003 purchases = $4,634; 2003 Kgal = 41,662; = $0.111/Kgal
- Repair and maintenance is based on actual spending from August 2002 through July 2003 for bag filters, pump parts, oil and lube, fittings. The unit rate for this is equal to $0.0116/Kgal as RO feed. Converted to Kgal of disposal well injection is:
  $\frac{\$0.0116}{\text{Kgal RO feed}} \times \frac{1000 \text{ Kgal RO feed}}{150 \text{ Kgal disposal well feed}} = \$0.0773/\text{Kgal}$

Stabilization Monitoring:

Three sample sets will be taken during the 9-month stabilization-monitoring period. The first set is taken three months after the beginning of stabilization monitoring. The next set is taken after six months and the last after 9 months. The sampling cost per set is based on rental of a 30 Kw, 480 volt, 3-phase portable generator for a one week period at a rate of $280/week (Industrial Engine Service, Casper WY, quote of August 2003). As each well is pumped for an hour period, and the generator can service 4 wells at a time, then it is possible to sample a maximum of 32 wells per day during 8 hours (assuming a 10-hour workday). A one-week rental is more than sufficient to sample all baseline wells in a mine unit, so this number is very conservative. The analytical cost is a calculation based on sampling all baseline wells in each wellfield with an analysis cost of $200/well for a DEQ Guideline 8 analysis for uranium mines (increased from last year's $150/sample). For this calculation, a new line has been added to the technical assumptions to show the number of baseline wells per area. Labor is included at the end of Worksheet 1. Utilities (electricity, telephone) are included for maintaining the office open during stabilization monitoring. These costs were previously described under the groundwater sweep explanations, above.

Labor:

Labor costs for 2.6 years of restoration operations are included (unchanged from last year). In reality, the completion of restoration at Christensen is only one year forward.

The operations crew consists of 1 supervisor, 4 operators, and 2 maintenance personnel. Operating costs for 2 vehicles are also included in this category. Unit rates for each worker category are shown in the table. A higher labor rate is used for groundwater restoration than is used in the remainder of the surface reclamation portion of the bond. This is because more skilled labor is required for operating the restoration equipment. Management labor is included in the Miscellaneous category under Project Management in Table 1.

Restoration Capital Requirements:

The only capital requirement listed is the plugging and abandonment of the two wastewater disposal wells. This has been listed as capital as the plugging and abandonment were included in the original capital construction estimate for the well, and this is the amount remaining. The plugging cost estimate of $100,000 per well is based on a consultant's estimate in 1999 of approximately $75,000 per well (placing cement plugs in accordance with Wyoming Oil & Gas Commission abandonment guidance).

Worksheet 2 – Plant Equipment Removal and Disposal

This worksheet calculates the costs to decontaminate, dismantle and remove, transport and dispose of plant process equipment. Explanations for the various unit rates or factors used in the calculations are described below:

Decontamination Cost

The decontamination unit rate was first developed in 1994, and was $462/load. In 2001, this estimate was inflated to 2001$ by applying a factor of 19.1%. This increased the base unit rate to $550/load. However, checking local rental rates for equipment, the current price for labor and hydrochloric acid, the 1994 assumptions are very close to today's cost. Accordingly, the decontamination unit rate has been revised downwards to $435/load.

Assumptions:

- 2 cubic feet = 6 square feet (surface)
- 2 laborers can powerwash or sandblast 10 square feet per minute, or 1.7 cubic feet per minute = 102 cubic feet/hour
- 1 load = 540 cubic feet

Labor:

- 2 laborers @ $15/hour = $30/hour
- 540 cubic feet/load divided by 102 cubic feet/hour = 5.29 hours/load
- 5.29 hours/load x $30/hour = $158.7, say $160

Equipment Rental:

- 2 3500 psi pressure washers @ $6/hour x 2 = $12/hour* ($60/day, 10 hr/day)
- 1 185 cfm air compressor with sandblast pot, hood, wand, hose @ $12.5/hour* ($125/day, 10 hr/day)

  = $24.5/hour

*rates based on 08-15-03 quote from Contractor's Equipment, Casper, WY

- 5.29 hours x $24.5/hour = $129.61, say $130

Materials:

- Sand: 75 cubic feet @ $1/foot** = $75
- 10% HCl, 440 gallons @ $0.155/gal*** = $68

  $143, say $145

**$1/foot from 08-15-03 quote of $19/ton for fine sand (100 lbs/ft3) from JTL, Casper

*** 10% HCl = 506 lbs/yd3, 202 gallons/yd3, $124/ton = $0.155/gal
TOTAL = $160 + $130 + $145 = $435/load

Dismantling and Loading Cost

The base detail of this cost was also generated in 1994 ($600/load) and inflated to 2001$ ($715/load). Using current quotes, the cost is now estimated at $650/load.
Dismantling and loading cost of $600/load (1994 $):

Labor Crew:	1 foreman	@ $20/hour
	4 laborers	@ $15/hour = $60/hour
	1 truck	@ $10/hour
	1 welder	@ $35/hour
		$125/hour

Estimate: 4 hours @ $125/hour = $500
Equipment Rental: 1 front-end loader with operator @ $75/hour (CAT 988C, June 2003 quote from Rapid Construction)
Productivity: 1 load = 20 yd3, 10 yd3/hr
Estimate: 2 hours @ $75/hour = $150
TOTAL = $650/load

Oversize Charges

The cost of $326/per truckload for oversize charges was provided to COGEMA by our former trucking firm, Key Trucking (Kaycee, Wyoming). This was their estimate of what they would be paying for permits for any loads that were larger than 15' wide, 15' high and 75' long. No other details are available. Standard charges from the Wyoming Department of Transportation, Port of Entry, are $15 plus $0.03/foot/mile for the oversized item. We believe that the $326/load is very conservative based on the standard charges quoted.

Transportation & Disposal

- Cost per mile of $2.58 for transportation of decommissioned materials is standard throughout the bond estimate. This is the actual price charged by Key Trucking for hauling materials short distances (less than 200 miles). The mileages listed in the bond are 48 miles from the project sites to the Edgerton, Wyoming industrial landfill, and 150 miles to Shirley Basin, Wyoming (tailings facility for byproduct disposal). The $2.58 charge is based on a loaded mile (one-way).
- Landfill costs of $12.00/cubic yard are the actual rates charged by the Edgerton, Wyoming industrial landfill (July 2003 rate sheet).
- COGEMA Mining has a byproduct material disposal agreement with Pathfinder Mines Corporation's Shirley Basin tailings facility. The disposal fee per cubic foot for piping, process equipment, demolition waste is $11/cubic foot.

Worksheet 3 – Plant Building(s) Demolition and Disposal

This spreadsheet provides the costs for demolition and disposal of all buildings at Irigaray and Christensen, including concrete decontamination, demolition and disposal. Also included in the spreadsheet are costs for the removal and disposal of contaminated soils under the process buildings, and at the NPDES surface discharge points (one each site). Individual cost items are:

Structural Character

- Western Water Consultants, Sheridan, Wyoming, provided factors for gutting, and estimated material weights for the Irigaray process buildings volumes. Volumes,

etc., for the Christensen buildings were estimated by COGEMA's in-house staff, using the Western Water Consultants work at Irigaray.

- The building demolition cost of $0.165/cubic foot is taken directly from Appendix K of LQD's Guideline No. 12.
- The building demolition disposal cost of $300/truckload (25 CY trailer) is from the July, 2003 rate sheet from the Edgerton, Wyoming industrial landfill.

Concrete Decontamination, Demolition & Disposal

- The decontamination costs of $0.134/square foot is based on the decontamination estimate of $435/load discussed above for Worksheet 2. One load = 540 cubic feet; assuming 1 cubic foot = 6 square feet (surface), then $435/load divided by 3240 square feet per load = $0.134 per square foot.
- The concrete demolition rate of $3.05/square foot is taken directly from Appendix K of LQD's Guideline No. 12.
- The on-site disposal cost has been calculated as $0.23/ft3, or $6.25/yd3. This is based on the following:

  1 988C loader with operator @ $75/hour (Rapid Construction quote, 2003)
  1 dump truck with operator @ $50/hour
  $125/hour

  Productivity: 2 loads/hr (10 yd3 load) = 20 yd3, or 540 ft3
  TOTAL = $125/540 = $0.23/ft3
- The disposal fee of $3.70/cubic foot is based on the byproduct waste disposal agreement with Pathfinder Mines Corporation's Shirley Basin site. This rate is based on the agreement fee of $100/cubic yard for soils and concrete rubble. ($100/27 cubic feet per cubic yard = $3.70 per cubic foot).

Soil Removal & Disposal

The estimate of contaminated soils is simply a contingency for unknowns. All unit rates associated with this contingency have previously been justified, except that the unit rate for a front end loader (with operator) has been increased from $50/hr to $75/hr (Rapid Construction quote for a 988C loader, 2003).

Radiation Survey

The cost for radiation surveys is detailed below:

Soil sampling and analysis cost:

- $75/soil sample for digestion, U and Ra-226 analysis (Energy Lab, Casper quote)
- $25/soil sample for labor
- Total = $100/sample, and an average of 4 samples per acre = $400/acre

Gamma characterization and verification survey

- $100/acre for GPS survey
- $50/acre for grid establishment
- $30/acre for verification after excavation
- Total = $180/acre (quotes from ERG, New Mexico)

Grand Total = $580/acre

Worksheet 4 – Pond Reclamation Costs

Worksheet 4 provides all costs for the decommissioning of evaporation ponds located at the Irigaray and Christensen site. Unit rates used for this work that have not been identified in detail for other worksheets are provided following:

Pond Sludge

Last year's sludge handling costs per load were $238/load. This was based on a 1994 cost estimate of $200/load then inflated to 2001$ (19.1%). Using current rates, the sludge handling costs per load are given as $240/load.:

- Front-end loader with operator @ $75/hr (10 c.y./hr) for 2 hrs. = $150
- Labor crew (1 hour) = 1 foreman @ $20/hr
  4 laborers @ $15/hr
  1 truck @ $10/hr
  = $90/hr = $90

TOTAL = $240/load

Pond Liner

- Labor crew costs per hour for handling the pond liner are taken from the above estimate of $90/hour. Labor costs are relatively unchanged over the past few years
- The $11/ft3 for disposal is the current contract price for this type of material at Pathfinder's Shirley Basin tailings impoundment.

Pond Backfill

- The unit rate for backfilling of $1.00 per cubic yard is conservative. A third party contractor at Pathfinder's Shirley Basin facility is currently charging $0.70 per cubic yard for backfilling/excavation work and $0.54 per cubic yard for regrading (Rapid Construction, 2003).

Radiation Survey – See Worksheet 3

Leak Detection System Removal

- This section assumes that contamination is found in the leak detection system wherever a leak has been detected in a pond during its operating life. This is why volumes are included for only Ponds C and D at Irigaray. The amounts from Pond 1 at the 517 site have been removed as this area has already been decontaminated and is ready for clean backfill. Handling costs for removal of these systems are included as $240/load, or the same as the pond liner handling costs.

Worksheet 5 – Well Abandonment

The method used for well abandonment in this bond calculation involves the placement of bentonite chips in the bottom 75 feet and upper 30 feet of each well, with the intermediate volume filled with gravel. A cement cone is placed two feet below the surface, then the surface casing is removed and the hole is backfilled with soil using a backhoe. The abandonment unit rate for 2003 has increased very slightly over last year's rate due to price changes, described as follows:

- Cost of bentonite chips - $4.50/bag is a quote from Casper Well Products, Casper, Wyoming (August 2003).
- Cost of gravel/cubic yard – two quotes were obtained in August 2003 for sand & gravel to fill the wells for final abandonment. The first was from JTL Group (Casper, WY) for screened, washed pea gravel. The quote was $16.00/ton, with a 1.5 tons/yard conversion, or $24.00 per yard. The second quote was from '71 Construction (Casper, WY) for a sand-pea gravel mix, suitable for well abandonment.

This cost came in at $16 per ton with a 1.25 tons/yard conversion, or $20 per yard. This cost has been used to replace last year's cost of $17.53 per cubic yard.

- Cost of cement cones/markers - $4.00 each from Casper Well Products, Wyoming.
- An example of a typical well abandonment calculation for Irigaray is as follows:

Assume: well volume = 27.6 ft3; well depth = 250 ft; casing diameter = 4.5 inches

Materials per well:

Bentonite chips from 250' to 175' (Christensen = 410' to 335')
Sand/gravel from 175' to 30' (Christensen = 335' to 30')
Bentonite chips from 30' to 2'
Cement cone and backfill from 2' to surface

Materials/well: 15 bags bentonite chips @ $4.50/bag	= $67.50
(65 lbs/ft3, 11.4 ft3/well, 50 lb. bags)	
0.58 c.y. gravel @ $20/c.y.	= $11.60
[Well T.D. – (105'-2') x 0.11($\frac{\pi r^2}{144\ in^2/ft^2}$)/27]	
Cement cone and marker @ $4.00 each	= $ 4.00

Labor: 1 hr./well

1 – Foreman @ $20.00/hour	
2 – Laborers @ $15.00/hour	
1 – Vehicle @ $10.00/hour	
$60.00/hour	
$60.00/hour x 1 hour/well	= $60.00

Equipment Rental: 1 backhoe @ $38.50/hour x 1 hour/well	= $38.50
(Operator included – rate is actual 2003 rental rate)	
TOTAL cost per well	= $181.60

Worksheet 6 – Wellfield Equipment Removal & Disposal

This spreadsheet covers the removal & disposal of all wellfield piping, submersible pumps and tubing, trunklines running from the wellfields to the plant, and manholes along the trunklines. Unit rates not addressed previously are detailed below.

Wellfield Piping Removal

The 1994 cost of $0.162/ft to remove buried lines running from the module buildings to each individual well was used for last year's unit rate, then inflated by 19.1% to 2001$ for the unit rate of $0.193/ft. This year costs have been updated, such as an increase in the backhoe and chainsaw rental charges, providing a new unit rate of $0.202/ft of removal. An example of the calculation is provided as follows:

Open Trenches:

- 300'/well, 446 wells = 133,800 linear feet of pipe
- trenches: 300'/well x 2' deep x 2' wide = 1,200 ft^3 = 44 c.y./well
- 44 c.y./well x 446 wells (Christensen Unit 6) = 19,624 c.y.
- 19,624 c.y. @ 50 c.y/hour = 392 hours
- Equipment rental: 2 backhoes @ $38.5/hour x 196 hours each = $15,092 ($0.113/ft)
  (operators included)

Remove Pipe, Chip and Load: (assume approximately 20,000 feet /day chipped)

- Labor: 1 – Foreman @ $20.00/hr.

4 – Laborers @ $15.00/hr.
1 – Vehicle @ $10.00/hr.
$90.00/hr. x 6 days = $ 4,320

- Equipment Rental: 2 chainsaws @ $5.00/hr x 3 days = $ 30
  (chainsaw rental = $50/day, assume 10 hr day) = ($0.0325/ft)

Backfill Trenches:

- 19,624 c.y. @100 c.y./hr. = 196 hrs.
- Equipment rental: 2 backhoes @ $38.50/hr. x 98 hrs each = $ 7,546
  (operators included) ($0.056/ft)

TOTAL= $0.202/linear foot

Non-contaminated landfill charges of $12/yd3 throughout Worksheet 6 is from the July 2003 rate sheet from the Edgerton landfill (quote for demolition trash).

Pump Removal

Submersible pumps are set in each production well for mining and restoration. Last year's pump removal cost of $21.44 is the 1994 cost of $18.00 per well adjusted to 2001$ (19.1% increase). This year, we have updated the pulling unit cost and now have a unit rate of $22.50 per pump or well. Using Christensen Mine Unit 6 as an example, the details are as follows:

Pull pumps and tubing – 4 wells/hour, 202 production wells

- Labor: 1 – Foreman @ $20.00/hour
  2 – Laborers @ $15.00/hour
  $50.00/hour x 50.5 hours = $ 2,525
- Equipment Rental: 1 pulling unit @ $40.00/hr. x 50.5 hours = $ 2,020
  $ 4,545

TOTAL = $4,545 / 202 wells = $22.50/ pump or well

Survey & Decontamination – see Worksheet 2

Tubing Volume Reduction and Loading

Using Christensen Mine Unit 6 as an example, the details of this cost are as follows:

Tubing: 300'/well average x 202 wells = 60,600 linear feet

- Chip and load: average O.D. (inches) = 3; chipped volume reduction (ft^3/ft) = 0.016; chipped volume = 970 ft^3; assume approximately 20,000 feet per day chipped.
- Labor: 1 – Foreman @ $20.00/hour
  2 Laborers @ $15.00/hour
  $50.00/hour x 3 days (30 hours) = $1,500
- Equipment: shredder is owned by COGEMA

TOTAL = $1,500 / 60,600 linear feet = $0.025/linear foot

Surface Piping Removal

Surface piping exists at the Irigaray site. The cost for removing the Irigaray is the same as the wellfield piping removal cost of $0.202 above, but $0.056/ft must be removed for the cost of backfilling. The $0.113/ft. cost for opening trenches was kept, because portions of the surface lines are partially covered with soil, and buried in some locations. So, the removal, chipping and loading costs for surface lines (only located at Irigaray) is $0.146/ft. Last year's estimate was $0.143/ft based on an inflated 1994 cost estimate.

Buried Trunkline Removal

Last year's unit rate of $2.80 was developed from the 1994 cost for removal of buried trunklines, inflated to 2001$ (19.1%). Using the buried 12" lines at Irigaray for an example, the updated unit cost for removal of buried trunklines is now estimated as $3.12/ft. Cost changes for backhoe rental and 10 hour days are incorporated.

Open Trenches:

- 7,300 linear feet of pipeline
- 2' deep x 4' wide = 29.6 c.y. soil per 100 feet of trench
- 29.6 c.y. x 7,300' / 100 = 2,163 c.y. soil to be removed
- Equipment Rental: 1 Trackhoe @ $110.00/hour x 14.4 hours = $ 1,586
  (operator included, 150 c.y./hr rate) ($0.22/ft)

Remove Pipe, Chip and Load: Assume 500' per day

- Labor: 1 – Foreman @ $20.00/hr
  4 – Laborers @ $15.00/hr
  1 – Vehicle @ $10.00/hr
  $90.00/hr x 14.6 days (146 hrs) = $13,140
  ($1.80/ft)
- Equipment Rental: 1 Chainsaw @ $5.00/hr
  1 Backhoe @ $38.50/hr
  $43.50/hr x 14.6 days = $ 6,351
  ($0.87/ft)

Backfill Trenches:

- Assume 50 c.y./hr x 2,163 hours = 43.3 hours
- Equipment rental: 1 backhoe @ $38.50/hr x 43.3 hours = $ 1,667
  ($0.23/ft)

TOTAL = $22,744 / 7,300 linear feet = $3.12/linear foot

Manhole Removal

Manholes are present along each of the buried trunklines to permit access to valves. Removal is essentially the crushing of the 12' by 8' culvert in place and backfilling. Removal cost of $110 per manhole is based on the following:

- Labor: 1 – Foreman @ $20.00/hr
  2 – Laborers @ $15.00/hr
  1 – Vehicle @ $10.00/hr
  $60.00/hr x 1.3 hour/manhole = $ 78.00
- Equipment Rental: 1 Backhoe @ $38.50/hr x 1 hour/manhole = $ 38.50
  $116.50
  say = $117.00

In the previous bond estimate, it is assumed that the manhole culverts are contaminated. In reality, these culverts are not contaminated and will be demolished as stated, in place. Another potential is to pull and sell them.

Worksheet 7

Worksheet 7 provides to costs to replace topsoil in areas where topsoil was stripped and stockpiled, to conduct radiation surveys & soil analysis prior to topsoil placement, then the revegetation of the topsoil or ground surface without topsoil. Unit rates used in the calculations that have not been previously detailed are described below.

Unit Cost – Grading

- A cost of $1/yd3 is used to haul and place topsoil. This is conservative considering that Rapid Construction is hauling and placing topsoil at Pathfinder's Shirley Basin mine in July 2003 for a unit rate of $0.80/yd3.
- $38.45/acre – WDEQ Guideline 12 places the cost for final grading using a Caterpillar 16H Motor Grader at $38.45 per acre ($102.28/hr, 2.66 acres/hr).

Wellfield - Spills

- Wellfield spill areal estimates are based on documentation of on-site spills. The handling cost of $240/load is taken from Worksheet 4 for handling of pond sludge.

Revegetation

- $491.71/acre – This cost has been used in past bond estimates and was taken from previous issues of the WDEQ Guideline 12. In the most recent edition of Guideline 12, operators are allowed to calculate their own revegetation costs, because the $491.71/acre is very high. The last revegetation done at Christensen in year 2000 cost $195/acre (seed plus drill costs). Mulching and crimping were not necessary, and will only be necessary on steep slopes. We have continued to use the $491.71/acre as it is considered conservative.

Remedial Action

- An assumption is made that 50% of all surface areas that have been revegetated will require remedial action. The costs assume that these areas will be revegetated again at the same cost of $491.71/acre.

Worksheet 8

Worksheet 8 provides all the remaining miscellaneous items that could be involved in the final reclamation. Unit rates are described below:

Fence Removal & Disposal

The unit rate of $0.68/ft is taken from Appendix H, WDEQ – LQD Guideline 12.

Powerline Removal & Disposal, Powerpole Removal & Disposal

Distribution lines and power poles are owned by Powder River Energy Corp. (PREC) and will be removed upon request at no charge. Transmission lines and power poles which go from the main metering points to various electrical substations will also be removed by PREC at no cost for their salvage value.

Transformer Removal & Disposal

The costs for removal and disposal of transformers are based on the 1994 issue of WDEQ-LQD's Guideline No. 12. The costs for the larger transformers at Irigaray and Christensen Units 2 through 5 were $2,040 each, inflated to 2001$ = $2,428. The smaller transformers used in Christensen Unit 6 are $500 each inflated to 2001$ = $595 each. To account for any additional inflation since 2001, the large transformers have been increased to $2,500 and small transformers to $600.

Booster Pump Assembly Removal & Disposal

Removal of the booster pump assemblies along the trunklines at Christensen is based on labor, and will be non-contaminated. An internal estimate of $200/assembly was used in 1994$, then inflated to 2001$ = $298. Current listed cost is $300.

Culvert Removal & Disposal

The cost of $3.48/foot of culvert is taken from the most recent edition of WDEQ-LQD Guideline 12, Appendix J.

Guardrail Removal

The 2001 cost for guardrail removal of $6.19/foot was based on the 1994 edition of WDEQ-LQD Guideline 12 where the cost per foot for guardrail removal was $5.20/foot. The value of $6.30/foot has been incorporated as a 2003 cost.

Low Water Stream Crossing

In 1994, this cost was estimated as the same as the construction cost ($7,000). Inflated to 2001$, the cost was $8,330. A cost of $8,500 has been incorporated as the 2003 cost.

Utilities Cost

In 1994, the utility cost per month for heating or providing electricity during the reclamation operations was estimated at $2,000/month for Irigaray and $1,000/month for Christensen. These costs were simply inflated to 2001$, or $2,380/month for Irigaray and $1,190/month for Christensen. This cost has been revised to show the cost of utilities for use of one of the on-site office trailers instead of operating the power system for the offices. An average cost of $65/month for a full electric house trailer was obtained from PREC and is used for this estimate.

ATTACHMENT 1
POWER BILL HISTORY
Christensen Ranch Mine

Month	Billed Days	Billed Hours	Billed KWH	Active HP	KWH/HP*	$/KWH
Jan-02	30	720	820,800	1,225	0.93	0.0380
Feb-02	33	792	974,400	1,346	0.91	0.0358
Mar-02	29	696	868,800	1,347	0.93	0.0374
Apr-02	27	648	793,200	1,385	0.88	0.0391
May-02	30	720	798,000	1,387	0.80	0.0381
Jun-02	29	696	760,800	1,377	0.79	0.0371
Jul-02	33	792	838,800	1,375	0.77	0.0350
Aug-02	30	720	746,400	1,340	0.77	0.0363
Sep-02	32	768	724,800	1,345	0.70	0.0365
Oct-02	35	840	840,000	1,345	0.74	0.0341
Nov-02	25	600	740,400	1,345	0.92	0.0374
Dec-02	38	912	900,000	1,345	0.73	0.0355
Jan-03	31	744	950,400	1,353	0.94	0.0343
Feb-03	28	672	792,000	1,353	0.87	0.0369
Mar-03	27	648	775,200	1,353	0.88	0.0377
Apr-03	29	696	708,000	1,288	0.79	0.0388
May-03	28	672	760,800	1,288	0.88	0.0366
Jun-03	29	696	723,600	1,299	0.80	0.0375
Jul-03	35	840	937,200	1,299	0.86	0.0329
Aug-03	33	792	805,200	1,301	0.78	0.0344
TOTAL	611	14664	16,258,800	1,317	0.842	0.0364

* Note: KWH/HP = Billed KWH / Billed Hours / Active HP

APPENDIX 4

General Location & Environmental Monitoring Maps

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D-03

APPENDIX 5

Groundwater Restoration Maps

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D-05

APPENDIX 6

Piezometric Contour Maps

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"CHRISTENSEN RANCH SHALLOW ZONE PIEZOMETRIC MAP MINE UNITS 2 THRU 6 PERMIT TO MINE NO. 478 PIEZOMETRIC LEVELS TAKEN MAY 2003"

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D-06

CHRISTENSEN RANCH PROJECT
SHALLOW ZONE PIEZOMETRIC ELEVATIONS
MAY 2003

Well #	Piezometric Elevations
MU2	
MW068S	4574.3
MW070S	4560.3
MW072S	4566.6
MW092S	4572.0
MW094S	4554.8
MW096S	4571.1
MW098S	4558.2
MW100S	4556.2
MW112S	4553.0
MW117S	4532.4
MU3	
MW46S	4552.5
MW48S	4554.8
MW50S	4556.5
MW52S	4549.0
MW54S	4558.9
MW56S	4556.7
MW58S	4565.6
MW66S-2	4571.4
MU4	
4SM-01	4607.1
4SM-04	4594.2
4SM-08	4590.9
4SRM-07	4580.1
MU5	
5SM1	4626.3
5SM2	4671.1
5SM3	4670.1
5SM5	4680.3
5SM6	4663.2
5SM7	4661.0
MW-11S	4629.9
WCOW-04	4638.0
MU6	
6SM01	4701.6
6SM02	4706.2
6SM03	4717.1
6SM04	4718.2
6SM05	4708.6
6SM06	4691.0
6SM07	4690.9
6SM08	4731.7
6SM09	4732.8
6SM10	4681.1
6SM11	4731.5
6SM12	4731.6
6SM13	4731.8
6SM14	4705.5

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D-07

CHRISTENSEN RANCH PROJECT
ORE ZONE PIEZOMETRIC ELEVATIONS
MAY 2003

Well #	Piezometric Elevations
MU2	
MW073	4520.1
MW074	4520.5
MW075	4520.1
MW076	4520.5
MW077	4519.8
MW078	4516.8
MW078T	4515.7
MW079	4514.7
MW080	4511.5
MW081	4508.5
MW082	4506.6
MW083	4508.4
MW084	4509.3
MW085	4508.3
MW086	4510.9
MW087	4513
MW087T	4513.9
MW088	4515.2
MW089	4517
MW090	4502.5
MW101	4494
MW102	4492.3
MW103	4501.7
MW104	4499
MW105	4500.6
MW106	4499
MW107	4498.6
MW108	4493
MW109	4495.6
MW110	4499.8
MW111	4503.6
2AE30-1	4512.1
2S107-1	4438.8
2Y53-2	4505.98
2Z35-1	4506.6
MU3	
MW17-2	4518.3
MW18	4517.2
MW19	4517.4
MW20	4516.7
MW23	4514.1
MW24	4545.4
MW25	4513.9
MW26	4514.8
MW27	4516
MW28	4519.1
MW29	4520
MW30	4521.2
MW31	4522.9
MW32	4521.8
MW35	4527.4
MW36	4526
MW37	4518.9
MW38	4519
MW39	4519.6
MW40	4519.9

Well #	Piezometric Elevations
MW41	4521.5
MW42	4522.1
MW43	4522.3
MW44	4515.3
MW45	4517
MW62	4521.1
MW63	4521.7
MW64	4523.1
MW114	4515
MW115	4514.3
MW116	4514.2
3F10-1	4510.6
3J25-2	4515.5
3R33-2	4516.2
3T44-2	4516.6
MU4	
4MW-01	4521.9
4MW-02	4522
4MW-03	4521.3
4MW-04	4523
4MW-05	4522
4MW-06	4523.7
4MW-07	4522.8
4MW-08	4522.4
4MW-09	4522.6
4MW-10	4513.4
4MW-11	4523.8
4MW-12	4522.1
4MW-13	4524.1
4MW-14	4522.3
4MW-15	4523
4MW-16	4521.5
4MW-17	4523.4
4MW-18	4521.4
4MW-19	4523.4
4MW-20	4518.3
4MW-21	4523.4
4MW-22	4518.6
4MW-23	4524.4
4MW-24	4522.5
4MW-25	4524.1
4L36-2	4522.4
4Q72-1	4522.1
4T110-1	4522.3
MU5	
5MW01	4548.7
5MW02	4533.8
5MW03	4550.1
5MW04	4541.2
5MW05	4550
5MW06	4542.4
5MW07	4548.9
5MW08	4544.2
5MW10	4545.6
5MW12	4541.2
5MW14	4542.3

Well #	Piezometric Elevations
5MW16	4543.4
5MW18	4542.7
5MW20	4546.7
5MW30A	4485.1
5MW31	4488.5
5MW32A	4490.1
5MW33	4491.8
5MW34	4492
5MW35A	4487.1
5MW36	4491.4
5MW37	4585.2
5MW38	4489.3
5MW39A	4478.6
5MW40	4491.5
5MW41A	4483.7
5MW42	4495.9
5MW43	4484.7
5MW44	4489.8
5MW45	4484.2
5MW46	4483.4
5MW47B	4496.6
5MW48	4786.3
5MW49	4497.5
5MW50	4492.2
5MW51	4514.2
5MW52	4501.5
5MW53	4517.7
5MW54	4506.7
5MW55	4513.9
5MW56	4512
5MW57	4515.8
5MW58	4515.9
5MW59	4518.4
5MW60	4518.6
5MW61	4524.4
5MW62	4520.9
5MW63	4529.7
5MW64	4527.1
5MW65	4535.1
5MW66	4531.7
5MW67	4541
5MW69	4545.9
5TW-1	4545.8
5AG63-1	4468.2
5AO60-1	4430.4
5AV54-1	4488.17
5BB45-2	4484.3
5BJ55-1	4504.4
5BP155-1	4542.4
5BR117-1	4535.4
5BT134-2	4536.7
MU6	
6MW17-2	4532
6MW19	4575.9
6MW21	4573.7
6MW23	4569

Well #	Piezometric Elevations
6MW25	4567.3
6MW27	4570.3
6MW29	4566.5
6MW31	4567.2
6MW33	4562.6
6MW34	4579.6
6MW35	4559.5
6MW36	4579.2
6MW37	4558.1
6MW38	4577.9
6MW39	4554.3
6MW40	4575.5
6MW41	4553.9
6MW42	4575.2
6MW43	4553.2
6MW44	4570.9
6MW45	4552.3
6MW46	4570.9
6MW47	4553.2
6MW48-3	4570
6MW49	4555.1
6MW50	4568.2
6MW51	4554.8
6MW52	4563.2
6MW53	4554.6
6MW54	4560.9
6TW1	4571.6
6TW2	4570.8
6TW3	4572.1
6TW4	4569.4
6TW5	4573.3
6AH47-1	4564.5
6AK48-2	4565.4
6AM41-1	4566.7
6U28-2	4553.6
6Z28-1	4561.3

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D-08

CHRISTENSEN RANCH PROJECT
DEEP ZONE PIEZOMETRIC ELEVATIONS
MAY 2003

Well #	Piezometric Elevations
MU2	
MW067D	4524.0
MW069D	4524.4
MW071D	4525.8
MW091D	4523.9
MW093D	4522.8
MW095D	4522.6
MW097D	4522.6
MW099D	4520.1
MW113D	4514.6
MU3	
MW45D	4528.4
MW47D	4529.7
MW49D	4531.4
MW51D	4527.0
MW53D	4533.3
MW55D	4532.3
MW57D	4537.1
MW65D	4541.2
MU4	
4DM-01	4561.8
4DM-04	4550.2
4DM-08	4543.7
4DRM-07	4555.4
MU5	
5DM1A	4600.7
5DM2	4588.9
5DM3	4593.2
5DM4	4595.4
5DM5	4591.0
5DM7	4588.8
5DM8T	4560.7
5DM9T	4556.8
MW-12D	4595.9
WCOW-37	4589.2
MU6	
6DM01	4550.9
6DM02	4553.1
6DM03-2	4553.9
6DM04-2	4554.5
6DM05	4558.2
6DM06	4565.3
6DM07	4575.6
6DM08	4570.0
6DM09	4565.0
6DM10	4563.6
6DM11	4573.0
6DM12	4574.6
6DM13	4571.7
6DM14	4561.1
6DT01	4556.8

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D-09

IRIGARAY PROJECT
SHALLOW ZONE PIEZOMETRIC ELEVATIONS
JUNE 2003

Well #	Piezometric Elevations
SSM02	4310.0
SSM03	4312.0
SSM04	4304.1
SSM05	4312.7
SSM06	4312.2
SSM07	4312.9
SSM08	4312.0
SSM09	4314.8
SSM10	4314.6
SSM11	4316.3
SSM18	4323.6
SSM19	4316.7
SSM34	4315.2
SSM35	4316.0
SSM36	4317.2
SSM37	4312.0
SSM38	4314.1
SSM39	4312.5
SSM40	4317.4
SSM41	4312.8
SSM42	4305.1
SSM43	4311.0

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IRIGARAY PROJECT
ORE ZONE PIEZOMETRIC ELEVATIONS
JUNE 2003

Well #	Piezometric Elevation
16-151	4321.8
AP05	4307.4
DI40	4303.9
FI40	4308.1
GI76	4308.4
HI49	4310.3
JI59	4314
KI88	4314
LI03	4316.5
LI118	4318.2
LP43	4316
M02	4298.9
M04	4310
M07	4309.6
M10	4295.9
M12	4313.5
M14	4311
M15	4306.5
M17	4304.1
M18	4309.8
M19	4311
M23	4314.1
M24	4315.2
M25	4307.6
M26	4313
M27	4299.6
M28	4318
M29	4315.9
M30	4321.3
M31	4318.3
M32	4323.3
M33	4317.5
RS19	4305
RS27	4306.8
RS34	4303.5
RS39	4307
RS84	4307.3

Well #	Piezometric Elevation
T03	4303
T08	4303.2
T12	4299.5
T24	4305.2
T25	4300.9
T27	4312
T31	4296.4
T32	4305.4
T33	4309
T36	4309.1
T38	4311
T39	4311.3
T42	4312.8
T43	4313.2
T46	4314.4
T47	4314
T50	4317.6
T51	4316.7
T54	4319.8
T55	4316.3
T58	4321.6
T59	4317.9
T62	4321.8

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IRIGARAY PROJECT
COAL ZONE PIEZOMETRIC ELEVATIONS
JUNE 2003

Well #	Piezo Elevation
SM01	4306.4
SM02	4306.0
SM04	4306.4
SM07	4302.9
SM09	4307.3
SM10	4311.7
SM11	4309.7
SM15	4316.5
SM16	4311.7
SM17	4305.1
SM18	4311.6
SM19	4310.1
SM23	4310.3
SM24	4311.8
SM25	4314.7
SM26	4308.0
SM27	4314.5
SM28	4307.8

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PRODUCTION UNITS 1 - 9
PERMIT TO MINE NO. 478
PIEZOMETRIC LEVELS TAKEN
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IRIGARAY PROJECT
DEEP ZONE PIEZOMETRIC ELEVATIONS
JUNE 2003

Well #	Piezo Elvtn
DM01	4310.2
DM02	4301.7
DM03	4306.8
DM04	4311.1
DM05	4296.4
DM09	4313.4
DM11	4313.7
DM13	4316.4
DM14	4314.4
DM15	4319.3
DM16	4320.8
DM17	4313.2
DM18	4310.0
DM20	4312.1
DM21	4317.0
DM22	4316.4