COGEMA
Mining, Inc.

August 15, 2002

U. S. Nuclear Regulatory Commission
Mr. Dan Gillen, 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 Jerry:

As requested by our project manager Elaine Brummett, a copy of the 2001-2002 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,

John Vaelin

John Vaelin
Radiation Safety Officer

Attachment

Letter cc: COGEMA - D. Wichers

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

CHRISTENSEN MINE OPERATIONS
935 PENDELL BOULEVARD, PO BOX 730, MILLS, WYOMING 82644
TEL. (307) 464-1427 FAX (307) 464-1429

COGEMA
Mining, Inc.

August 15, 2002

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 2001-2002 Annual Report for Permit to Mine No. 478. The report covers activities at the Irigaray and Christensen Ranch Projects from August 19, 2001 through August 18, 2002. Included in this report is the revised financial surety estimate for the 2002-2003 period, located in Appendix 3.

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

Sincerely,

John Vaselin

John Vaselin
Radiation Safety Officer

Attachment

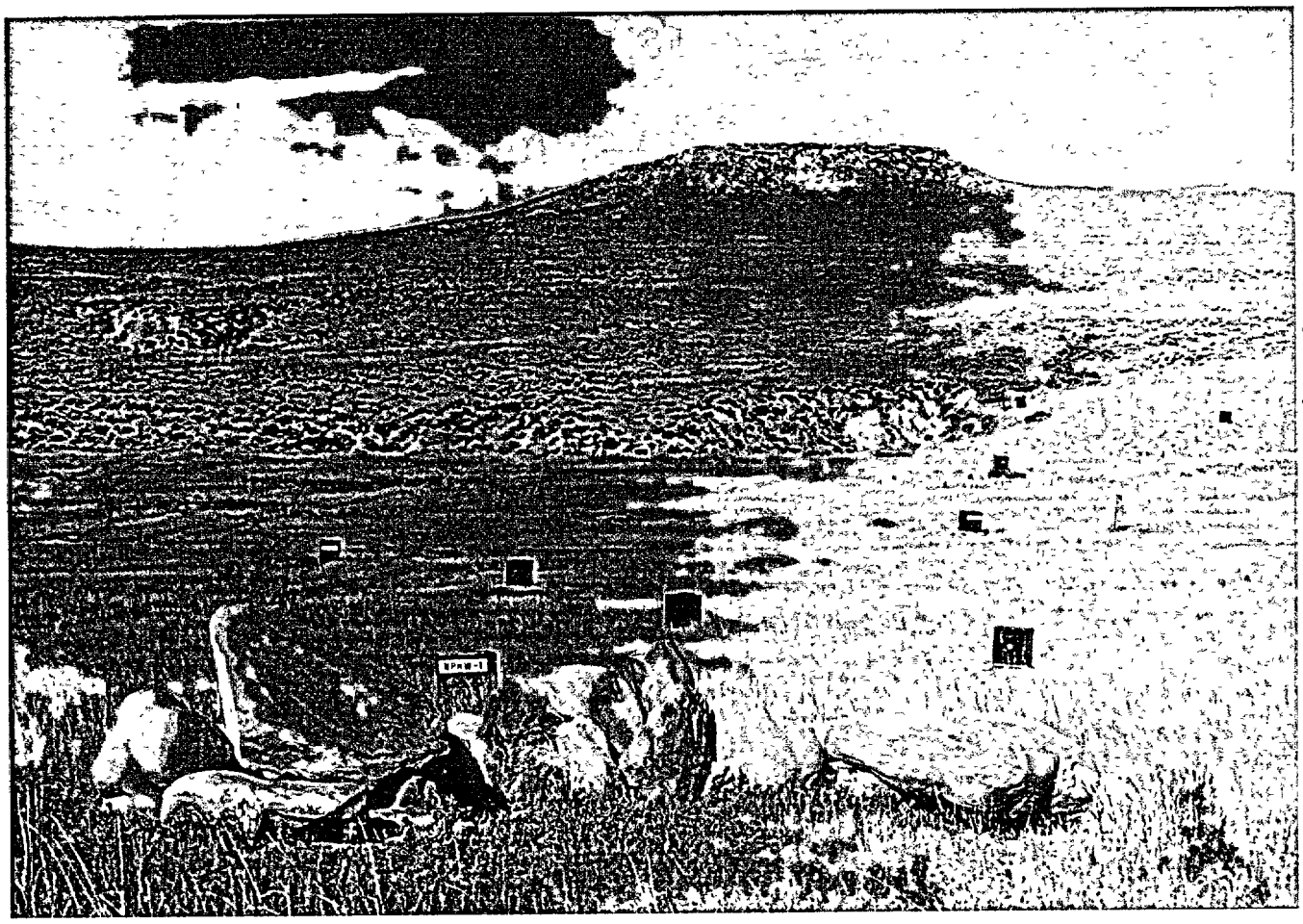
Letter cc: COGEMA - D. Wichers

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

CHRISTENSEN MINE OPERATIONS
935 PENDELL BOULEVARD, P.O. BOX 730, MILLS, WYOMING 82644
TEL: (307) 464-1427 FAX: (307) 464-1429

COGEMA
Mining Inc.

IRIGARAY AND CHRISTENSEN RANCH PROJECTS



ANNUAL REPORT
WDEQ PERMIT TO MINE No. 478
August 19, 2001 – August 18, 2002

August, 2002

ANNUAL REPORT
PERMIT TO MINE NO. 478
August 19, 2001 through August 18, 2002

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, Department of Environmental Quality. 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 numerous, and will not be listed here. Claim numbers for the Irigaray (IR) mine may be found in annual reports previous 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 Christensen Ranch operations. Referenced locations in the following text are shown on specified maps located in the Appendixes.

2. REPORTING PERIOD:
The annual DEQ report period for Permit No. 478 is August 19, 2001 through August 18, 2002. However, to be consistent with past annual reports and to simplify data reporting the actual report period is from July 1, 2001 through June 30, 2002.

3. MINING

a) COGEMA ceased all mining activities on June 23, 2000. Therefore, there were no newly disturbed acres or topsoil stockpiled at the Irigaray or Christensen Ranch 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.

YEARS AFFECTED	ACREAGE
Irigaray Project	
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, 2002	0.00 Acres
Total	**133.10 Acres**
Christensen Ranch Project	
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, 2002	0.00 Acres
Total	**423.86 Acres**
GRAND TOTAL	**556.96 Acres**

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

c) Tabulated topsoil stockpile volumes and dates are provide below.

Stockpile #	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

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

e) A total of 39,415 pounds of uranium as U3O8 were captured from groundwater restoration operations during the report period. Tabulated quantity of uranium recovered to date 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

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

g) No significant environmental problem areas were noted. Two small areas of erosion along road borrow ditches were noted during the DEQ October 16, 2002 inspection. Both areas were repaired with a series of small water settling dikes and seeded. No reportable restoration solution spills occurred during the report period.

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 mapped 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) See a) above.

e) Vegetation cover remains good in the seeded areas. The following 14 photographs provide views of both projects during the spring of 2002, including the vegetation cover in the wellfields.

Groundwater Restoration – Irigaray Project

Groundwater restoration activities were concluded in November 2001, with only the groundwater stabilization monitoring to be completed during 2002. The Irigaray operational staff was reassigned to the Christensen Project in December 2001. The Irigaray facilities were secured with door locks and locking gates at all outer perimeter access points. Security checks are conducted daily. Groundwater Restoration Maps, showing the areas where groundwater restoration is in progress or completed, are located in Appendix 6.

Production Units 1-5

Restoration was completed in Production Units 1 though 3 in 1993, and in Units 4 and 5 in 1999. No further actions have taken place in these wellfields. These units were mined using ammonium bicarbonate lixiviant.

Production Unit 6

The RO filtration and permeate injection (RO) phase was completed in October 2001 and the recirculation phase was completed in November 2001. The nine-month stabilization phase will be completed in August 2002.

Production Unit 7

The RO phase was completed in July 2001 and the recirculation phase was completed in August 2001. The nine-month stabilization phase was completed in May 2002.

Production Unit 8

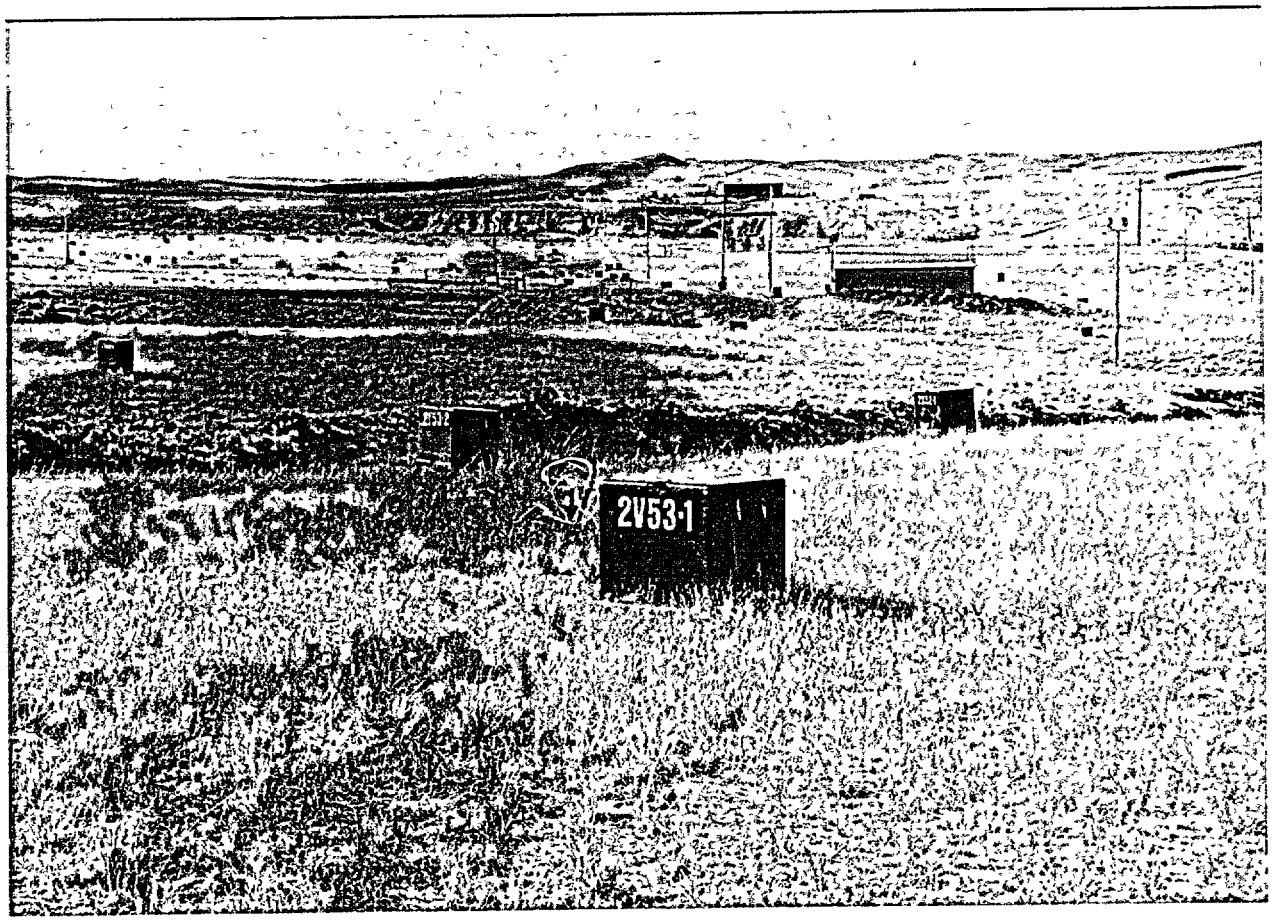
The RO phase was completed in June 2000, the recirculation phase was completed in August 2000, and the stabilization phase was completed in June 2001. No activity occurred in this unit during the report period.

Production Unit 9

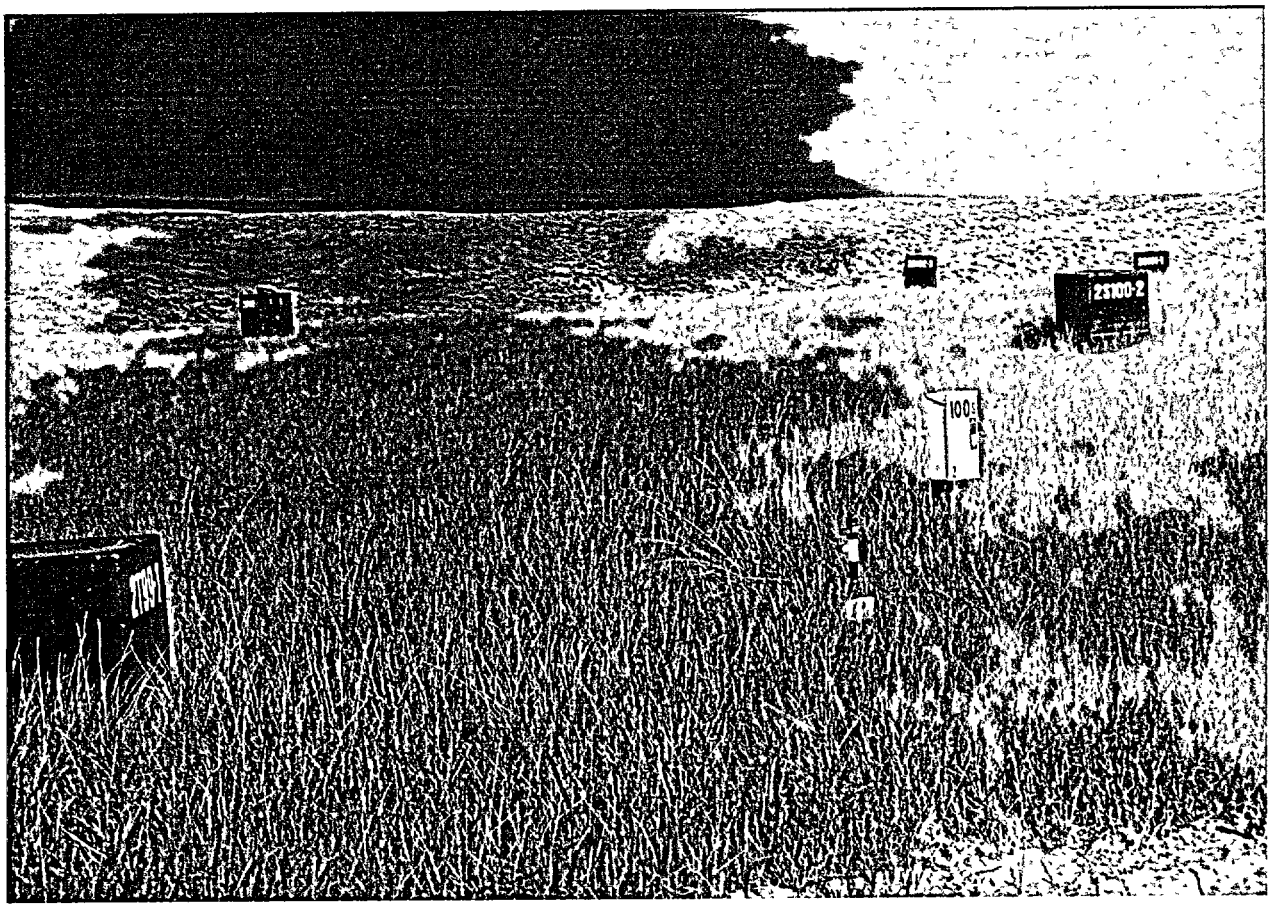
The RO phase was completed in April 2000, the recirculation phase was completed in May 2000, and the stabilization phase was completed in January 2001. No activity occurred in this unit during the report period.

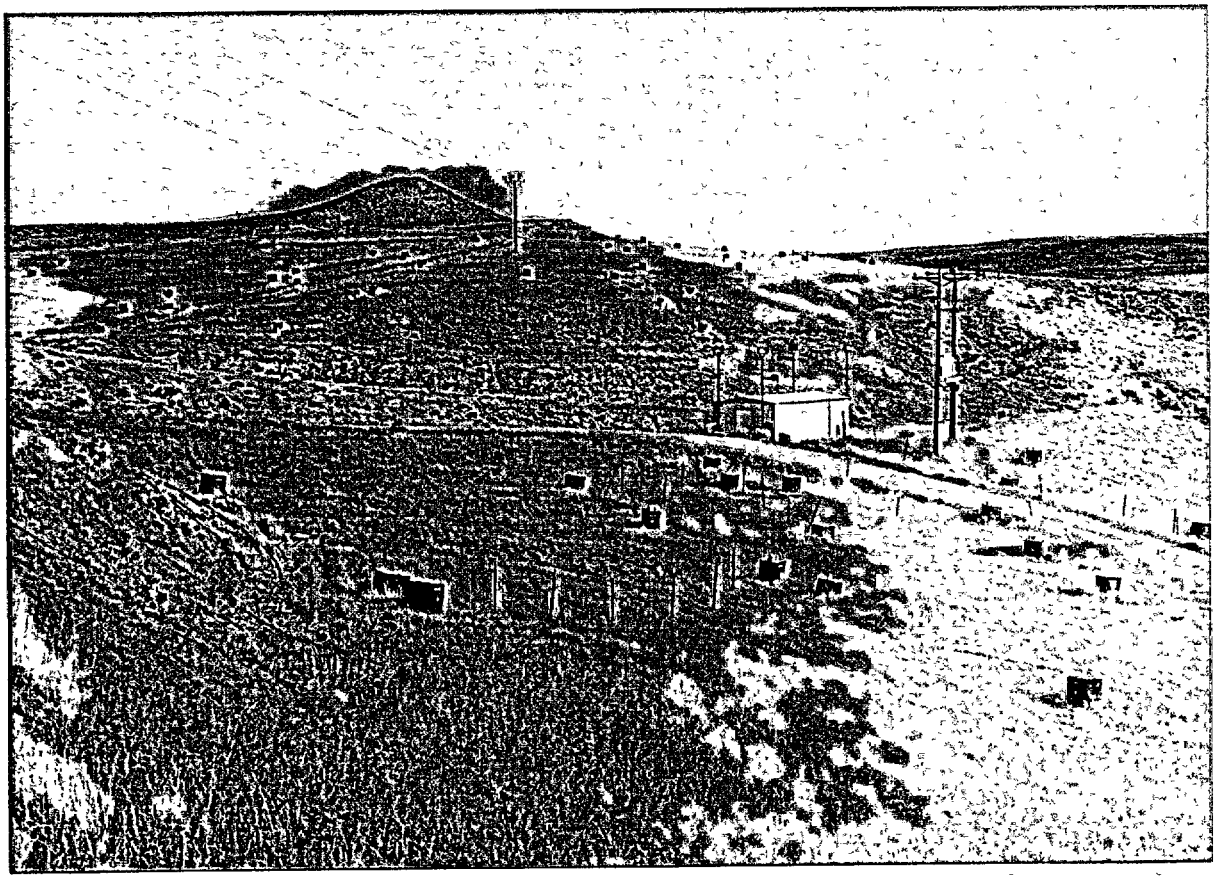
Groundwater Restoration - Christensen Ranch Project

Both the groundwater sweep GWS phase and the RO phases continued during the report period, with a combined flow of 1,000 gpm. Five RO units were used for the RO phase. A sixth RO unit was used to concentrate the brine from the other 5 RO units, prior to disposal into the Class I injection wells. An oxygen scavenging system was installed and started at the Christensen plant in September 2001. Sodium sulfide solution was periodically added to the restoration injection stream at a concentration of 5-10 parts per million.

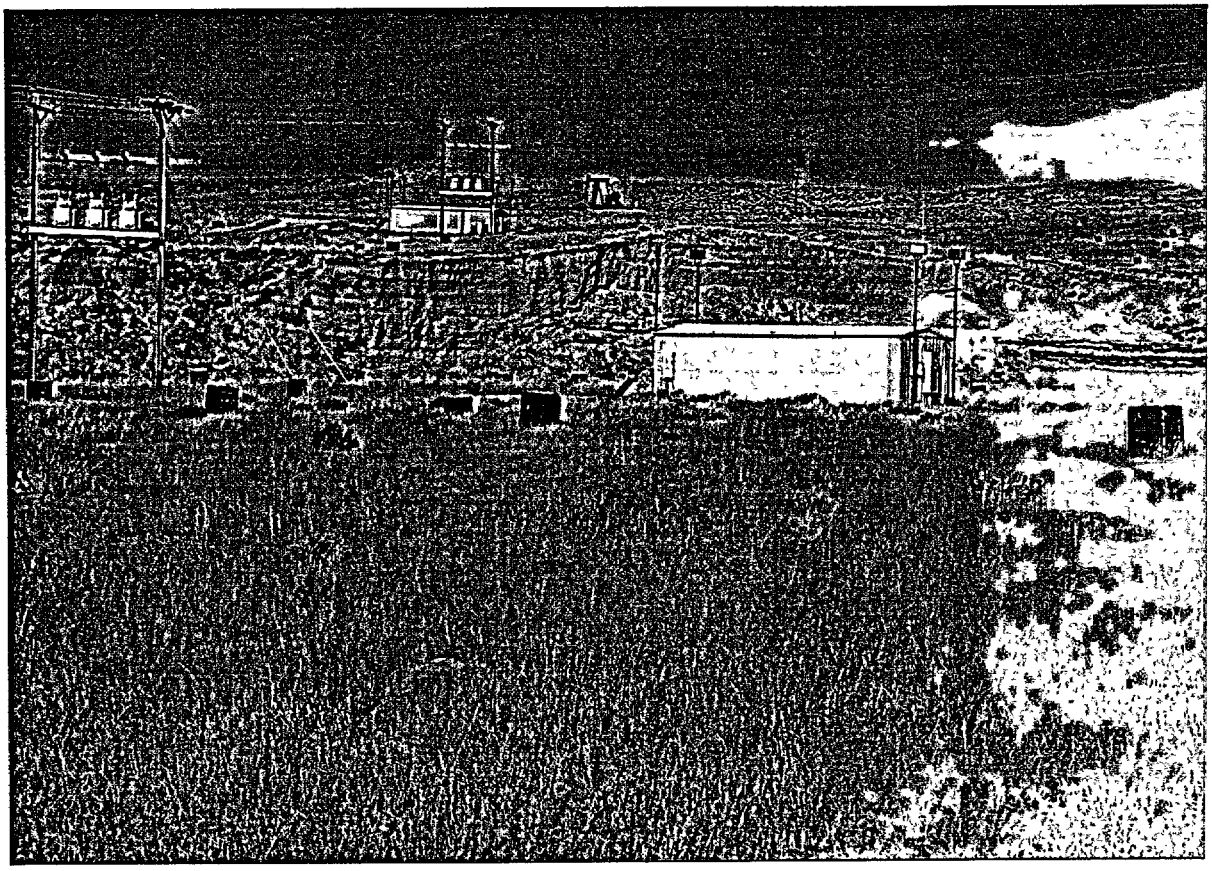


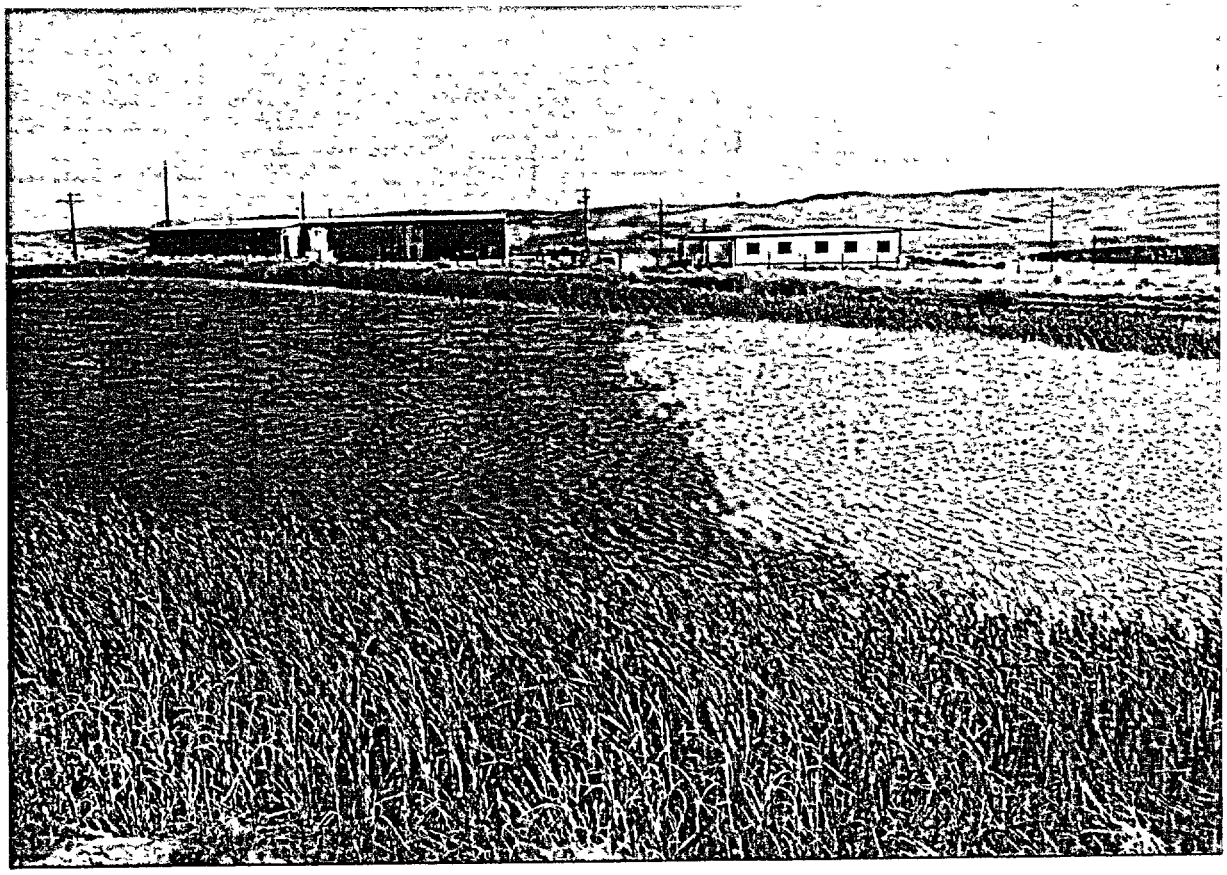
Photographs # 1 & 2
Christensen Ranch Project - Mine Unit 2



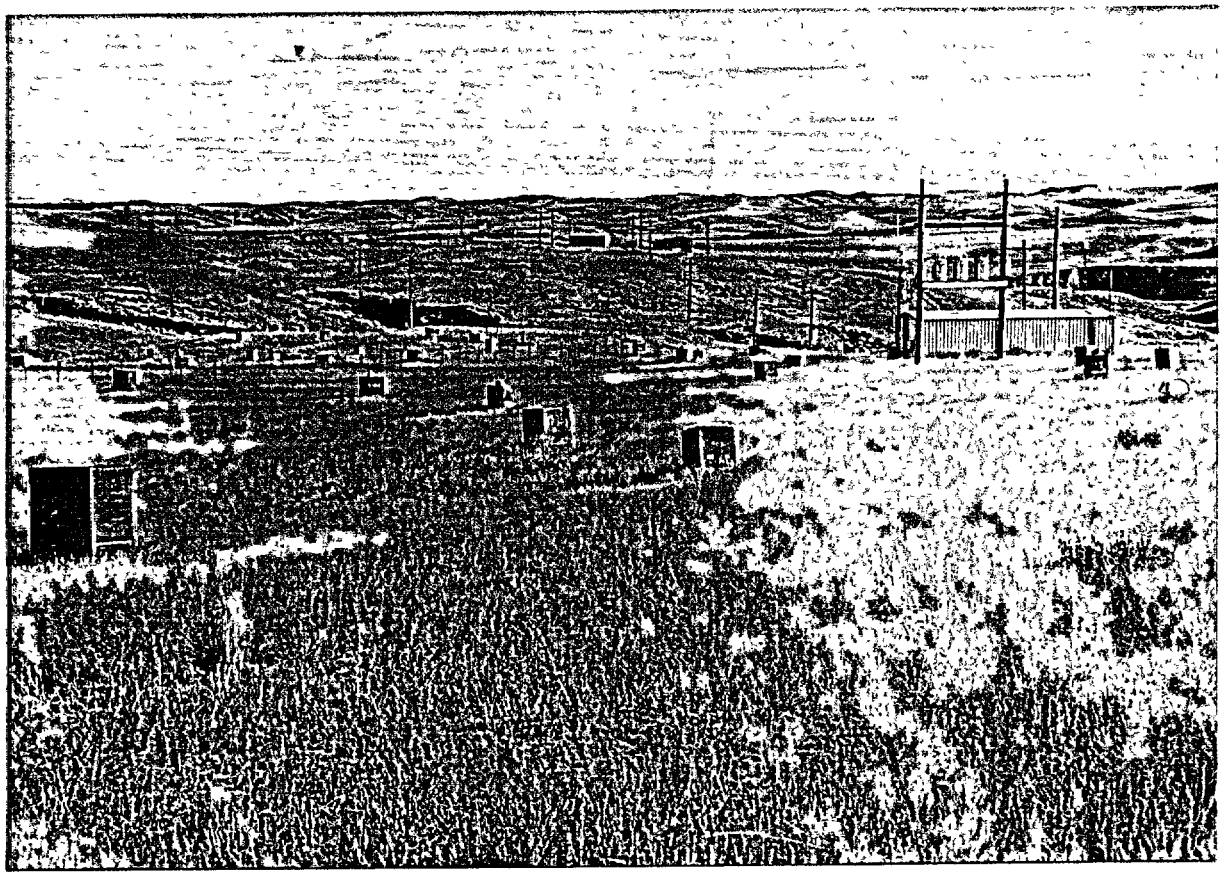


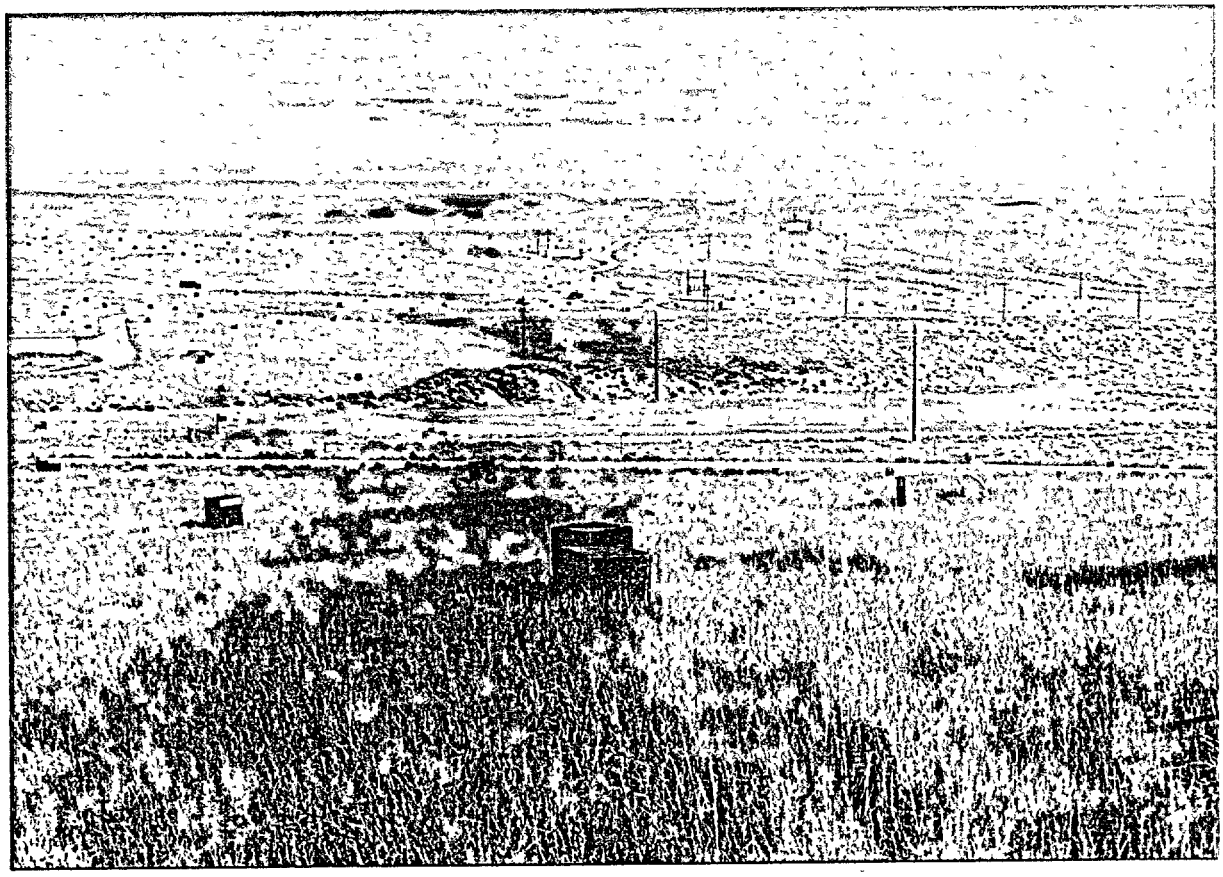
Photographs # 3 & 4
Christensen Ranch Project - Mine Unit 3





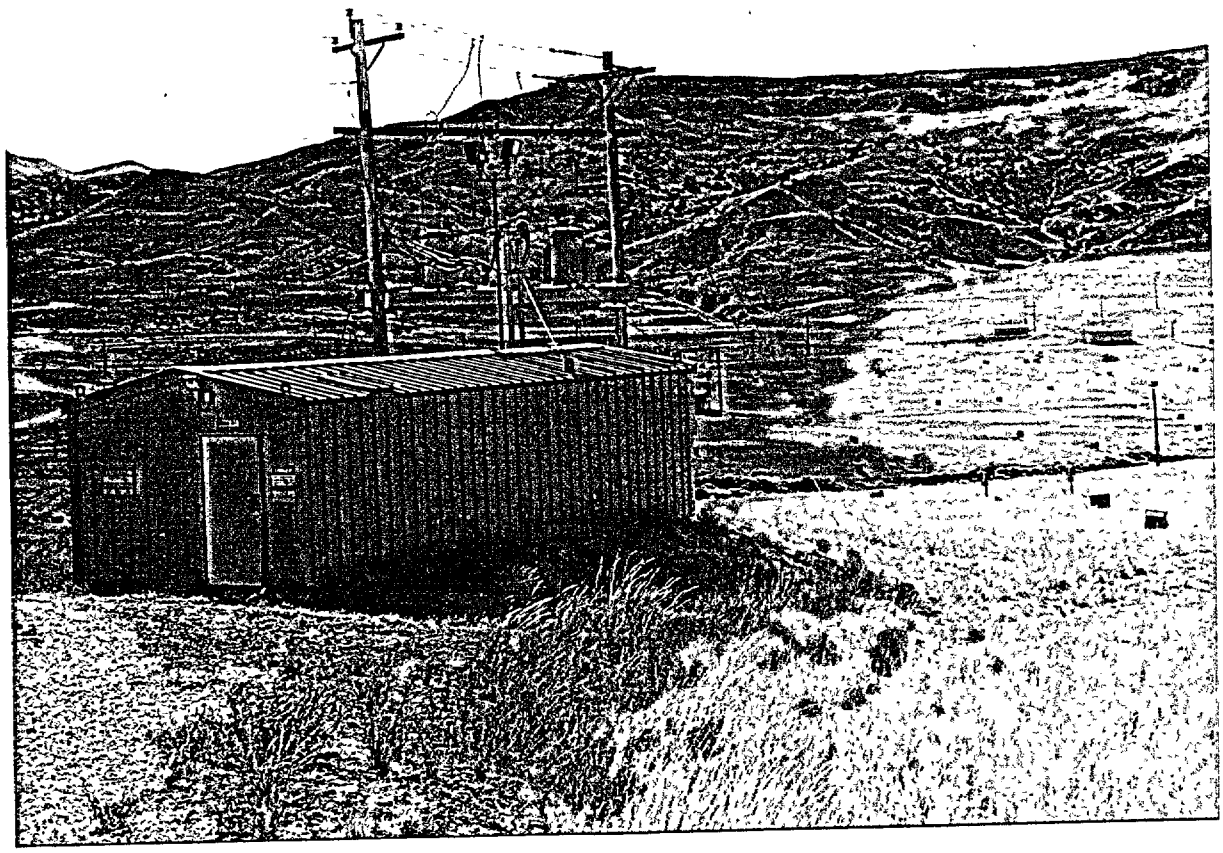
Photograph # 5 Christensen Ranch Project - Permeate Pond, Plant and Office
Photograph # 6 Christensen Ranch Project - Mine Unit 4

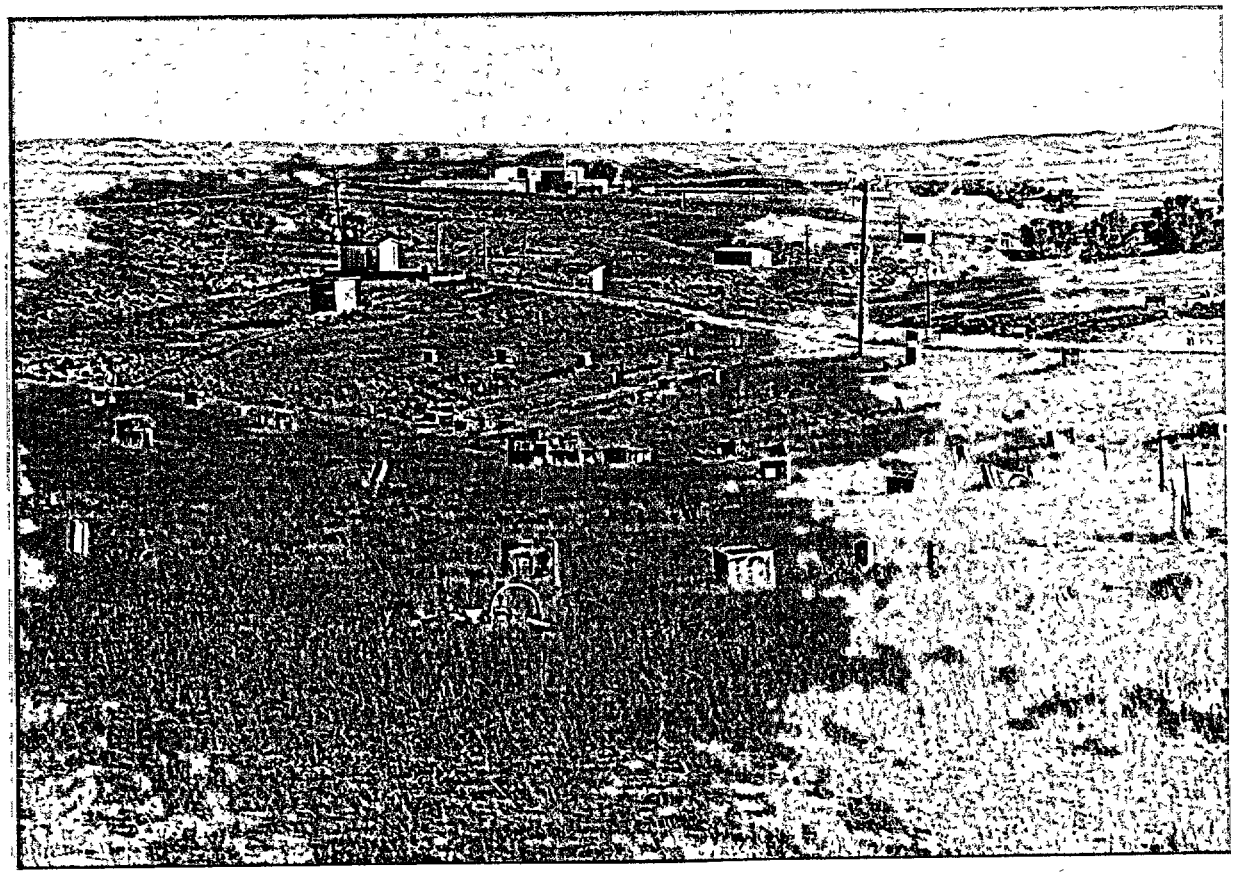




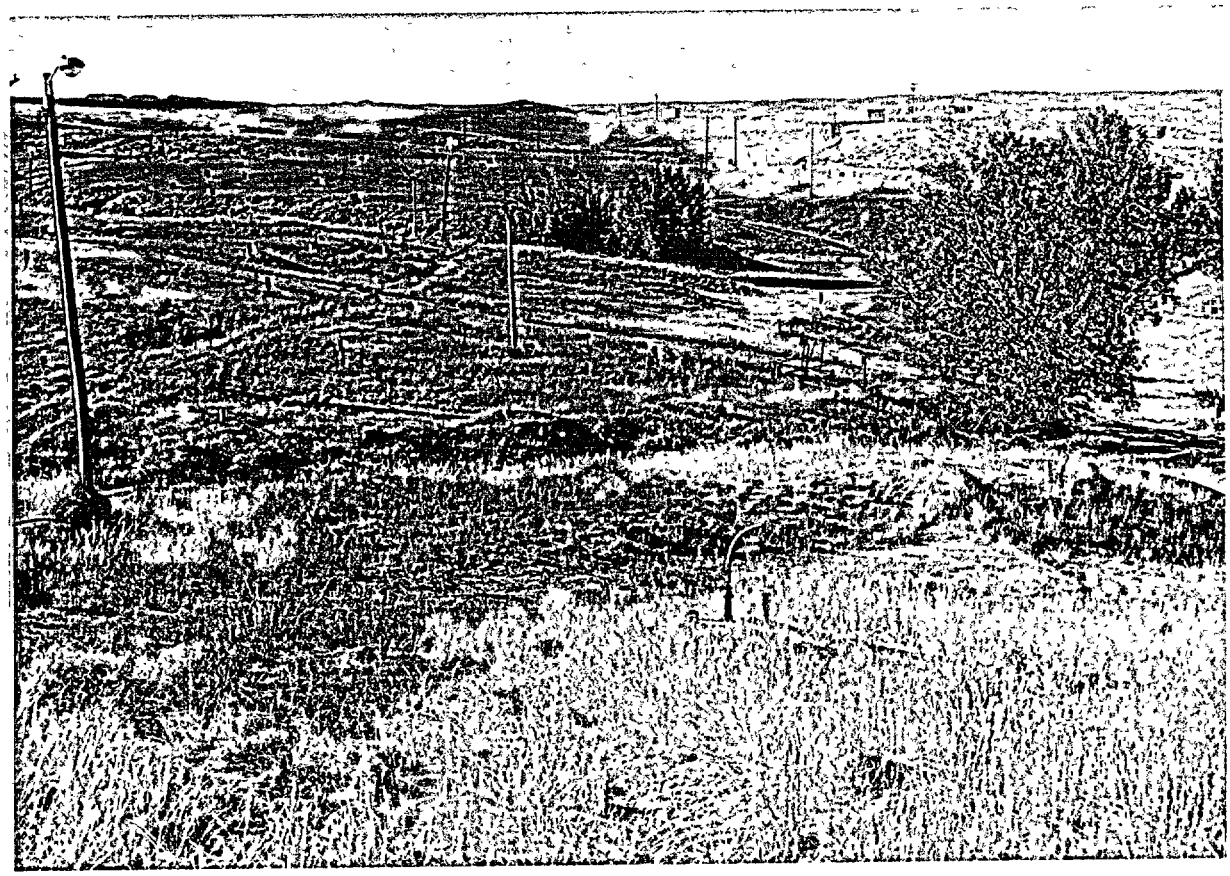
Photographs # 7 & 8
Christensen Ranch Project - Mine Unit 5

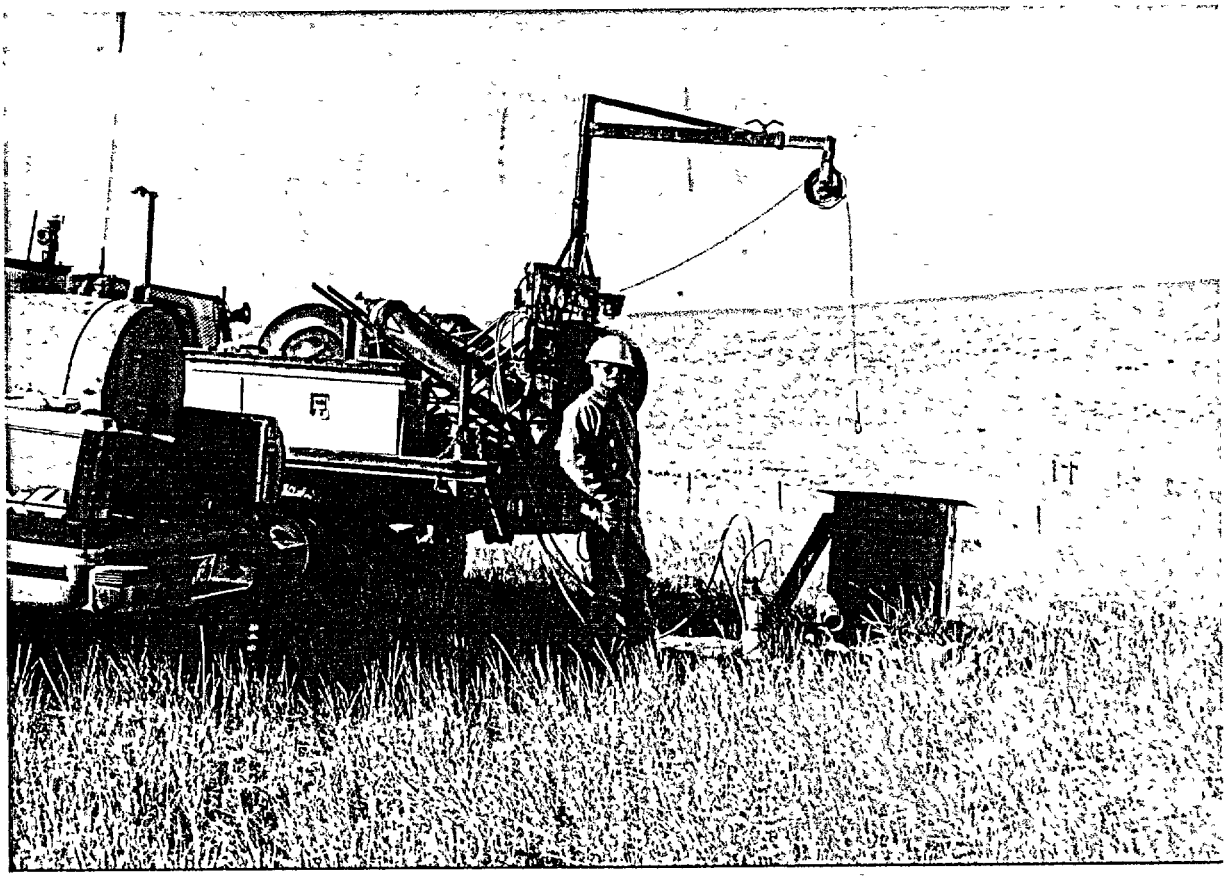
Photographs # 9 & 10
Christensen Ranch Project - Mine Unit 6



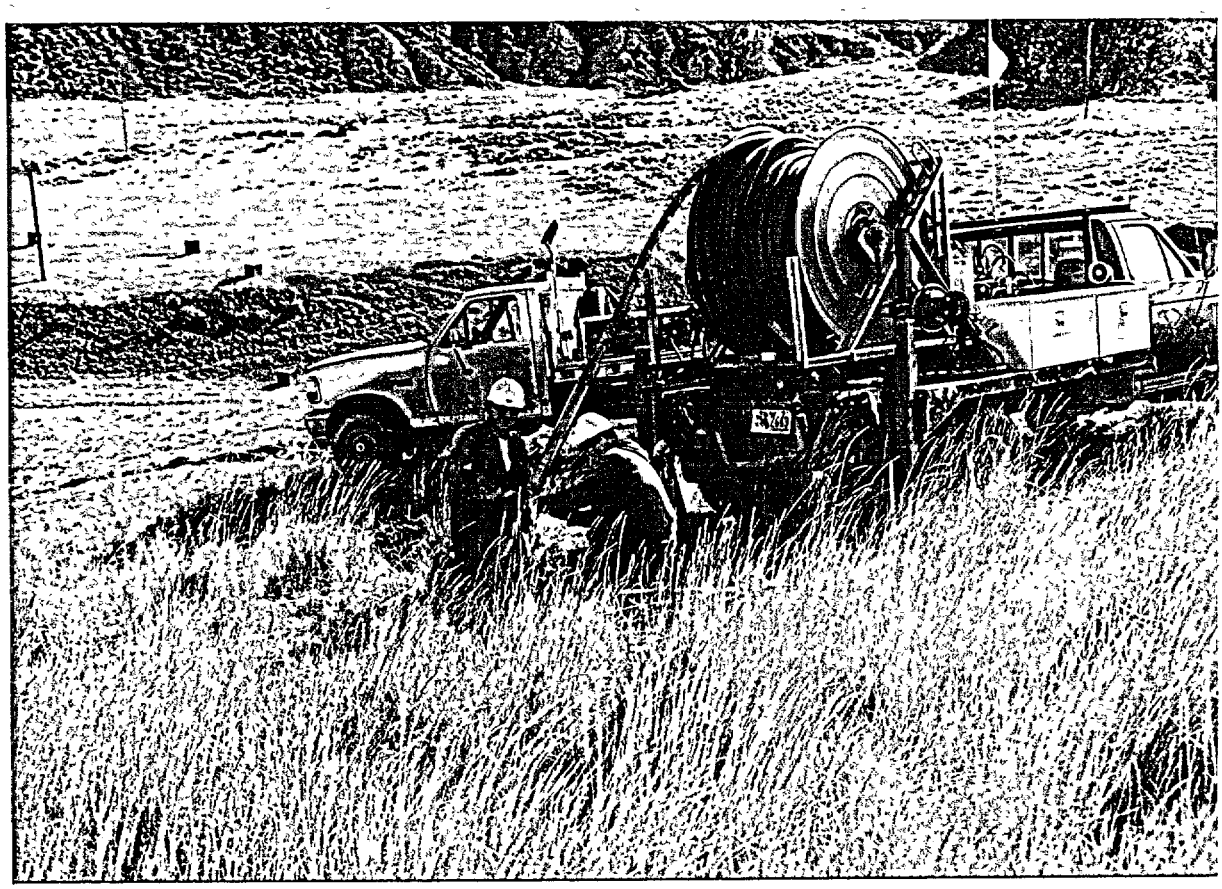


Photograph # 11 Irigaray Project - Production Units 8 & 9 with the plant in background
Photograph # 12 Irigaray Project - Production Units 5, 6 & 7





Photograph # 13 Well Casing Integrity Testing Unit
Photograph # 14 Submersible Pump Pulling Unit



At this concentration, sodium sulfide increases the permeate pH about 1.5 standard units while altering the electrical potential from highly oxidizing to slightly reducing. Groundwater Restoration Maps, showing the areas where groundwater restoration is in progress or completed, are located in Appendix 6.

Mine Unit 2
The RO phase was suspended in March 2002 with a total of 10.8 pore volume displacements (PVD) processed. The next restoration phase (recirculation) has not yet been initiated.

Mine Unit 3
The RO phase began in May 1999 and was suspended in March 2001 until the final wellfield module was activated in October 2001. A total of 15.3 PVD have been processed at the end of the report period.

Mine Unit 4
The RO phase began in June 2001 and is ongoing with a total of 8.5 PVD processed at the end of the report period.

Mine Unit 5
The RO phase began in April 2002 and is ongoing with a total of 2 PVD processed from Module 5-5 at the end of the report period.

Mine Unit 6
The groundwater sweep phase began in September 2000 and is ongoing with a total of 0.73 PVD processed at the end of the report period.

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 AND RESTORATION PLANS FOR THE NEXT REPORT PERIOD

Surface Reclamation
No large-scale surface reclamation is anticipated during the next report period. Final decommissioning and surface reclamation will be accomplished at the 5I7 and USMT test sites and ponds which consist of less than 5 acres. The sites are located at the Irigaray Project in Section 5, T 45N, R 77W and shown on the Irigaray General Location map found in Appendix 5. Wellfield decommissioning may begin at the Irigaray Project in mid 2003 if final groundwater restoration is approved.

Groundwater Restoration
Irigaray Project – The final round of Stability Phase sampling for Irigaray Production Unit 6 is scheduled for August of 2002. This sampling event will mark the completion of the groundwater restoration activities for the Irigaray Project.

Upon receipt of the analysis, a formal request for restoration approval of the entire wellfield area, including Production Units 1 through 9, will be prepared and submitted to the WDEQ.

Christensen Ranch Project – Groundwater restoration via groundwater sweep and RO filtration/permeate injection will continue at a combined recovery flow rate of 1,000 gallons per minute. The RO phase will be completed in Mine Units 2, 3 and 4. The addition of a chemical reductant is anticipated in one or more test areas within these mine units. The nature of the additional groundwater restoration activities in Mine Units 2, 3 and 4 will be determined by the results of the reductant addition test. Mine Unit 5 will continue in the RO phase throughout the next report period. The ground water sweep phase in Mine Unit 6 will be completed during the first quarter of 2003 and then the RO phase will begin.

7. MONITORING ACTIVITIES

a) Groundwater Monitoring - Wellfield Monitor Wells

Groundwater quality at both projects is monitored by routine sampling of 327 monitor or trend wells surrounding or within the wellfields. Sampling frequency varies for these wells. Monitor wells on excursion status are sampled weekly. Monitor wells not on excursion status and the trend wells are sampled monthly until restoration is complete. These wells are then sampled quarterly (every 3 months) during post-restoration stabilization monitoring and thereafter.

Sample data for each monitor and trend well from January 1, 2002 through June 30, 2002 are contained in Appendix 2. Note that data recording errors of water levels occurred during several sampling periods and thus are not available. This includes CR Mine Unit 3 for February, CR Mine Unit 5 for April and CR Mine Unit 4 for June. Corrective measures have been taken to prevent these errors from reoccurring. Sample data from the second half of 2001 were previously submitted in the 2001 Annual Effluent and Monitoring Report submitted February 2002.

Ten monitor wells were reported on excursion status during the report period. Since detailed excursion status reports are submitted monthly to the WDEQ, a summarized list of these wells is given below for reference. Seven of the wells remained on excursion status at the end of the report period, all located at the Irigaray Project.

Interior Shallow Sand Monitor Well SSM3 - Irigaray Production Unit 2
Date of Initial Excursion: August 30,1996

Interior Shallow Sand Monitor Well SSM18 - Irigaray Production Unit 8
Date of Initial Excursion: September 13, 1996

Interior Shallow Sand Monitor Well SSM40 - Irigaray Production Unit 8
Date of Initial Excursion: August 16, 1996

Interior Shallow Sand Monitor Well SSM41 - Irigaray Production Unit 4
Date of Initial Excursion: November 19, 1998

Interior Shallow Sand Monitor Well SSM42 - Irigaray Production Unit 3
Date of Initial Excursion: October 10, 1990

Interior Shallow Sand Monitor Well SSM43 - Irigaray Production Unit 1
Date of Initial Excursion: October 11, 1989

Interior Shallow Sand Monitor Well DM10 - Irigaray Production Unit 6
Date of Initial Excursion: February 2, 1994

Perimeter Ore Zone Monitor Well RS27 - Irigaray Production Unit 5
Date of Initial Excursion: June 6, 2001
Date of Excursion Termination: Nov. 30, 2001

Perimeter Ore Zone Monitor Well M2 - Irigaray Production Unit 2
Date of Initial Excursion: August 15, 2001
Date of Excursion Termination: October 11, 2001

Perimeter Ore Zone Monitor Well 5M66 - Christensen Mine Unit 5
Date of Initial Excursion: August 21, 2001
Date of Excursion Termination: January 15, 2002

Groundwater Monitoring - Regional Ranch Wells

Annual samples were collected in June 2002 from 5 regional ranch wells. Note that two other wells had inoperable pumps and therefore, were not sampled at that time. Once the ranch owner repairs or replaces the pumps, annual samples will be collected. The samples were analyzed for uranium along with four other radionuclides in its decay chain. The resulting concentrations were mostly not detectable, with the remaining concentrations within normal historical ranges. 2002 sample data are contained in Table 1 of Appendix 1. Sample data from the second half of 2001 were previously submitted in the 2001 Annual Effluent and Monitoring Report submitted February 2002.

Underground Injection Wells

Two Class I injection wells are installed at the Christensen Ranch Project and are licensed by the WDEQ Permit Number UIC 00-340 for industrial wastes. A total of 40,792,524 gallons of restoration water were injected into disposal well COGEMA DW No.1 and 33,129,761 gallons were injected into disposal well Christensen 18-3, during the report period. Quarterly reports for both wells are submitted to the WDEQ-WQD in Cheyenne. No exceedance of the permit limits were recorded for flow, pressure or water quality.

b) Surface Water Monitoring

Willow Creek is an intermittent stream which is present within the permit boundary of both the Irigaray and Christensen Ranch Projects. Three sample locations are designated at each site; upstream, downstream and within the permit boundary. Annual samples were collected in June 2002 from the locations where flow was available. An annual sample of Powder River was also collected downstream from its confluence with Willow Creek .

The samples were analyzed for both radionuclide and chemical parameters. The resulting radionuclide concentrations were mostly not detectable, with the remaining concentrations within historical ranges. The chemical parameters were also within historical ranges. 2002 sample data are contained in Table 2 of Appendix 1. Sample data from the second half of 2001 were previously submitted in the 2001 Annual Effluent and Monitoring Report submitted February 2002.

Surface Discharge Monitoring

A surface discharge outfall was used at each project for disposal of treated groundwater generated by restoration activities. The outfalls are licensed by the U.S. Environmental Protection Agency under National Pollutant Discharge Elimination System (NPDES) permits, issued by the WDEQ. A total of 3,062,083 gallons of water were discharged at the Irigaray Project (Permit No. WY0028801, Discharge 001) and 30,793,189 gallons from the Christensen Ranch Project (Permit No. WY0033642, discharge 002), during the report period. Note that the Irigaray discharge was shut down in October 2001.

Routine sampling is conducted on a weekly, monthly and quarterly basis as designated by the NPDES permits. No NPDES permit limits were exceeded during the report period. In addition, quarterly samples are also analyzed for radionuclide activity (Uranium, Radium-226, Thorium-230, Polonium-210 and Lead-210) and compared to the Nuclear Regulatory Commission's (NRC), 10 CRF 20, Appendix B effluent limits. The January 2002 Christensen discharge sample exceeded the NRC effluent limit (1 E-8 uCi/ml) for Lead-210. However, the average Lead-210 concentration from the four quarterly samples during the report period is 8.5 E-9 uCi/ml, which is below the limit. Note that Lead-210 is a decay product of radon gas in the discharge water. Exceedance of the NRC Lead-210 effluent limit has been occasionally noted during the past few years. By letter dated July 31, 2001, COGEMA responded to the NRC's request to demonstrate if the surface discharge of restoration fluid complies with the NRC public dose limit in 10 CFR 20.1301 for all five of the radionuclides. The report stated "In summary, COGEMA contends that the restoration effluent discharged at Irigaray and Christensen will not cause an exceedance of the public dose limit in 10 CFR 20.1301, when realistic scenarios are considered".

2002 sample data are contained in Table 3 of Appendix 1. Sample data from the second half of 2001 were previously submitted in the 2001 Annual Effluent and Monitoring Report submitted February 2002.

Evaporation Ponds Monitoring

Weekly inspections are conducted on 12 evaporation ponds (7 at IR and 5 at CR). No leaks, or embankment problems were noted. 2002 sample data are contained in Table 4 of Appendix 1. Sample data from the second half of 2001 were previously submitted in the 2001 Annual Effluent and Monitoring Report submitted February 2002.

c) through 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 monitoring locations discussed in this section are located in Appendix 5.

8. RECLAMATION PERFORMANCE BOND ESTIMATE

An updated reclamation/restoration bond estimate for August 2002 through August 2003 is provided in Appendix 3. Changes that have been made consist of work completed during the report period and are fairly simple compared to last year's total update of all costs. The changes affected three bond worksheets and Table 1 (summary) as described below.

Worksheet 1 – Groundwater Restoration

The first phase of restoration, one pore volume displacement of groundwater sweep, has been completed for all of the Irigaray wellfields, as well as Mine Units 2, 3, 4 and 5 at Christensen. In fact, all phases of restoration have been completed at Irigaray and final stabilization monitoring will be completed in the last wellfield in August 2002. 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. We are therefore requesting that the dollars for groundwater sweep be deleted from the Irigaray and Christensen Units 2, 3, 4 and 5 restoration bond amount as this work has been accomplished. This is a bond reduction of $277,623.

An additional year of labor has been expended for the groundwater restoration since last year's bond estimate. This brings the remaining labor for restoration down from 3.6 years to 2.6 years. This is a bond reduction of $351,520.

Worksheet 4 – Pond Reclamation

Reclamation of the 5I7 ponds has progressed through radiation surveys, soil sampling and removal of the leak detection systems. In Worksheet 4, the dollars for radiation surveys for the 5I7 ponds ($1,055) have been removed. Additionally, $44,984 had been included for the removal of Pond 1 leak detection system and transportation to Shirley Basin for disposal. This was due to a prior leak in the pond and the assumption that contamination may be found under the pond. The result of the radiation surveys, however, showed that the area within the leak detection system was not contaminated in Pond I, nor in any of the other 5I7 ponds, and the systems have been removed. Accordingly, the $44,984 in the bond for Pond 1 leak detection system removal can be deleted.

Worksheet 5 – Well Plugging and Abandonment

At Irigaray, a total of 14 wells were plugged and abandoned at the 5I7 site (13 wellfield wells and 1 monitor well). Accordingly, Worksheet 5 has been adjusted by reducing the number of wells at the 5I7/USMT site to 11, and monitor/trend wells to 314. This provides a total reduction for the Irigaray site of $2,614, bringing the Irigaray sub-total to $259,317.

At Christensen, a total of 32 injection and recovery wells were plugged and abandoned as a result of MIT failures. This provides a reduction for the Christensen site of $6,346 bringing the Christensen sub-total to $500,954. The grand total for well plugging and abandonment is now $760,271, a reduction of $8,960.

Table 1 – Summary of Reclamation/Restoration Bond Estimate 2002 – 2003
As a result of the above changes to Worksheets 1, 4 and 5, changes to Table 1 have been made. The new subtotal for restoration and reclamation is $9,408,962, or a $684,142 reduction in direct costs. A +1.35% adjustment for inflation from last year has been added (CPI base of August 2001 = 177.5 and current CPI for June 2002 = 179.5). Additionally, the 34.5% contingency remains unchanged to provide a new Grand Total restoration and reclamation cost of $12,825,898. This is an overall $749,326 reduction from last year's 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 the 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 & 2 of the 1996 Permit No. 478 Update application.

1) General Location Maps, showing the locations of monitor wells and wellfields in conjunction with past mining activities, are located in Appendix 5. Groundwater Restoration Maps, showing the areas where groundwater restoration is in progress or completed, are located in Appendix 6.

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

	Gallons Recovered	Gallons Injected
Irigaray:	36,133,000	19,831,000
Christensen Ranch:	538,613,000	391,549,000

2002 monthly groundwater restoration volume data for the Christensen Ranch are listed in Table 5 of Appendix 1. Note that no restoration volume data is given for Irigaray since restoration activities ceased in October 2001. Restoration volume data from the second half of 2001 were previously submitted in the 2001 Annual Effluent and Monitoring Report submitted February 2002.

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

4) Piezometric maps of the monitored aquifers for the Irigaray and Christensen Ranch Projects are included in Appendix 7. These include the Irigaray ore zone, shallow zone, deep zone and coal zone, as well as the Christensen ore zone, shallow zone and deep zone. The maps were constructed using water levels from monitor wells, and production wells where applicable, obtained during February or March 2002.

5) Well integrity testing results are reported to the WDEQ by phone on a quarterly basis. A total of 413 wells were tested during the report period. Twenty-four of these wells failed testing and were either plugged and abandoned, or left inactive until they are repaired and re-tested.

A list of the 16 wells tested for the first half of 2002 is given in Appendix 4. Note that the 6 failed wells (2Q114-1, 2S115-3, 2R113-1, 2S113-1, 2S111-2 and 2Q111-1) are all injection wells located together in CR wellfield module 2-4. These wells were found to all have shallow leaks during an investigation conducted in January 2002. The investigation began when a routine sample from interior shallow monitor well MW112S showed a decrease in conductivity, alkalinity and pH, which indicated a possibility for fresh/clean water being introduced to the well. It was then noted that these 6 injection wells had all shown recent flow increases and were located near MW112S. Therefore, they were shut down and integrity testing was attempted, however, none of these 6 wells could hold water resulting in failed tests. Down hole camera viewing of these 6 injection wells and monitor well MW112S showed shallow casing joint separations or leaks between 16 and 36 feet, well above the static water table. Twelve other wells in the surrounding area were also viewed and appeared to be in good condition. It was then determined that the well failures were not an environmental problem since Mine Unit 2 was undergoing the RO phase of groundwater restoration at the time, and only RO permeate (clean water) was injected. Corrective action consisted of temporarily shutting down the wellfield area surrounding MW112S. Currently all of Mine Unit 2 is shut down pending an evaluation of its restoration status. The investigation concluded that the well failures may have resulted from subsurface movement around MW112S, which separated the well casings at shallow depths. All 6 failed injection wells will be plugged and abandoned unless they are needed for further groundwater restoration, at which point they will be repaired and re-tested.

Integrity testing results (397 wells) from the second half of 2001 were previously submitted in the 2001 Annual Effluent and Monitoring Report submitted February 2002.

10. DRILL HOLES AND ABANDONED WELLS

No drill holes were installed or abandoned for exploration or mine expansion purposes. A total of 46 wells were plugged and abandoned during the report period. An abandonment summary of these wells was sent to both the Wyoming DEQ and the State Engineer's office in July 2002.

Table 1

COGEMA Mining, Inc. - Irigaray and Christensen Ranch Projects
2002 Annual Report
Sample Type: Regional Groundwater (ranch wells) - Annual Samples

Sample Location: Christensen Ranch House #3

Radionuclide	June 18, 2002 (uCi/ml)
Uranium	16.5 E-9
Thorium-230	< 0.2 E-9
Radium-226	0.7 +/- 0.2 E-9
Lead-210	< 2.7 E-9
Polonium-210	< 2.7 E-9

Sample Location: Christensen Middle Artesian

Radionuclide	June 18, 2002 (uCi/ml)
Uranium	2.1 E-9
Thorium-230	< 0 2 E-9
Radium-226	< 0 2 E-9
Lead-210	< 2.7 E-9
Polonium-210	< 2.7 E-9

Sample Location: Christensen Ellendale #4

Radionuclide	June 18, 2002 (uCi/ml)
Uranium	1.1 E-9
Thorium-230	< 0 2 E-9
Radium-226	< 0 2 E-9
Lead-210	< 2.7 E-9
Polonium-210	< 2.7 E-9

Sample Location: Christensen Del Gulch Lower #13

Radionuclide	June 18, 2002 (uCi/ml)
Uranium	2 8 E-9
Thorium-230	< 0.2 E-9
Radium-226	< 0.2 E-9
Lead-210	< 2.7 E-9
Polonium-210	< 2 7 E-9

Sample Location: Christensen Willow Corral #32

Radionuclide	June 18, 2002 (uCi/ml)
Uranium	Not Available
Thorium-230	Pump Down
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Christensen First Artesian Well #1

Radionuclide	June 18, 2002 (uCi/ml)
Uranium	Not Available
Thorium-230	Pump Down
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Irigaray Willow # 2

Radionuclide	June 18, 2002 (uCi/ml)
Uranium	< 0 2 E-9
Thorium-230	< 0 2 E-9
Radium-226	< 0.2 E-9
Lead-210	< 2.7 E-9
Polonium-210	< 2 7 E-9

LLD (uCi/ml)	
0 2 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

J \EXEL\A-TABLES\G-WATER

TABLE 2 (Page 1 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects
2002 Annual Report
Sample Type: Surface Water, Annual Samples, June 18, 2002
Sample Location: Irigaray Project

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	3.0 E-8	2.8 E-8	8.03 E-9	0.2 E-9	3.0 E-07
Thorium-230	no flow	< 0.2 E-9	1.1 E-9 +/- 0.7	1.3 E-9 +/- 0.6	0.2 E-9	1.0 E-07
Radium-226		< 0.2 E-9	< 0.2 E-9	0.6 E-9 +/- 0.2	0.2 E-9	6.0 E-08
Lead-210		< 2.7 E-9	< 2.7 E-9	< 2.7 E-9	2.7 E-9	1.0 E-08
Polonium-210		< 2.7 E-9	3.6 E-9 +/- 1.8	< 2.7 E-9	2.7 E-9	4.0 E-08
Chemical Parameters					(mg/l)	
Total Alkalinity		59	173	215	1	N/A
Chloride		60	46	716	1	N/A
TDS		5020	3990	3570	2	N/A
Specific Conductivity		5550	4400	5050	1	N/A
Sulfate		3310	2360	1440	1	N/A
pH		8.7	7.9	8.2	0.01	N/A
Arsenic		0.003	0.001	0.003	0.001	N/A
Selenium		0.003	0.002	0.009	0.001	N/A
Estimated Flow Rate:	no flow	Low	Low	Medium		

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

J:\EXCEL\A-TABLES\S-WATER

TABLE 2 (Page 2 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects
2002 Annual Report
Sample Type: Surface Water, Annual Samples, June 18, 2002
Sample Location: Christensen Ranch Project

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)	1.1 E-7	6.8 E-9	1.5 E-8	0.2 E-9	3.0 E-07
Thorium-230	< 0.2 E-9	< 0.2 E-9	< 0.2 E-9	0.2 E-9	1.0 E-07
Radium-226	0.7 E-9 +/- 0.2	0.5 E-9 +/- 0.2	0.7 E-9 +/- 0.2	0.2 E-9	6.0 E-08
Lead-210	< 2.7 E-9	< 2.7 E-9	< 2.7 E-9	2.7 E-9	1.0 E-08
Polonium-210	< 2.7 E-9	< 2.7 E-9	< 2.7 E-9	2.7 E-9	4.0 E-08
Chemical Parameters				(mg/l)	
Total Alkalinity	334	352	201	1	N/A
Chloride	136	< 1	3	1	N/A
TDS	6950	2830	811	2	N/A
Specific Conductivity	7430	3260	1150	1	N/A
Sulfate	4290	1650	391	1	N/A
pH	7.9	7.9	8.2	0.01	N/A
Arsenic	0.003	0.002	0.001	0.001	N/A
Selenium	0.005	0.002	0.006	0.001	N/A
Estimated Flow Rate:	Low	Low	Low		

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

J:\EXCEL\A-TABLES\S-WATER

TABLE 3

COGEMA Mining, Inc. – Irigaray and Christensen Ranch Projects
2002 Annual Report
Sample Type: Surface Discharge Water
Sample Location: Christensen Ranch Project, Discharge # 002 (Permit # WY0033642)

Year 2002	January	February	March	April	May	June	July	August	September	October	November	December	Discharge Limits Average	Discharge Limits Maximum
Flow (MGD) average	0 079	0.051	0 053	0 053	0 085	0 070							0.45	NA
Total Uranium as U (mg/l) monthly sample	0 0006	0 0024	0 0003	0 0004	0.0009	0 0010							2	4
Dissolved Radium-226 (pCi/l) monthly sample	< 0.2	< 0 2	< 0.2	0 3	< 0 2	< 0 2							3	10
Total Radium-226 (pCi/l) monthly sample	< 0 2	< 0 2	< 0 2	< 0 2	< 0.2	< 0 2							10	30
Total Suspended Solids (mg/l) weekly samples maximum	< 1	< 1	< 1	2	1.8	2							20	30
Chemical Oxygen Demand (mg/l) quarterly sample	19	NA	NA	6	NA	NA							100	200
Total Zinc (mg/l) quarterly sample	0 003	NA	NA	, 0 001	NA	NA							0.5	1 0
pH (units) minimum weekly samples maximum	6 6 7.5	6.5 7.1	6.7 7.1	6 4 7.2	6 8 7 6	6 9 7 2							6 0 minimum	9 0
Selenium (mg/l) quarterly sample	0.003	NA	NA	0 003	NA	NA							0.05	0.1
Total Uranium (uCi/ml) quarterly sample	0.4 E-9	NA	NA	0 3 E-9	NA	NA							3E-07*	
Total Radium 226 (uCi/ml) quarterly sample	< 0.2 E-9	NA	NA	< 0 2 E-9	NA	NA							6E-08*	
Total Thorium-230 (uCi/ml) quarterly sample	< 0.2 E-9	NA	NA	< 0 2 E-9	NA	NA							1E-07*	
Total Lead-210 (uCi/ml) quarterly sample	1.6 E-8 +/- 0 26	NA	NA	< 2.7 E-9	NA	NA							1E-08*	
Total Polonium-210 (uCi/ml) quarterly sample	< 2.7 E-9	NA	NA	< 2.7 E-9	NA	NA							4E-08*	

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

TABLE 4

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects
2002 Annual Report
Sample Type: Waste Ponds (quarterly)
Sample Date: June 13, 2002 Note: No winter sample due to frozen ponds

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)	21,700	23,000	22,700	23,100
Chloride (mg/l)	81,100	73,600	171,000	180,000
NH4 as N (mg/l)	3.3	1.8	20.3	3.1
NO3 & NO2 as N (mg/l)	< 0.1	< 0.1	1.16	0.12
TDS (mg/l)	291,000	242,000	300,000	337,000
Conductivity	394,000	336,000	444,000	450,000
pH	8.5	8.8	8.2	8.4
Zinc (mg/l)	< 0.01	< 0.01	< 0.01	< 0.01
Uranium (mg/l)	73.4	223	36.3	89.9
Radium 226 (pCi/l)	24.6	40	25.2	57.7

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)	18,200	14,000	10,900	< 1.0
Chloride (mg/l)	148,000	3,490	4,080	< 1.0
NH4 as N (mg/l)	1.6	0.86	0.2	< 0.05
NO3 & NO2 as N (mg/l)	0.15	< 0.1	< 0.1	< 0.1
TDS (mg/l)	278,000	28,700	28,100	34
Conductivity	374,000	31,300	32,300	58
pH	8.5	8.5	9.3	7.2
Zinc (mg/l)	< 0.01	< 0.01	< 0.01	< 0.01
Uranium (mg/l)	120	28.6	39.3	0.006
Radium 226 (pCi/l)	307	< 0.2	< 0.2	< 0.2

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	961	4,910	3,550	3,640
Chloride (mg/l)	919	712	375	380
NH4 as N (mg/l)	0.1	0.11	0.09	0.06
NO3 & NO2 as N (mg/l)	< 0.1	< 0.1	< 0.1	< 0.1
TDS (mg/l)	3,440	10,800	8,140	8,280
Conductivity	5,080	13,100	10,200	10,600
pH	8.6	9.2	9	9.1
Zinc (mg/l)	< 0.01	< 0.01	< 0.01	< 0.01
Uranium (mg/l)	25	1.6	3.9	4.55
Radium 226 (pCi/l)	69.7	< 0.2	24.9	15

J:\EXCEL\A-TABLES\PONDS

TABLE 5

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects
2002 Annual Report

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

Year 2002 Month	Gallons Injected In thousands	Gallons Recovered In thousands	Average Recovery Flow Rate (gpm)
January	31,492	41,276	1,024
February	30,754	41,424	1,027
March	38,938	50,694	1,007
April	31,169	40,350	1,001
May	30,726	41,098	1,024
June	36,546	49,802	988
July			
August			
September			
October			
November			
December			
	199,625 Total	**264,644 Total**	**1,012 6 month average**

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	5SW5	Mine Unit 5	256
MW54S	Mine Unit 3	235	5SW6	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

Perimeter Ore Zone Monitor Wells

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. M2

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	16 0	787 *	88 1	8 5		4286.3
20 MAY 2002	15 9	808 *	90 1	8 6		4291 8

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M2

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

W' 'l I.D. M4

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	10 6	1057	81 3	8 4		4297 5
20 MAY 2002	10 8	1095 *	83 2	8 4		4303 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M4

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 1

Well I.D. M7

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	11 9	1942 *	100 5	7 9		4291 8
20 MAY 2002	11 5	1946 *	96 5	8 0		4303 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

M7

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 4

W[illegible] I.D. M10

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	16 0	638	114 1	8 6		4290 2
20 MAY 2002	14 1	630	108 5	8 7		4292.1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

M10

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 1

Well I.D. M17

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	10 1	641	90 0	8 5		4293 1
20 MAY 2002	9 5	649	87 2	8 7		4297 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M17

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 1

W[illegible] I.D. M18

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	10 8	1387 *	87 3	8 1		4298 0
20 MAY 2002	10 9	1293 *	87 4	8 2		4303 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M18

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. M19

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	11 0	627	90 3	8 6		4288 0
20 MAY 2002	10 8	637	90 5	8 6		4303 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M19

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

I.D. M23

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	11 1	617	91 4	8 7		4300 9
20 MAY 2002	11 1	609	95 9	8 8		4307 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M23

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 6

Well I.D. M24

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	10 3	551	102 3	8 8		4300 5
22 MAY 2002	9 5	535	105 1	8 8		4306 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M24

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 6

I.D. M25

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	11 4	598	94 8	8 6		4293 2
22 MAY 2002	10 6	595	92 6	8 7		4297 5

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

M25

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 7

Well I.D. M26

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	10 3	562	97 0	8 7		4298 2
04 JUN 2002	10 4	562	100 2	8 7		4305 3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M26

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 7

I.D. M27

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	11 6	600	96 1	8 5		4294 6
04 JUN 2002	11 2	600	98 3	8 4		4301 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M27

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 8

Well I.D. M28

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 7	611	94 5	8 6		4302 1
29 APR 2002	11 4	615	99 0	8 6		4309 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M28

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 8

W I.D. M29

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 4	596	93 7	8 6		4296 7
29 APR 2002	11 0	610	98 2	8 6		4306.3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M29

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 9

Well I.D. M30

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 6	612	94 0	8 6		4305 6
29 APR 2002	11 2	623	96 5	8 6		4312 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M30

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 9

W' "I.D. M31

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 8	613	96 2	8 6		4301 9
29 APR 2002	12 3	625	106 7	8 6		4308 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

M31

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 9

Well I.D. M32

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 1	612	91 0	8 0		4307 6
29 APR 2002	11 3	623	99 3	8 6		4314 5

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

M32

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 9

W[illegible] I.D. M33

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 7	600	97 2	8 6		4301 1
29 APR 2002	11 7	611	102 7	8 5		4308 1

* Values Exceed Upper Control Limit

[1]Negative U3O8 Grades Indicate Less Than Detection Limit.

M33

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 1

Well I.D. T31

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	15 7	704	88 8	8 5		4285 4
20 MAY 2002	15 1	702	89 1	8 6		4290 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

T31

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 5

W" "I.D. RS27

2002, First Half

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.9	646	101.2			
Date						
11 FEB 2002	11 9	679 *	97 9	8 4		4294 4
20 MAY 2002	11 8	668 *	98 7	8 5		4299 8

* Values Exceed Upper Control Limit

[1]Negative U3O8 Grades Indicate Less Than Detection Limit.

RS27

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 9

Well I.D. 16-151

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 3	587	91 0	8 6		4305 7
29 APR 2002	11 2	601	96 0	8 6		4312 5

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

16-151

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

2002, First Half

Water Quality Parameters	Chloride		Specific 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							
26 FEB 2002	24 2	*	2031	110 1	7 9		4305 7
10 JUN 2002	24 3	*	2011	110 9	7 9		4306 9

* Values Exceed Upper Control Limit

Negative U_3O_8 Grades Indicate Less Than Detection Limit

SSM2

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 2

Well I.D. SSM3

2002, First Half

Water Quality Parameters	Chloride		Specific 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 JAN 2002	63 1	*	1828	*	145 4	7 8		4306 8
07 JAN 2002	64 7	*	1864	*	155 5	7 8		4306 9
14 JAN 2002	64 4	*	1848	*	150 3	7 9		4307 0
21 JAN 2002	63 9	*	1865	*	148 9	7 8		4307.3
28 JAN 2002	64 1	*	1839	*	149 2	7 8		4307 5
05 FEB 2002	65 2	*	1840	*	149 2	7 8		4307 8
11 FEB 2002	62 8	*	1856	*	151 6	7 8		4307 8
19 FEB 2002	63 3	*	1861	*	149 8	7 8		4308 0
26 FEB 2002	62 6	*	1869	*	147 7	7 8		4308 0
04 MAR 2002	63 5	*	1870	*	150 2	7 8		4308 2
11 MAR 2002	62 6	*	1854	*	143 5	7 8		4308 4
18 MAR 2002	63 4	*	1876	*	148 4	7 8		4308 7
25 MAR 2002	63 9	*	1878	*	149 9	7 8		4308 5
01 APR 2002	64 0	*	1825	*	148 6	7 8		4309 0
08 APR 2002	64 6	*	1879	*	152 8	7 8		4309 0
14 APR 2002	64 0	*	1883	*	146 7	7 8		4309 0
22 APR 2002	64 5	*	1892	*	156 1	7 8		4309 2
30 APR 2002	63 2	*	1870	*	152 0	7 7		4306 2
06 MAY 2002	64 9	*	1889	*	158 8	7 7		4309 2
13 MAY 2002	63 3	*	1886	*	149 0	7 7		4309 4
20 MAY 2002	63 6	*	1890	*	149 0	7 8		4309 5
28 MAY 2002	64 7	*	1903	*	151 7	7 8		4309 5
04 JUN 2002	64 7	*	1860	*	153 0	7 8		4309 7
10 JUN 2002	63 5	*	1890	*	149 2	7 7		4309 3
17 JUN 2002	63 7	*	1887	*	154 5	7 8		4309 3
24 JUN 2002	62 1	*	1886	*	143 4	7 8		4309 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM3

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 2

Well I.D. SSM4

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
26 FEB 2002	18 4	713	245 8	8 4		4300 0
10 JUN 2002	18 9	710	256 9	8 5		4301 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM4

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 3

Well I.D. SSM5

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	15 6	731	224 7	8 0		4306 0
10 JUN 2002	15 3	716	231 1	8 1		4308 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

SSM5

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 4

Well I.D. SSM6

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	11 7	2021	98 8	7 9		4307 3
10 JUN 2002	12 1	2043	103 2	7 8		4309 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM6

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 5

Well I.D. SSM7

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	13 1	2285	101 5	7 8		4308 0
10 JUN 2002	13 4	2327	103 1	7 9		4309 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

SSM7

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 5

Well I.D. SSM8

2002, First Half

Water Quality Parameters	Chloride		Specific 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								
11 FEB 2002	22 3	*	2268	108 0		7 9		4307 6
10 JUN 2002	23 5	*	2360	112 6	*	8 0		4309 2
12 JUN 2002	22 8	*	2305	110 7		7 9		4309 2
12 JUN 2002	22 3	*	2278	111 4		7 9		4309 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM8

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 6

Well I.D. SSM9

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	9 5	1509	96 3	8 0		4310 0
04 JUN 2002	9 5	1502	99 4	7 9		4311 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM9

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 6

Well I.D SSM10

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	12 1	1579	113 6	8 0		4309 7
04 JUN 2002	11 3	1569	111 2	7 9		4311 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM10

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 6

Well I.D. SSM11

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	12 9	2396	90 3	8 0		4294 9
10 JUN 2002	12 7	2425	89 6	7 9		4313 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM11

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 8

Well I D. SSM18

2002, First Half

Water Quality Parameters	Chloride		Specific 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 JAN 2002	20 1	*	1826		157 2	*	7 7		4310 0
07 JAN 2002	20 0	*	1846		157 2	*	7 7		4309 9
14 JAN 2002	20 5	*	1851	*	160 9	*	7 8		4310 7
21 JAN 2002	20 1	*	1868	*	157 3	*	7 7		4311 0
28 JAN 2002	19 5	*	1832		151 7	*	7 7		4310 5
05 FEB 2002	20 2	*	1841		156 7	*	7 7		4310 4
11 FEB 2002	18 8	*	1854	*	152 4	*	7 7		4310 6
19 FEB 2002	19 2	*	1859	*	153 0	*	7 7		4311 5
26 FEB 2002	19 5	*	1903	*	155 4	*	7 8		4310 7
04 MAR 2002	17 4	*	1893	*	155 4	*	7 7		4311 8
11 MAR 2002	18 7	*	1885	*	148 6	*	7 6		4311 7
18 MAR 2002	19 8	*	1916	*	154 7	*	7 7		4312 2
25 MAR 2002	19 7	*	1914	*	153 3	*	7 7		4312 2
01 APR 2002	20 0	*	1888	*	156 2	*	7 6		4312 1
08 APR 2002	19 8	*	1932	*	152 1	*	7 7		4312 2
14 APR 2002	20 2	*	1954	*	152 6	*	7 6		4312 3
22 APR 2002	20 1	*	1976	*	158 2	*	7 7		4312 7
29 APR 2002	20 5	*	1949	*	163 6	*	7 7		4312 0
06 MAY 2002	20 5	*	1991	*	161 1	*	7 6		4313 0
13 MAY 2002	18 6	*	1885	*	147 4	*	7 7		4312
20 MAY 2002	20 4	*	1978	*	159 0	*	7 7		4312 7
28 MAY 2002	19 5	*	1937	*	152 9	*	7 7		4312 7
04 JUN 2002	20 7	*	1983	*	161 3	*	7 8		4313 0
10 JUN 2002	16 1	*	1789		135 9	*	7 8		4312 5
17 JUN 2002	15 0	*	1720		129 1	*	7 7		4312 8
25 JUN 2002	18 5	*	1890	*	145 6	*	7 9		4312 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM18

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 8

W[illegible] I.D. SSM19

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	9 3	1469	86 2	8 1		4304 9
29 APR 2002	9 0	1487	88 3	8 1		4313 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

SSM19

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 9

Well I.D. SSM34

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	9 3	1202	99 6	8 0		4310 7
29 APR 2002	9 3	1220	95 1	8 0		4311 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM34

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 9

W-ll I.D. SSM35

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	9 9	1279	105 4	8 1		4311 2
29 APR 2002	9 8	1301	109 9	8 1		4312 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

SSM35

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 9

Well I.D. SSM36

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	9 2	1265	102 4	8 2		4312 3
29 APR 2002	9 0	1302	107 4	8 3		4313 8

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM36

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 7

W -11 I.D. SSM37

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	11 2	1637	112 2	8 1		4307 0
04 JUN 2002	11 0	1599	114 3	7 8		4309 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

SSM37

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 7

Well I.D. SSM38

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	11 4	2048	89 9	8 0		4309 3
04 JUN 2002	11 2	2124	93 1	7 9		4311 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM38

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 7

Well I.D. SSM39

2002, First Half

Water Quality Parameters	Chloride	Specific 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							
26 FEB 2002	12.5	1817	107.2	*	8.0		4308.3
10 JUN 2002	12.7	1849	108.3	*	8.1		4309.8

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM39

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 8

Well I.D. SSM40

2002, First Half

Water Quality Parameters	Chloride		Specific 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 JAN 2002	12 8		1440		100 5		8 0		4311 8
07 JAN 2002	15 9	*	1692	*	123 0	*	8 0		4312 1
14 JAN 2002	13 4		1448		106 6		7 9		4312 2
21 JAN 2002	14 9	*	1621		111 7	*	7 9		4311 5
28 JAN 2002	14 6	*	1586		109 8	*	8 0		4312 5
05 FEB 2002	15 0	*	1603		110 2	*	7 9		4313 0
11 FEB 2002	13 9	*	1584		109 1		8 0		4312 7
19 FEB 2002	14 3	*	1606		110 7	*	8 1		4313 3
26 FEB 2002	14 4	*	1619		109 7	*	8 2		4313 2
04 MAR 2002	14 5	*	1603		112 6	*	8 0		4313 4
11 MAR 2002	14 0	*	1583		108 7		7 8		4313 7
18 MAR 2002	14 4	*	1622		110 4	*	8 0		4313 9
25 MAR 2002	14 4	*	1628		109 9	*	7 9		4313 9
01 APR 2002	14 4	*	1584		111 5	*	8 0		4313 8
08 APR 2002	13 9	*	1593		107 3		8 0		4313 9
14 APR 2002	14 1	*	1604		107 2		8 0		4314 1
22 APR 2002	13 8	*	1587		111 2	*	8 0		4314 2
29 APR 2002	14 0	*	1595		112 5	*	7 9		4314 0
06 MAY 2002	15 4	*	1695	*	118 4	*	7 9		4314 2
13 MAY 2002	12 8		1520		105 7		7 9		4314 4
20 MAY 2002	14 8	*	1667		113 7	*	8 0		4314 3
28 MAY 2002	14 5	*	1642		113 6	*	7 9		4314 3
04 JUN 2002	14 1	*	1603		110 8	*	7 9		4314 6
10 JUN 2002	14 3	*	1648		111 1	*	8 2		4314 6
17 JUN 2002	14 3	*	1672		113 4	*	7 9		4314 9
24 JUN 2002	13 2		1582		102 0		8 1		4314 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM40

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 4

Well I.D. SSM41

2002, First Half

Water Quality Parameters	Chloride		Specific 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 JAN 2002	38 6	*	2416	142.0	*	7 8		4307 0
07 JAN 2002	37 3	*	2464	136 5	*	7 7		4307 1
14 JAN 2002	38 4	*	2448	138.3	*	7 8		4307 4
21 JAN 2002	38 2	*	2465	137 8	*	7 7		4307 6
28 JAN 2002	37 5	*	2441	135.2	*	7 7		4307.7
05 FEB 2002	38 1	*	2438	134 6	*	7 7		4307 9
11 FEB 2002	35 2	*	2459	131.3	*	7 7		4307 9
19 FEB 2002	36 7	*	2457	135 8	*	7 8		4308 9
26 FEB 2002	36 2	*	2449	133 9	*	7 8		4308 2
04 MAR 2002	36 6	*	2462	135 5	*	7 7		4308 6
11 MAR 2002	36 3	*	2428	133 3	*	8 1		4307 7
18 MAR 2002	36 1	*	2463	131 9	*	7 7		4308 8
25 MAR 2002	37 8	*	2473	137 3	*	7 8		4309 0
01 APR 2002	37 7	*	2395	141 1	*	7 7		4309 1
08 APR 2002	36 6	*	2455	131 8	*	7 7		4309 1
14 APR 2002	37 3	*	2477	130 8	*	7 7		4309 2
22 APR 2002	37 0	*	2485	139 0	*	7 8		4309 4
30 APR 2002	37 5	*	2451	139 7	*	7 6		4309 0
06 MAY 2002	36 8	*	2472	136 2	*	7 6		4309 5
13 MAY 2002	37 1	*	2494	135 4	*	7 7		4309 4
20 MAY 2002	36 7	*	2472	135 6	*	7 7		4309 6
28 MAY 2002	37 6	*	2495	138 3	*	7 7		4309 6
04 JUN 2002	37 5	*	2445	138 0	*	7 7		4309 7
10 JUN 2002	37 4	*	2492	136 2	*	7 8		4309 7
17 JUN 2002	37 3	*	2468	140 7	*	7 7		4309 7
24 JUN 2002	37 0	*	2483	134 5	*	7 7		4309 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

SSM41

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 3

Well I.D. SSM42

2002, First Half

Water Quality Parameters	Chloride		Specific 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 JAN 2002	72 8	*	2368	*	152 7	7 8		4301 5
07 JAN 2002	70 9	*	2388	*	149 3	7 7		4301 4
14 JAN 2002	70 6	*	2340	*	150 8	7 8		4301 8
21 JAN 2002	68 6	*	2334	*	149 3	7 7		4302 0
28 JAN 2002	67 2	*	2287	*	149 9	7 8		4301 8
05 FEB 2002	67 0	*	2251	*	147 2	7 7		4302 2
11 FEB 2002	64 5	*	2255	*	155 7	7 8		4296 0
19 FEB 2002	63 6	*	2250	*	149 1	7 8		4302 3
26 FEB 2002	63 9	*	2238	*	150 9	7 8		4302 5
04 MAR 2002	63 0	*	2214	*	151 8	7 8		4302 3
11 MAR 2002	62 2	*	2189	*	133 1	7 9		4302 6
18 MAR 2002	62 7	*	2220	*	148 5	7 8		4302 9
25 MAR 2002	62 1	*	2200	*	151 4	7 8		4302 8
01 APR 2002	61 5	*	2136	*	151 4	7 8		4303 0
08 APR 2002	61 7	*	2165	*	150 8	7 8		4303 0
14 APR 2002	61 0	*	2152	*	148 0	7 8		4303 1
22 APR 2002	59 8	*	2144	*	159 2	7 9		4303 1
30 APR 2002	60 1	*	2110	*	158 0	7 8		4303 2
06 MAY 2002	60 7	*	2135	*	164 7	7 8		4303 3
13 MAY 2002	60 3	*	2112	*	158 3	7 9		4303 4
20 MAY 2002	60 3	*	2121	*	155 2	7 9		4303 3
28 MAY 2002	60 8	*	2138	*	160 3	7 8		4303 3
04 JUN 2002	62 3	*	2086	*	164 5	7 8		4303 4
10 JUN 2002	62 0	*	2141	*	157 7	7 8		4303 5
17 JUN 2002	62 6	*	2142	*	166 7	7 8		4303 0
24 JUN 2002	59 4	*	2136	*	151 2	7 8		4303 5

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

SSM42

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELL

Mine Unit 1

W' -ll I.D. SSM43

2002, First Half

Water Quality Parameters	Chloride		Specific 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 JAN 2002	38 6	*	1687	*	141 7	8 0		4305 5
07 JAN 2002	38 2	*	1726	*	139 0	7 9		4305 6
14 JAN 2002	38 4	*	1706	*	138 5	7 9		4306 0
21 JAN 2002	39 2	*	1718	*	143 1	7 9		4306 3
28 JAN 2002	38 2	*	1693	*	137 7	7 9		4306 2
05 FEB 2002	39 0	*	1704	*	139 0	7 9		4306 4
11 FEB 2002	36 9	*	1709	*	138 4	7 9		4306 4
19 FEB 2002	35 7	*	1716	*	132 4	7 9		4306 8
26 FEB 2002	37 2	*	1722	*	138 2	8 0		4306 7
04 MAR 2002	37 6	*	1728	*	139 7	8 0		4307 0
11 MAR 2002	37 6	*	1707	*	139 9	8 1		4307 1
18 MAR 2002	37 2	*	1728	*	136 4	7 9		4307 5
25 MAR 2002	37 7	*	1725	*	137 9	7 9		4307 4
01 APR 2002	39 0	*	1687	*	144 8	8 0		4307 5
08 APR 2002	37 7	*	1725	*	136 0	7 9		4307 6
14 APR 2002	37.2	*	1722	*	133 1	7 9		4307 7
22 APR 2002	37 1	*	1729	*	141 7	8 0		4307 8
30 APR 2002	36 8	*	1702	*	139 2	7 8		4307 7
06 MAY 2002	37 6	*	1715	*	141 9	7 9		4308 0
13 MAY 2002	36 7	*	1724	*	137 3	7 9		4308 1
20 MAY 2002	37 4	*	1720	*	139 3	8 0		4308 1
28 MAY 2002	37 9	*	1737	*	141 0	7 9		4308 1
04 JUN 2002	37 1	*	1690	*	137 9	7 9		4308 2
10 JUN 2002	37 8	*	1721	*	144 1	8 0		4308 1
17 JUN 2002	37 1	*	1726	*	141 0	7 9		4308 2
24 JUN 2002	36 1	*	1721	*	134 2	7 9		4308 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

SSM43

IRIGARAY PROJECT

Interior Deep Sand Monitor Wells

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 1

Well I.D. DM1

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
26 FEB 2002	9 3	491	116 2	8 5		4298 5
10 JUN 2002	9 4	487	118 1	8 7		4304 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM1

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 1

W I.D. DM2

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
26 FEB 2002	8 7	609	182 7	8 2		4287 4
10 JUN 2002	8 7	602	187 3 *	8 3		4293 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

DM2

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 2

Well I.D. DM3

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
26 FEB 2002	15 4	606	207 0	8 3		4292 9
10 JUN 2002	15 1	601	205 5	8 4		4299 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM3

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 4

Well I.D. DM4

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
26 FEB 2002	9 4	523	98 2	8 9		4297 4
10 JUN 2002	9 7	522	102 1	8 9		4301 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM4

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 2

Well I.D. DM5

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
26 FEB 2002	8 7	620	202 7	8 2		4276 9
10 JUN 2002	8 8	620	207 4 *	8 0		4285 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM5

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 5

V' "I.D. DM9

2002, First Half

Water Quality Parameters	Chloride	Specific 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	647	132.7			
Date						
11 FEB 2002	9 8	523	98 0	8 8		4297 3
10 JUN 2002	9 8	528	99 5	8 8		4304 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

DM9

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 6

Well I.D. DM10

2002, First Half

Water Quality Parameters	Chloride		Specific 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 JAN 2002	33 1	*	837	*	217 9	*	8 2		4297 6
07 JAN 2002	33 5	*	849	*	212 8	*	8 1		4298 5
14 JAN 2002	32 1	*	832	*	211 5	*	8 2		4299 3
21 JAN 2002	32 4	*	831	*	204 1	*	8 1		4300 4
28 JAN 2002	31 2	*	820	*	206 2	*	8 2		4301 3
05 FEB 2002	31 9	*	814	*	204 7	*	8 2		4301 2
11 FEB 2002	30 0	*	822	*	206 4	*	8 3		4302 7
19 FEB 2002	30 0	*	819	*	204 3	*	8 3		4303 0
26 FEB 2002	30 0	*	815	*	203 8	*	8 5		4303 5
04 MAR 2002	30 7	*	813	*	198 3	*	8 3		4304 3
11 MAR 2002	30 0	*	807	*	205 3	*	8 3		4304 9
18 MAR 2002	30 5	*	816	*	202 6	*	8 3		4305 4
25 MAR 2002	30 5	*	811	*	200 8	*	8 2		4306 0
01 APR 2002	29 8	*	799	*	198 5	*	8 3		4306 5
08 APR 2002	30 4	*	816	*	199 0	*	8 2		4307 0
14 APR 2002	30 9	*	816	*	202 8	*	8 2		4307 5
22 APR 2002	31 2	*	820	*	211 0	*	8 3		4307 8
30 APR 2002	30 6	*	804	*	208 0	*	8 2		4307 8
06 MAY 2002	30 6	*	815	*	216 9	*	8 3		4308 [illegible]
13 MAY 2002	30 8	*	813	*	206 8	*	8 1		4308 6
20 MAY 2002	31 6	*	816	*	213 2	*	8 3		4309 1
28 MAY 2002	31 0	*	821	*	203 3	*	8 2		4309 1
04 JUN 2002	31 1	*	801	*	205 6	*	8 3		4309 2
10 JUN 2002	31 0	*	819	*	202 0	*	8 3		4308 6
17 JUN 2002	30 8	*	810	*	205 0	*	8 2		4309 6
24 JUN 2002	29 8	*	808	*	192 7	*	8 2		4309 8

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM10

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 7

W[illegible] I.D. DM11

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	10 9	551	95 4	8 8		4294 8
04 JUN 2002	10 4	556	98 2	8 6		4300 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

DM11

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 8

Well I.D. DM13

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	10 6	542	97 8	8 7		4299 1
29 APR 2002	10 2	535	103 8	8 6		4305 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM13

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 8

W[illegible] I.D. DM14

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 3	541	99 3	8 8		4296 1
29 APR 2002	11 9	555	101.5	8 8		4293 0

* Values Exceed Upper Control Limit

[1]Negative U3O8 Grades Indicate Less Than Detection Limit.

DM14

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 9

Well I.D. DM15

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	10 7	546	108 5	8 7		4301 0
29 APR 2002	10 8	560	110 1	8 7		4308 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM15

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 9

V[illegible] I.D. DM16

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
28 JAN 2002	11 2	553	94 9	8 8		4302 8
29 APR 2002	10 9	565	97 5	8 8		4309 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

DM16

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 5

Well I.D. DM17

2002, First Half

Water Quality Parameters	Chloride	Specific 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							
11 FEB 2002	9 5	525	112 0	*	8 6		4297 8
10 JUN 2002	9 6	543	126 5	*	8 9		4304 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM17

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 4

W" I.D. DM18

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	9 8	522	99 3	8 6		4302 9
10 JUN 2002	10 2	527	102 5	8 7		4301 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM18

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 3

Well I.D. DM19

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
26 FEB 2002	10 1	516	121 7	8 6		4261 2
10 JUN 2002	10 9	511	129 5	8 6		4271 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM19

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 3

W[illegible] I.D. DM20

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
11 FEB 2002	9 5	509	100 4	8 6		4297 1
10 JUN 2002	9 7	517	103 4	8 7		4304 5

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

DM20

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 7

Well I.D. DM21

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
04 FEB 2002	10 7	554	95 5	8 7		4299 8
04 JUN 2002	10 7	552	97 5	8 7		4308 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

DM21

NRC DEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELL

Mine Unit 6

W' ''I.D. DM22

2002, First Half

Water Quality Parameters	Chloride	Specific 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	654	117			
Date						
04 FEB 2002	16 0 *	561	97.3	8 7		4300 9
10 JUN 2002	12 5	549	104 6	8 8		4308 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

DM22

CHRISTENSEN RANCH PROJECT

Perimeter Ore Zone Monitor Wells

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW17-2

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 0	673	97 2	8 9		4502 3
11 FEB 2002	9 8	668	96 3	9 0		
12 MAR 2002	10 1	672	97 6	8 9		4504 1
08 APR 2002	9 8	673	97 3	8 9		4498 9
13 MAY 2002	9 6	679	96 4	8 9		4491 6
11 JUN 2002	9 9	672	95 2	8 9		4500 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW17-2

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

W[illegible] I.D. MW18

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 9	664	97 6	8 5		4501 7
12 FEB 2002	10 1	663	98 3	8 6		
12 MAR 2002	10 1	678	97 1	8 7		4501 0
09 APR 2002	9 8	675	97 0	8 6		4497 6
13 MAY 2002	9 9	679	96 3	8 7		4491 3
11 JUN 2002	10 4	679	98 0	8 8		4492 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW18

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW19

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 8	669	98 9	8 4		4497 1
12 FEB 2002	10 1	666	99 4	8 4		
11 MAR 2002	10 1	669	97 8	8 4		4499 6
09 APR 2002	9 8	673	97 9	8 5		4500 0
13 MAY 2002	9 7	671	97 3	8 4		4496 7
11 JUN 2002	10 3	676	100 0	8 5		4504 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW19

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V' ' I.D. MW20

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 0	659	100 7	8 4		4499 6
12 FEB 2002	9 8	669	100 8	8 5		
12 MAR 2002	9 9	670	101 6	8 6		4496 9
09 APR 2002	9 3	676	97 1	8 5		4496 3
13 MAY 2002	9 7	678	99 9	8 5		4490 7
11 JUN 2002	9 9	677	100 8	8 6		4491 8

* Values Exceed Upper Control Limit

' Negative U3O8 Grades Indicate Less Than Detection Limit

MW20

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW23

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 6	652	97 1	8 5		4488 7
12 FEB 2002	10 4	662	96 6	8 6		
12 MAR 2002	10 4	664	95 8	8 6		4492.2
09 APR 2002	10 4	667	96 6	8 6		4497 4
13 MAY 2002	10 3	671	95 5	8 5		4491 7
11 JUN 2002	10 4	671	96 4	8 6		4494 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW23

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V[illegible]I.D. MW24

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 1	646	92 6	8 6		4499 1
12 FEB 2002	10 1	655	90.3	8 8		
12 MAR 2002	10 2	655	90 8	8 8		4503 4
09 APR 2002	9 7	665	93 7	8 7		4521 9
13 MAY 2002	9 9	670	93 6	8 7		4518 7
11 JUN 2002	10 1	663	92 7	8 8		4513 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW24

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW25

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 0	650	96 4	8 5		4486 3
12 FEB 2002	10 1	662	96 1	8 6		
12 MAR 2002	10 4	659	96 8	8 6		4490 5
09 APR 2002	10 2	668	97 5	8 5		4497 9
13 MAY 2002	10 3	673	97 4	8 5		4494 7
11 JUN 2002	10 5	671	99 6	8 5		4496 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW25

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V' ''I.D. MW26

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 4	649	94 6	8 5		4484 3
12 FEB 2002	10 3	662	96 3	8 6		
12 MAR 2002	10 5	665	96 4	8 5		4490 8
09 APR 2002	10 1	665	94 0	8 5		4498 1
13 MAY 2002	10 0	670	94 2	8 5		4494 2
11 JUN 2002	10 1	668	93 2	8 6		4496 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW26

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW27

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 6	652	95 2	8 5		4487 0
12 FEB 2002	10 4	661	94 6	8 5		
12 MAR 2002	10 8	665	95 8	8 5		4492 8
09 APR 2002	11 0	667	95 5	8 5		4499 2
13 MAY 2002	11 3	672	95 5	8 5		4495 7
11 JUN 2002	11 4	670	94 5	8 5		4496 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW27

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V I.D. MW28

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 4	678	98 6	8 5		4492 0
12 FEB 2002	10 4	658	97 8	8 6		
12 MAR 2002	10 7	667	97 2	8 6		4496 6
08 APR 2002	10 6	670	99 1	8 6		4499 6
13 MAY 2002	10 4	691	98 6	8 6		4495 7
11 JUN 2002	10 7	686	98 9	8 6		4498 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW28

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW29

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	10 1	658	101 6	8 4		4496 0
12 FEB 2002	9 7	663	97 9	8 6		
12 MAR 2002	10 0	668	99 4	8 6		4499 5
08 APR 2002	10 3	669	102 6	8 6		4499 1
13 MAY 2002	9 8	672	98 9	8 6		4495 5
11 JUN 2002	9 9	671	99 6	8 6		4500 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW29

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

W I.D. MW30

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 9	671	102 7	8 4		4500 1
12 FEB 2002	10 1	667	101 7	8 5		
12 MAR 2002	9 8	679	100 9	8 6		4500 3
08 APR 2002	9 8	672	100 3	8 6		4496 5
13 MAY 2002	9 5	678	98 7	8 5		4493 1
11 JUN 2002	9 8	674	100 4	8 6		4504 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW30

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW31

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 5	676	102 8	8 5		4508 0
12 FEB 2002	9 7	674	103 9	8 5		
12 MAR 2002	9 7	673	100 0	8 7		4507 0
08 APR 2002	9 6	673	100 2	8 6		4500 3
13 MAY 2002	9 7	677	99 7	8 5		4496 4
11 JUN 2002	9 7	676	100 6	8 6		4512 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW31

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V[illegible] I.D. MW32

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 4	671	102 1	8 5		4507 2
11 FEB 2002	10 0	677	106 3	8 6		
13 MAR 2002	9 7	673	101 9	8 6		4498 0
08 APR 2002	9 6	677	102 9	8 6		4487 0
13 MAY 2002	9 4	678	101.2	8 5		4482 1
11 JUN 2002	9 5	671	101 4	8 6		4503 5

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW32

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW35

2002, First Half

Water Quality Parameters	Chloride	Specific 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							
14 JAN 2002	9 6	672	101 5		8 5		4500 7
11 FEB 2002	9 8	675	101 7		8 5		
12 MAR 2002	10 3	678	131 8	*	8 5		4500 4
09 APR 2002	10 0	632	134 1	*	8 5		4489 3
13 MAY 2002	9 7	616	132 0	*	8 6		4482 6
11 JUN 2002	9 3	597	134 7	*	8 7		4502 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW35

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V I.D. MW36

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
15 JAN 2002	9 6	674	103 9	8 4		4505 5
11 FEB 2002	9 5	674	101 9	8 5		
12 MAR 2002	9 7	673	100 8	8 5		4509 2
09 APR 2002	9 8	678	102.1	8 5		4497 2
13 MAY 2002	9 5	673	98 2	8 5		4489 7
11 JUN 2002	10 0	671	103 3	8 6		4512 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW36

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW37

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
15 JAN 2002	9 7	670	104 7	8 5		4505 8
11 FEB 2002	9 6	674	102 3	8 5		
12 MAR 2002	10 5	675	102 5	8 5		4500 4
09 APR 2002	11 0	683	102 1	8 5		4488 9
13 MAY 2002	11 8	686	103 0	8 5		4481 4
11 JUN 2002	12 9	687	105 1	8 6		4502 5

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW37

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V I.D. MW38

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
15 JAN 2002	9 7	668	104 5	8 5		4502 9
11 FEB 2002	10 1	664	102.3	8 7		
11 MAR 2002	10 2	668	100 6	8 6		4496 2
08 APR 2002	9 7	674	102 9	8 6		4485 2
13 MAY 2002	9 7	687	102 0	8 6		4480 6
11 JUN 2002	9 7	677	102 7	8 6		4501 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW38

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW39

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
15 JAN 2002	9 6	669	101 1	8 6		4501 7
11 FEB 2002	10 1	666	102 5	8 7		
11 MAR 2002	9 9	671	100 6	8 6		4495 8
08 APR 2002	10 4	674	102 9	8 7		4486 9
13 MAY 2002	10 0	684	100 6	8 7		4483 4
11 JUN 2002	10 5	676	105 4	8 7		4489 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW39

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V I.D. MW40

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 7	658	94 0	8 5		4489 9
12 FEB 2002	9 6	668	99 0	8 6		
12 MAR 2002	9 9	658	92 0	8 7		4494 5
08 APR 2002	9 9	667	97 1	8 8		4533 8
13 MAY 2002	10 0	673	97 8	8 7		4529 9
11 JUN 2002	10 4	668	96 8	8 8		4498 3

* Values Exceed Upper Control Limit

: Negative U3O8 Grades Indicate Less Than Detection Limit

MW40

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW41

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 6	672	104 7	8 6		4500 8
11 FEB 2002	9 4	673	103 1	8 6		
13 MAR 2002	10 1	668	106 2	8 6		4491 9
08 APR 2002	9 2	675	101 3	8 6		4482 7
13 MAY 2002	9 6	678	105 3	8 6		4475 0
11 JUN 2002	9 5	669	101 1	8 7		4502 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW41

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

I.D. MW42

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 4	665	101 3	8 5		4487 6
11 FEB 2002	9 4	669	100 9	8 5		
13 MAR 2002	9 8	665	102 3	8 6		4482 6
08 APR 2002	9 3	670	100 3	8 5		4479 8
13 MAY 2002	9 5	674	100 6	8 5		4472 7
11 JUN 2002	9 7	674	102.1	8 6		4485 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW42

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW43

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 4	665	102 0	8 5		4497 8
11 FEB 2002	9 6	669	104 0	8 6		
12 MAR 2002	9 6	668	102 3	8 5		4487 0
08 APR 2002	9 5	670	101 4	8 6		4478 9
13 MAY 2002	9 4	675	101 5	8 5		4471 4
11 JUN 2002	9 4	670	100 6	8 6		4434 8

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW43

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V I.D. MW44

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 7	669	100 4	8 4		4511 9
12 FEB 2002	9 4	668	97 9	8 4		
12 MAR 2002	9 9	672	100 3	8 5		4493 2
08 APR 2002	9 5	671	98 0	8 5		4486 4
13 MAY 2002	9 6	677	98 4	8 4		4475 7
11 JUN 2002	9 4	674	97 4	8 5		4467 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW44

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW45

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 5	671	100 9	8 5		4512 1
12 FEB 2002	9 8	671	100 1	8 4		
13 MAR 2002	10 1	674	101 2	8 5		4496 7
09 APR 2002	9 5	672	99 2	8 5		4482 6
13 MAY 2002	9 7	679	101 0	8 5		4472 7
11 JUN 2002	9 6	675	99 3	8 5		4500 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW45

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

I.D. MW62

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 7	671	98 5	8 9		4511 6
11 FEB 2002	9 7	673	98 2	8 8		
11 MAR 2002	10 0	668	96 2	8 6		4493 7
08 APR 2002	10 3	671	102 6	8 7		4488 6
13 MAY 2002	9 7	677	96 6	8 7		4478 0
11 JUN 2002	9 7	671	92 9	8 8		4460 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW62

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

Well I.D. MW63

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 6	665	100 3	8 7		4509 3
11 FEB 2002	9 6	668	99 9	8 7		
11 MAR 2002	9 6	664	96 1	8 6		4485 5
08 APR 2002	9 3	669	96 5	8 6		4482.4
13 MAY 2002	9 4	673	97 4	8 6		4472.0
11 JUN 2002	9 4	671	98 2	8 6		4466 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW63

NRC DEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 3

V[illegible] I.D. MW64

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
14 JAN 2002	9 2	671	101 8	8 6		4503 4
11 FEB 2002	9 3	674	103 7	8 6		
11 MAR 2002	9 6	671	103 2	8 5		4479 4
08 APR 2002	9 3	673	102.4	8 6		4477 6
13 MAY 2002	9 3	680	102.3	8 6		4467 4
11 JUN 2002	9 1	677	100 2	8 6		4463 4

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW64

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW73

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 9	667	97 7	8 8		4496 3
05 FEB 2002	9 7	668	102.4	8 9		4487 4
06 MAR 2002	10 0	662	98 7	8 8		4498 0
02 APR 2002	9 9	668	97 6	9 2		4499 1
06 MAY 2002	10 0	662	94 0	9 0		4507 2
03 JUN 2002	9 8	671	94 1	9 1		4495 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW73

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

W[illegible] I.D. MW74

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 8	669	100.3	8 8		4494 2
05 FEB 2002	9 8	663	102.2	8 9		4493 8
06 MAR 2002	9 7	661	97 0	8 9		4496 7
02 APR 2002	9 7	654	92 5	9 0		4499 0
06 MAY 2002	10 1	653	91.2	9 0		4505 9
03 JUN 2002	9 8	664	93 3	9 0		4497 3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW74

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW75

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 4	673	100 0	8 6		4491 3
05 FEB 2002	9 9	667	104 4	8 6		4489 0
06 MAR 2002	9 8	673	102 2	8 7		4493 3
02 APR 2002	9 5	670	95 5	8 8		4500 0
06 MAY 2002	9 9	669	96 3	8 7		4507 4
03 JUN 2002	9 5	677	96 9	8 7		4499 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW75

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

V .D. MW76

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	8 8	706	98 6	8 7		4490 2
05 FEB 2002	8 8	711	99 3	8 6		4489 1
06 MAR 2002	8 9	719	99 0	8 8		4493 9
02 APR 2002	8 6	719	95 0	8 4		4501 2
06 MAY 2002	8 8	720	96 3	8 6		4507 1
03 JUN 2002	8 8	725	97 5	8 7		4502.3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW76

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW77

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	8 4	740	96 7	8 4		4485 7
05 FEB 2002	8 8	730	100 7	8 4		4486 3
06 MAR 2002	8 5	739	96 0	8 5		4491 2
02 APR 2002	8 8	739	100 2	8 5		4499 5
06 MAY 2002	8 8	730	98 8	8 4		4503 0
03 JUN 2002	8 7	735	98 3	8 5		4502 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW77

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D. MW78

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 2	686	99 4	8 5		4471 0
05 FEB 2002	9 2	694	98 8	8 6		4474 6
06 MAR 2002	9 3	697	100 0	8 6		4481 8
02 APR 2002	9 3	694	100 2	8 5		4497 8
07 MAY 2002	9 3	714	99 0	8 6		4505 1
03 JUN 2002	9 1	706	98 2	8 6		4501 3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW78

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW79

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 0	700	98 0	8 4		4457 2
05 FEB 2002	8 8	718	99 7	8 5		4467 7
06 MAR 2002	8 9	724	100 9	8 6		4477 2
02 APR 2002	8 5	725	97 0	8 3		4461 5
07 MAY 2002	8 8	734	97 6	8 5		4471 3
03 JUN 2002	8 6	730	97 9	8 5		4502.2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW79

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D. MW80

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 7	673	97 8	8 4		4449 3
05 FEB 2002	9 6	669	99 5	8 5		4460 7
06 MAR 2002	9 3	676	97 5	8 6		4474 4
02 APR 2002	9 4	685	98 9	8.3		4495 9
07 MAY 2002	9 3	706	100 7	8 4		4501 8
03 JUN 2002	9 2	700	101 8	8 4		4502 7

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW80

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW81

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 6	674	97 4	8 5		4448 3
05 FEB 2002	9 7	668	100 5	8 5		4460 1
06 MAR 2002	9 7	672	98 1	8 6		4474 4
02 APR 2002	9 6	677	98 9	8 4		4496 2
06 MAY 2002	9 9	668	99 5	8 5		4502.9
03 JUN 2002	9 4	679	98 0	8 5		4504 0

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW81

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D. MW82

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 7	664	93 6	8 4		4437 7
05 FEB 2002	10 2	648	97.1	8 5		4452 0
06 MAR 2002	10 1	654	96 5	8 6		4468 7
02 APR 2002	9 8	663	93 2	8 0		4494 4
06 MAY 2002	10 7	657	102.3	8 1		4498 8
03 JUN 2002	10 2	668	99.3	8 4		4501 3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW82

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW83

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 7	674	98 4	8 5		4436 9
05 FEB 2002	9 7	665	99 5	8 6		4463 0
06 MAR 2002	9 7	663	99 0	8 6		4470 6
02 APR 2002	9 7	675	99 0	8 6		4494 6
06 MAY 2002	10 2	660	96.7	8 8		4499 1
03 JUN 2002	9 9	674	98 7	8 6		4501 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW83

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D. MW84

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	10 1	660	97.3	8 5		4442 5
05 FEB 2002	10 1	653	98 9	8 6		4457 8
06 MAR 2002	10 5	656	103 8	8 6		4470 6
02 APR 2002	10 3	643	101 7	8 6		4494 9
13 MAY 2002	11 0	666	101 3	8 8		4497 7
05 JUN 2002	10 4	662	101 8	8 5		4500 3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit

MW84

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW85

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	10 0	668	98 4	8 4		4458 3
05 FEB 2002	10 5	653	102 0	8 5		4465 7
06 MAR 2002	10 4	654	99 8	8 3		4474 8
02 APR 2002	10 0	665	98 7	8 5		4495 1
07 MAY 2002	10 4	673	99 4	8 5		4498 0
05 JUN 2002	10 0	658	99 0	8 3		4499 6

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW85

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D. MW86

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	10 2	667	97 1	8 4		4464 2
05 FEB 2002	10 0	654	96 8	8 5		4468 7
06 MAR 2002	10 4	652	97 6	8 6		4476 2
02 APR 2002	10 1	662	96 9	8 5		4494 6
07 MAY 2002	10 3	669	95 4	8 6		4500 0
05 JUN 2002	10 6	664	96 8	8 5		4497 8

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW86

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW87

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	10 0	670	99 1	8 4		4469 3
05 FEB 2002	10 5	650	104 6	8 5		4472 1
06 MAR 2002	10 1	654	99 4	8 5		4478 0
02 APR 2002	10 5	654	105 0	8 5		4495 2
07 MAY 2002	10 0	671	99 2	8 5		4496 7
05 JUN 2002	10 5	658	99 6	8 4		4496 9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW87

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D. MW88

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 7	674	100 2	8 4		4478 8
05 FEB 2002	8 6	660	103 1	8 5		4476 5
06 MAR 2002	10 0	658	102 0	8 5		4483 9
02 APR 2002	9 8	664	101 2	8 5		4496 3
07 MAY 2002	10 4	677	103 7	8 5		4496 1
05 JUN 2002	10 0	666	100 4	8 4		4496 1

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW88

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW89

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	14 8 *	717	110 9	8 3		4487 1
05 FEB 2002	13 6	694	112 9	8 4		4483 5
06 MAR 2002	13 2	692	111 5	8 4		4489 6
02 APR 2002	13 2	694	110 9	8 4		4497 1
07 MAY 2002	13 6	713	111 2	8 5		4495 8
05 JUN 2002	13 9 *	703	111 5	8 4		4495 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW89

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D. MW90

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 5	677	97 0	8 4		4447 8
05 FEB 2002	9 7	667	98 4	8 4		4459 4
06 MAR 2002	9 7	673	98 7	8 6		4473 3
02 APR 2002	9 4	678	96 8	8 3		4495 7
06 MAY 2002	9 8	668	97 9	8 5		4504 3
03 JUN 2002	9 5	685	98 4	8 4		4504 2

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW90

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW101

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 9	668	98 1	8 4		4446 5
05 FEB 2002	9 7	664	97 4	8 5		4457 7
06 MAR 2002	9 9	671	99 1	8 6		4472 4
02 APR 2002	9 8	664	97 9	7 7		4496 9
06 MAY 2002	10 1	659	98 5	7 9		4502 8
03 JUN 2002	9 7	674	97 3	8 2		4505 8

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW101

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

I.D.: MW102

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	10 1	655	94 5	8 5		4445 2
05 FEB 2002	10 1	653	97 5	8 5		4456 2
06 MAR 2002	10 0	658	94 9	8 5		4472 3
02 APR 2002	10 0	654	99 9	7 1		4496 2
06 MAY 2002	10 2	665	100 7	7 4		4499 8
03 JUN 2002	9 9	676	97 7	8 5		4505 3

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW102

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELL

Mine Unit 2

Well I.D. MW103

2002, First Half

Water Quality Parameters	Chloride	Specific 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						
07 JAN 2002	9 9	655	97 5	8 7		4456 3
05 FEB 2002	9 8	655	94 3	8 6		4470 6
06 MAR 2002	10 0	668	97 9	8 4		4478 7
02 APR 2002	9 7	657	97 9	8 6		4497 7
06 MAY 2002	9 8	666	101 7	8 5		4503 4
03 JUN 2002	9 6	680	100 9	8 6		4506.9

* Values Exceed Upper Control Limit

Negative U3O8 Grades Indicate Less Than Detection Limit.

MW103