COGEMA
Mining, Inc.

August 18, 2000

Mr. Jerry Queen
U.S. Bureau of Land Management
Buffalo Resource Area
189 No. Cedar
Buffalo, Wyoming 82834

PERMIT TO MINE NO. 478

RE: Submittal of 1999-2000 Annual Report for Permit to Mine No. 478, and Semi-Annual Activity and Monitoring Report, 1st and 2nd Quarters, 2000

Dear Jerry:

In keeping with our practice of updating you on our activities, please find attached a copy of COGEMA Mining, Inc.'s Annual Report to the Wyoming Department of Environmental Quality (WDEQ) and the U.S. Nuclear Regulatory Commission (USNRC). The report covers operations during the period of August 19, 1999 through August 18, 2000. Although this is the annual reporting period for the mining permit, much of the environmental monitoring data is actually for the annual time period between July 1 and June 30 of each year, due to delays in laboratory analysis.

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

Sincerely,

Craig W. Toal

Craig W. Toal
Environmental Specialist

cc: D. L. Wichers, W. W. Heili - COGEMA

935 PENDELL BOULEVARD, P.O. BOX 730, MILLS, WYOMING 82644
TEL: (307) 234-5019 FAX: (307) 473-7306

COGEMA
Mining, Inc.

August 18, 2000

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

PERMIT TO MINE NO. 478

RE: Submittal of 2000 Annual Report for Permit to Mine No. 478, and Semi-Annual Activity and Monitoring Report, 1st and 2nd Quarters, 2000

Dear Mr. Giurgevich:

Pursuant to the requirements of W.S. 35-11-411(a), please find enclosed two copies of COGEMA Mining, Inc.'s 1999-2000 Annual Report for Permit to Mine No. 478. The report covers activities at the Irigaray and Christensen Ranch Mine Sites for the period of August 19, 1999 through August 18, 2000.

Please note that the attached report is formatted to include the Semi-Annual Activity and Monitoring Report to the U.S. Nuclear Regulatory Commission and WDEQ. This report covers activities for the 1st and 2nd quarters of 2000. Additionally, the revised financial surety estimate for the 2000-2001 period is included as Appendix 4 of the Annual Report.

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

Sincerely,

Craig W. Toal

Craig W. Toal
Environmental Specialist

cc: D. L. Wichers, W. W. Heili, J. Vaselin/COGEMA
USNRC/Headquarters (cover letter only)
USNRC/Region IV (cover letter only)

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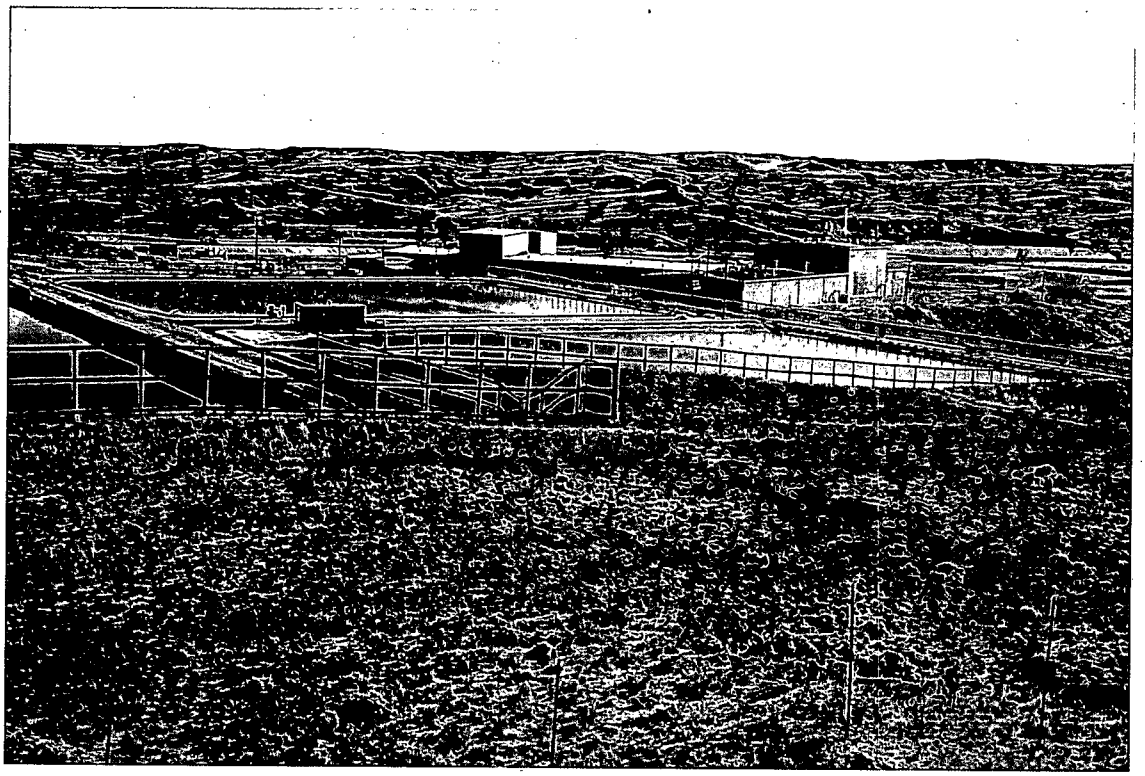
COGEMA
Mining, Inc.

IRIGARAY AND CHRISTENSEN RANCH PROJECTS



ANNUAL REPORT
WDEQ PERMIT TO MINE NO. 478
August 19, 1999 - August 18, 2000

and

SEMI-ANNUAL EFFLUENT REPORT (10 CFR 40.65)
NRC LICENSE SUA-1341
January 1, 2000 - June 30, 2000

August, 2000

COGEMA Mining, Inc.
Irigaray and Christensen Ranch Projects

SEMI-ANNUAL EFFLUENT AND MONITORING REPORT
January 1, 2000 through June 30, 2000

Source Material License No. SUA-1341
Docket No. 40-8502
and
Wyoming Permit To Mine No. 478

August, 2000

SEMI-ANNUAL EFFLUENT AND MONITORING REPORT
January 1, 2000 through June 30, 2000
Irigaray and Christensen Ranch Projects

1.0 INTRODUCTION

In accordance with Section 12.1 of the NRC Source Material License No. SUA-1341, and requirements of WDEQ Permit to Mine No. 478, COGEMA Mining, Inc. (COGEMA) hereby submits a Semi-Annual Effluent and Monitoring Report. This report lists the results from the Irigaray and Christensen Ranch Project's effluent and environmental monitoring programs during the semi-annual report period of January 1, 2000 through June 30, 2000.

2.0 OPERATIONAL MONITORING DATA

2.1 Operations Summary

2.1.1 Operations Summary - Irigaray Project

Irigaray plant production operations consisted of processing uranium loaded resin from the Christensen Ranch Project. This involves elution of the resin and then precipitation, filtering and drying of the yellowcake. During the 6 month report period, a total of 48,502 pounds of uranium as U_3O_8 was captured. The plant restoration operations consisted of treating wellfield groundwater with reverse osmosis filtration units.

Irigaray wellfield restoration operations were conducted in Production Units (PU) 7, 8 and 9. PU 7 began the reverse osmosis filtration/permeate injection (RO) phase of restoration in February. PU 8 finished the RO phase and began the stabilization phase in June. PU 9 finished the RO and recirculation phases during the period and began the stabilization phase in May.

The layout of the Irigaray Project is shown on the Irigaray Project - General Location Map, located in Appendix 5 of the Annual Report to the Wyoming Department of Environmental Quality (WDEQ) contained within this binder.

2.1.2 Operations Summary - Christensen Ranch Project

Christensen plant production operations consisted of processing wellfield recovery solutions through ion exchange resin columns, and then transporting the loaded resin to the Irigaray Project. The stripped resin is then transported back to the Christensen Ranch Project for reuse. The plant restoration operations consisted of treating wellfield groundwater with reverse osmosis filtration units.

Christensen wellfield production operations were conducted in Mine Unit 5, wellfield modules 5-3, and in Mine Unit 6, wellfield modules 6-2, 6-3, 6-5 and 6-6. All chemical additions ceased during February and then production was slowly phased out during the following months.

The final producing wellfield module (6-6) was shut down on June 23, 2000. Wellfield restoration operations were conducted in Mine Unit (MU) 3, wellfield modules 3-1, 3-2 and 3-3 and MU 5, wellfield module 5. All three modules in MU 3 operated in the reverse osmosis filtration/permeate injection phase, with module 1 suspended in April. MU 5, wellfield module 5 began the groundwater sweep phase in March.

The layout of the Christensen Ranch Project is shown on the Christensen Project - General Location Map, located in Appendix 5 of the Annual Report.

2.2 Injection and Recovery Activities

2.2.1 Volumes Injected and Recovered

Volumes injected and recovered from the wellfields at the Irigaray and Christensen Ranch Projects are listed in the following tables. All volumes injected or recovered at the Irigaray Project are from restoration activities. The average production recovery flow rate at the Christensen Ranch Project was 956 gpm for the 6 month period. Note that the NRC and DEQ licenses authorize a maximum flow rate of 4,000 gallons per minute, exclusive of restoration flow. The average production bleed at the Christensen Ranch Project was 56.3 gpm, which equaled 5.9 % of the total production recovery.

Irigaray Project - Restoration Flow Volumes (Mine Units 8-9)

2000 Month	**Gallons Injected x 1,000**	**Gallons Recovered x 1,000**	**Average Recovery Flow Rate (gpm)**
January	9,792	10,422	207
February	8,229	9,608	238
March	9,443	11,363	291
April	11,033	13,016	259
May	8,714	10,480	268
June	9,526	11,469	289
	56,736 total	**66,358 total**	**256 6 month average**

Christensen Ranch Project - Production Flow Volumes (Mine Units 5 & 6)

2000 Month	Gallons Injected x 1,000	Gallons Recovered x 1,000	Average Recovery Flow Rate (gpm)
January	93,563	95,676	1,906
February	68,073	68,971	1,724
March	42,942	44,371	1,100
April	15,204	18,981	398
May	6,543	8,808	218
June	2,584	6,440	178
	228,910 total	**243,248 total**	**956 6 month average**

Christensen Ranch Project - Restoration Flow Volumes (Mine Unit 3)

2000 Month	Gallons Injected x 1,000	Gallons Recovered x 1,000	Average Recovery Flow Rate (gpm)
January	8,337	11,548	269
February	8,229	13,932	346
March	11,012	13,445	334
April	14,654	17,187	345
May	13,522	15,515	385
June	13,264	15,433	390
	69,018 total	**87,060 total**	**344 6 month average**

2.2.2 Mechanism for Determining Volumes

Recovery and injection gallons from the Irigaray Project were calculated by totalizing flow meters on the recovery and injection trunklines.

At the Christensen Ranch Project, recovery and injection gallons were calculated by totalizing flow meters on the plant recovery and injection trunklines. Individual well meters are also monitored for flow comparison, wellfield balance and backup purposes.

2.2.3 Injection Manifold Pressures

Injection manifold pressures are regulated to keep wellhead pressures from exceeding the limits specified in Section 11.1 of the NRC license (120 psi at the Irigaray Project and 140 psi at the Christensen Ranch Project). Section 11.1 of the NRC license also requires that the injection manifold pressures be recorded daily. However, to better monitor the injection pressures, chart recorders continuously record the injection manifold pressures at each wellfield module.

The recorders at the Christensen Project showed seven short-term (spike) pressure readings from a module building injection manifold, which exceeded the 140 psi operating pressure limit. These instances resulted from activities such as flow adjustments, electrical power failures, and injection pump stop and/or restart. Note that the maintenance limit of 168 psi was never exceeded during these instances. All injection pressure exceedances are recorded by the operator on a special form along with an explanation.

No exceedances of the 120 psi operating pressure limit were recorded at the Irigaray Project.

2.3 Waste Water Control

2.3.1 Evaporation Ponds

Weekly inspections were conducted at the eleven lined evaporation ponds at the Irigaray Project, and the four lined evaporation ponds and one unlined permeate storage pond at the Christensen Ranch Project. Two freeboard exceedances occurred during this report period.

On January 19, 2000, pond CR-3 at the Christensen Ranch Project exceeded the minimum freeboard limit of 2.0 feet by 0.2 feet. This was due to overfilling from the reverse osmosis unit used in the restoration of Mine Unit 3. Water from pond CR-3 was then transferred to another pond until the freeboard was greater than the minimum 2 foot limit, on January 22, 2000.

On February 4, 2000, pond IR-3 at the Irigaray Project exceeded the minimum freeboard limit of 2.0 feet by 0.2 feet This was due to snow melt from a recent storm. Water from pond IR-3 was then transferred to another pond until the freeboard was greater than the minimum 2 foot limit, on February 10, 2000.

Partial decommissioning of the Irigaray 5I7 test site ponds began on May 24, 2000, with the transfer of water and sludge from pond IR-3 to pond IR-2B. On May 31, 2000, after all of the water and sludge had been removed from pond IR-3, the liner was cleaned, surveyed, removed, and released to an unrestricted area. Removal of water and sludge from pond IR-2B continues at the time of this report. Final decommissioning, including soil surveys and possible cleanup, will not be conducted until the final Decommissioning Plan is approved.

2.3.2 Deep Disposal Well

A total of 21,669,862 gallons were injected into Class I injection well COGEMA DW No. 1, and a total of 9,527,783 gallons have been injected into Class I injection well COGEMA DW No. 18-3. Both are located at the Christensen Ranch Project.

2.4 Well Integrity Test Summary

Mechanical integrity testing was conducted on a total of 636 wells from Mine Units 6, 7, 8, and 9 at the Irigaray Project, and Mine Units 3, 4, and 5 at the Christensen Ranch Project. A total of 44 well failures (6.9%) were located. The testing was done to meet the requirement for well retesting after five years of operation. No new wells were tested since none were installed. A summary of all mechanical integrity test results is given in Appendix 1 of the Annual Report.

3.0 EFFLUENT AND ENVIRONMENTAL MONITORING DATA

3.1 Surface Water Monitoring Data

3.1.1 Routine Surface Water Monitoring

Requirements for surface water monitoring include quarterly grab samples from upstream and downstream Willow Creek locations at both the Irigaray and Christensen Ranch Projects. In addition, Willow Creek samples are collected from Willow Creek immediately adjacent to the operating wellfields at both projects. The sampling locations are given on the Environmental Monitoring Station Locations map located in Appendix 5 of the Annual Report. The sample analysis data are given in Table 1, located at the end of the text portion of this report along with all other tables. No abnormal results were found and no trends were noted. The Powder River sample was collected on March 2, 2000.

3.1.2 NPDES Monitoring Program

Surface discharge occurred at the Irigaray Project from discharge point #001 intermittently and was sampled in accordance with the provisions of Wyoming NPDES Permit No. WY0028801. The discharge consisted of treated groundwater sweep solutions generated during the aquifer restoration in Production Units 7, 8, and 9, as well as treated water from the restoration ponds.

Permit No. WY0028801 (Irigaray discharge point #001) specifies that chemical oxygen demand shall be monitored on a quarterly basis. This effluent characteristic was inadvertently omitted on the quarterly chain of custody form and subsequently not monitored during the second quarter of 2000. A third quarter surface discharge sample was collected and analyzed for chemical oxygen demand. The results showed the chemical oxygen demand value to be <1.0 mg/l which is likely indicative of prior discharges. The sample analysis data are given in Tables 2A and 2B. Note that no discharge occurred during the report period at the Christensen Ranch Project (discharge point #002) under the Wyoming NPDES Permit No. WY0033642.

3.1.3 Evaporation Pond Analysis

Sampling of the evaporation ponds is conducted on a quarterly basis. The sample analysis data are given in Table 3.

3.2 Groundwater Monitoring Program Results

3.2.1 Irigaray and Christensen Ranch Projects

Sampling of the monitor and trend wells is conducted on a weekly, biweekly, monthly, or quarterly basis at the Irigaray and Christensen Ranch Projects. The sample time frame is dependant on the status of the well, or wellfield in which it is located. Sample analysis data from the monitor and trend wells are given in Appendix 2. Locations of the monitor and trend wells are found on the General Location Maps, located in Appendix 5.

Nine monitor wells were on excursion status during this report period. Eight of these wells are at the Irigaray Project, located within restored wellfields or wellfields undergoing restoration. The other well is located at the Christensen Ranch Project. Two wells were removed from excursion status and are summarized below.

Perimeter Ore Zone Monitor Well MW89: Christensen Production Unit 2.
Date of Initial Excursion: October 8, 1999 Date of Excursion Termination: June 28, 2000

Perimeter Ore Zone Monitor Well M2: Irigaray Production Unit 2.
Date of Initial Excursion: May 16, 2000 Date of Excursion Termination: June 7, 2000

Monthly and quarterly excursion status reports are submitted to the WDEQ and NRC, respectively. Therefore, the status of each monitor well which remained on excursion status will not be repeated in this report.

3.2.2 Irigaray 5I7/USMT Test Site

Sampling of the 5I7/USMT site monitor wells is conducted on an annual basis during late spring, and is included on Page 334 of Appendix 2.

3.2.3 Regional Groundwater Monitoring

Regional groundwater samples are collected on a quarterly basis from seven ranch wells at the Christensen Ranch Project and semi-annually from one ranch well at the Irigaray Project. The sample analysis data are given in Table 4. No trends or abnormal results were noted. Note that water levels can not be obtained from any of the wells because they have closed plumbing systems with no access for a water level probe. The sampling locations are provided on the Environmental Monitoring Station Locations Map, located in Appendix 5.

3.3 Radiological Effluent Monitoring Data

3.3.1 Radon Gas

Radon gas is monitored continuously at six environmental air sampling locations at or near the Irigaray Project and at four locations at or near the Christensen Ranch Project. The sampling locations are shown on the Environmental Monitoring Stations Location map, located in Appendix 5 of the Annual Report. Outdoor air radon detectors are exchanged and analyzed quarterly by Landauer, Inc., a NVLAP accredited company. The sample analyses data are given in Table 5. The first quarter concentrations averaged 2.33 E-9 uCi/ml for the 10 sample locations, which were elevated from previous years. Note that the first quarter average for 1999 was 1.02 uCi/ml. The second quarter concentrations looked normal with an average of 0.95 E-9 uCi/ml for the 10 sample locations. The 10 CFR Part 20, Appendix B effluent limit for radon is 1 E-8 uCi/ml.

In addition to the environmental radon monitoring, radon release estimates are calculated for both projects during production and/or restoration operations. These estimates are based upon the release rates given in the Calculation Of Annual Radon Emissions tables, of the approved license application. Table 7.3(A)-3, Christensen Ranch, lists a production release rate of 1,471 Ci/year

at a flow rate of 3,600 gpm (or 0.204 Ci per 6 month gpm), and a restoration release rate of 258 Ci/year at a flow rate of 500 gpm (or 0.258 Ci per 6 month gpm). Table 7.3(A)-7, Irigaray, lists a restoration release rate of 351 Ci/year at a flow rate of 500 gpm (or 0.351 Ci / 6 month / gpm). Using these factors and the 6 month average recovery flows listed in Section 2.2.1, the radon release to the environment during this report period is estimated as follows.

Christensen Ranch Project - Production (956 average gpm) (0.204 factor) = 195.0 Curies
Christensen Ranch Project - Restoration (344 average gpm) (0.258 factor) = 88.8 Curies
Irigaray Project - Restoration (256 average gpm) (0.351 factor) = 89.9 Curies

Total (January - June) 373.7 Curies

3.3.2 Gamma Radiation

Gamma radiation is monitored continuously at five environmental air sampling locations surrounding the Irigaray Project and at four locations surrounding the Christensen Ranch Project. TLDs are exchanged and analyzed quarterly by Eberline Dosimetry Services, a NVLAP accredited company. The dosimeter analysis data are given in Table 6. No trends or abnormal results were noted.

3.3.3 Dryer Stack Emissions

The yellowcake dryer operated for one campaign totaling 35 days during the report period. A total of 71,455 pounds of yellowcake (as U3O8) were processed through the dryer.

A semi-annual testing of the dryer stack for radiological and particulate emissions was conducted by Western Environmental, Inc., during the drying campaign. A copy of the emissions test report is included as Appendix 1. No trends or abnormal results were noted. A summary of the test results is as follows:

Constituent	lbs./hour*	μCi/ml*	WDEQ Permit Limits
Total Particulate	0.052 (17 % of limit)	---	0.30 lbs/hour
Unat (Total as U3O8)	0.0073	5.73 E-10	---
Thorium-230 (Total)	---	3.30 E-12	---
Radium-226 (Total)	---	3.10 E-13	---
Lead-210 (Total)	---	3.76 E-11	---

*Based on an average of analytical results from two tests.

3.3.4 Environmental Air Sampling

Environmental air particulate sampling was conducted on a continuous basis at five of the Irigaray Project's environmental air sampling locations. Filters were changed weekly, then composited for a quarterly analysis of uranium, Radium-226, Thorium-230 and Lead-210. The sample analysis data are given in Table 7A and 7B. All parameters were well below their effluent limits

(<10%) given in Appendix B, Table 2, of 10 CFR Part 20. No trends or abnormal results were noted.

3.3.5 Soils and Vegetation

Annual soil and vegetation samples were collected at five environmental air sampling locations surrounding the Irigaray Project and at four locations surrounding the Christensen Ranch Project. Soil and vegetation sample analysis data for uranium, thorium-230, radium-226, lead-210, are given in Tables 8 and 9. No trends or abnormal results were noted.

4.0 CORRECTIVE ACTIONS/RECOMMENDATIONS

4.1 Wellfield Corrective Actions

Corrective actions for wellfields at the Irigaray and Christensen Ranch Projects consisted of selected over-recovery, to draw back pockets of lixiviant to the wellfield. Over-recovery is accomplished by reducing injection flow and/or increasing production flow, and is concentrated near monitor wells which show increasing trends or are on excursion status. Specific corrective actions taken during the report period were given in the monthly and quarterly excursion status reports submitted to the WDEQ and NRC, respectively.

5.0 OTHER INFORMATION REQUIRED BY NRC LICENSE SUA-1341

5.1 Bioassay Results

There were no employee urinalysis which exceeded the 15 ug/l administrative level for uranium, specified in the Approved License Application.

6.0 RESTORATION PROGRESS: January 2000 - June 2000

See Section 4. of the Annual Report contained within this binder.

TABLES

TABLE 1

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected:Annual sample collected 02-Mar-00
Sample Location: IR-5, Powder River at IR Ranch Site
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.98 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	236	1	N/A	N/A	N/A
Cl	179	1	N/A	N/A	N/A
TDS	1910	2	N/A	N/A	N/A
Specific Conductivity	2650	1	N/A	N/A	N/A
SO4	941	1	N/A	N/A	N/A
pH	8.30	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Medium

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected:02-Mar-00
Sample Location: IR-9, Downstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	3.70 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	234	1	N/A	N/A	N/A
Cl	101	1	N/A	N/A	N/A
TDS	6100	2	N/A	N/A	N/A
Specific Conductivity	6720	1	N/A	N/A	N/A
SO4	3840	1	N/A	N/A	N/A
pH	8.03	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.022	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected:02-Mar-00
Sample Location: IR-14, Upstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.91 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	87	1	N/A	N/A	N/A
Cl	21.1	1	N/A	N/A	N/A
TDS	1320	2	N/A	N/A	N/A
Specific Conductivity	1730	1	N/A	N/A	N/A
SO4	809	1	N/A	N/A	N/A
pH	7.79	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected:02-Mar-00
Sample Location: IR-17, Mine Site, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.85 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	267	1	N/A	N/A	N/A
Cl	44.2	1	N/A	N/A	N/A
TDS	3750	2	N/A	N/A	N/A
Specific Conductivity	4140	1	N/A	N/A	N/A
SO4	2290	1	N/A	N/A	N/A
pH	7.82	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected:26-Jan-00
Sample Location:CR GS-01, Downstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	6.23 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	127	1	N/A	N/A	N/A
Cl	12	1	N/A	N/A	N/A
TDS	837	2	N/A	N/A	N/A
Specific Conductivity	1250	1	N/A	N/A	N/A
SO4	482	1	N/A	N/A	N/A
pH	7.91	0.01	N/A	N/A	N/A
As	0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected:26-Jan-00
Sample Location: CR GS-03, Mine Site, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.21 E-07	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	443	1	N/A	N/A	N/A
Cl	89	1	N/A	N/A	N/A
TDS	4500	2	N/A	N/A	N/A
Specific Conductivity	5170	1	N/A	N/A	N/A
SO4	2660	1	N/A	N/A	N/A
pH	7.89	0.01	N/A	N/A	N/A
As	0.003	0.001	N/A	N/A	N/A
Se	0.084	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected:26-Jan-00
Sample Location: CR CG-05, Upstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	3.18 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	398	1	N/A	N/A	N/A
Cl	17.9	1	N/A	N/A	N/A
TDS	2920	2	N/A	N/A	N/A
Specific Conductivity	3440	1	N/A	N/A	N/A
SO4	1660	1	N/A	N/A	N/A
pH	8.13	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected: 24-May-2000
Sample Location: IR-9, Downstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	3.95 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	152	1	N/A	N/A	N/A
Cl	159	1	N/A	N/A	N/A
TDS	5770	2	N/A	N/A	N/A
Specific Conductivity	6500	1	N/A	N/A	N/A
SO4	3740	1	N/A	N/A	N/A
pH	7.76	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.009	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected: 24-May-2000
Sample Location: IR-14, Upstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	8.60 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	58	1	N/A	N/A	N/A
Cl	76.6	1	N/A	N/A	N/A
TDS	4570	2	N/A	N/A	N/A
Specific Conductivity	5130	1	N/A	N/A	N/A
SO4	2850	1	N/A	N/A	N/A
pH	7.58	0.01	N/A	N/A	N/A
As	0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected: 24-May-2000
Sample Location: IR-17, Mine Site, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.30 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	282	1	N/A	N/A	N/A
Cl	42.7	1	N/A	N/A	N/A
TDS	3800	2	N/A	N/A	N/A
Specific Conductivity	4200	1	N/A	N/A	N/A
SO4	2370	1	N/A	N/A	N/A
pH	7.79	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected: 24-May-2000
Sample Location:CR GS-01, Downstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.44 E-07	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	394	1	N/A	N/A	N/A
Cl	87.0	1	N/A	N/A	N/A
TDS	5710	2	N/A	N/A	N/A
Specific Conductivity	6300	1	N/A	N/A	N/A
SO4	3330	1	N/A	N/A	N/A
pH	7.96	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.010	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected: 24-May-2000
Sample Location: CR GS03, Mine Site, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.22 E-07	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	382	1	N/A	N/A	N/A
Cl	60.9	1	N/A	N/A	N/A
TDS	5260	2	N/A	N/A	N/A
Specific Conductivity	5970	1	N/A	N/A	N/A
SO4	3350	1	N/A	N/A	N/A
pH	7.97	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.011	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Semi-Annual Report, January - June, 2000
NRC License SUA-1341

Date Collected: 24-May-2000
Sample Location: CR CG-05, Upstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.36 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	320	1	N/A	N/A	N/A
Cl	11.7	1	N/A	N/A	N/A
TDS	2310	2	N/A	N/A	N/A
Specific Conductivity	2820	1	N/A	N/A	N/A
SO4	1390	1	N/A	N/A	N/A
pH	8.08	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 2A

COGEMA Mining, Inc.
DISCHARGE POINT 001
Irigaray

PARAMETER	01-00	02-00	03-00	04-00	05-00	06-00	PERMIT REQUIREMENT AVG.	PERMIT REQUIREMENT MAX.
Flow (MGD) Average	0.029	0.037	0.049	0.042	0.039	0.044	N/A	N/A
Total Uranium (U) (mg/l)	0.0530	0.034	0.037	0.118	0.08	0.109	2	4
Dissolved Radium-226 (pCi/l) Average	2.10	<0.2	2.25	0.3	1.5	<0.2	3	10
Total Suspended Solids (mg/l) (weekly avg.)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	20	30
Total Dissolved Solids (mg/l)	674	726.000	692	827	837	513	N/A	5000
QUARTERLY ANALYSIS	Jan 2000			May 2000				
Uranium Total (uCi/ml)	3.59 E-08			7.58 E-08			3E-07*	
Radium 226 Total (uCi/ml)	<2.0 E-10			<2.0 E-10			6E-08*	
Thorium-230 Total (uCi/ml)	<2.0 E-10			<2.0 E-10			1E-07*	
Pb-210 Total (uCi/ml)	<1.0E-09			<1.0 E-9			1E-08*	
Po-210 Total (uCi/ml)	<1.0E-09			<1.0 E-9			4E-08*	
Zinc Total (mg/l)	<0.01			<0.01			0.5	1.0
pH (units)	6.7			6.34			6.00	9.00
Selenium (mg/l)	0.002			0.003			N/A	0.05

N.D. - No Discharge
N/A - Not Available
* 10 CFR 20, Appendix B, Table II, Column II Effluent Limitations

TABLE 2B

COGEMA Mining, Inc.
DISCHARGE POINT 002
Christensen

PARAMETER	01-00	02-00	03-00	04-00	05-00	06-00	PERMIT REQUIREMENT AVG.	PERMIT REQUIREMENT MAX.
Flow (MGD) Average	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N/A	N/A
Total Uranium (U) (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	4
Dissolved Radium-226 (pCi/l) Average	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	10
Total Suspended Solids (mg/l) (weekly avg.)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	20	30
Total Dissolved Solids (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N/A	5000
QUARTERLY ANALYSIS	January 2000			April 2000				
Uranium Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3E-07*	
Radium 226 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6E-08*	
Thorium-230 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1E-07*	
Pb-210 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1E-08*	
Po-210 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4E-08*	
Zinc Total (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	1.0
pH (units)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6.00	9.00
Selenium (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N/A	0.05

N.D. - No Discharge
N/A - Not Available
* 10 CFR 20, Appendix B, Table II, Column II Effluent Limitations

Table 3

QUARTERLY WASTE POND ANALYSIS
FIRST QUARTER 2000, 01-13-00
SEMI-ANNUAL REPORT, 2000

IRIGARAY - mg/l

	IR-1	IR-2A	IR-2B	IR-3	IR-A	IR-B
Cl	61,900	115,000	115,000	3,980	185,000	93,200
NH4as N	2.77	33.2	8.33	0.63	182	45.4
NO3 as N	0.20	0.23	0.22	0.18	0.50	0.54
pH	8.71	8.50	8.89	8.54	7.23	8.07
SO4	7,490	6,920	7,230	6,020	185,000	7,290
Conductivity	140,000	250,000	258,000	93,800	350,000	230,000
U	198.0	95.0	85.3	51.8	0.650	7.40
TDS	120,000	195,000	198,000	70,900	312,000	172,000
Zinc	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ra 226 (pCi/l)	7.8 +/- 0.5	20.4 +/- 1.5	14.6 +/- 1.3	3.2 +/- 0.3	284 +/- 5.6	27.8 +/- 2.7

IRIGARAY - mg/l

	IR-C	IR-D	IR-E	IR-RA	IR-RB
Cl	138,000	159,000	163,000	2,700	4,080
NH4 as N	302	71.5	55.8	0.20	0.19
NO3 as N	19.1	0.28	0.83	<0.10	<0.010
pH	6.27	7.94	6.89	7.88	8.87
SO4	8,340	7,540	8,100	4,910	5,010
Conductivity	292,000	322,000	328,000	22,600	27,000
U	36.3	21.8	38.0	35.2	60.1
TDS	232,000	259,000	275,000	17,500	20,500
Zinc	<0.01	<0.01	0.04	<0.01	<0.01
Ra 226 (pCi/l)	352 +/- 6.0	205 +/- 4.7	2,280 +/- 15.2	110 +/- 3.6	1.9 +/- 0.3

CHRISTENSEN - mg/l

	CR-1	CR-2	CR-3	CR-4	CR-P1
Cl	355	161	187	161	11.5
NH4 as N	0.05	0.16	0.08	<0.05	<0.05
NO3 as N	<0.10	0.39	0.51	<0.10	<0.10
SO4	671	1,420	1,490	1,480	29.1
pH	8.04	7.69	7.80	6.48	7.66
Conductivity	3,360	5,670	6,350	5,280	1,500
U	5.25	1.13	1.76	1.22	0.121
TDS	2,180	4,410	4,820	4,000	919
Zinc	<0.01	<0.01	<0.01	<0.01	<0.01
Ra 226 (pCi/l)	107 +/- 3.2	410 +/- 6.1	355 +/- 5.8	573 +/- 7.4	1.7 +/- 0.2

Table 3 (Cont.)

QUARTERLY WASTE POND ANALYSIS
SECOND QUARTER 2000, 05-04-00
SEMI-ANNUAL REPORT, 2000

IRIGARAY - mg/l

	IR-1	IR-2A	IR-2B	IR-3	IR-A	IR-B
Cl	84,800	145,000	110,000	39,800	16,700	96,000
NH4 as N	1.31	10614.6	1.31	0.57	171	25.2
NO3 as N	0.23	0.39	0.47	<0.10	0.60	0.61
pH	8.70	8.25	8.53	9.01	6.84	8.43
SO4	14,800	15,300	15,800	594	13,400	13,800
Conductivity	175,000	308,000	278,000	99,400	340,000	234,000
U	559	273	217	61.4	2.81	267
TDS	167,000	262,000	227,000	73,200	287,000	178,000
Zinc	,0.15	0.09	0.09	0.07	0.30	0.13
Ra 226 (pCi/l)	11.6 +/- 1.2	28.8 +/- 1.8	19.8 +/- 1.6	3.8 +/- 0.4	165 +/- 4.0	52.9 +/- 3.1

IRIGARAY - mg/l

	IR-C	IR-D	IR-E	IR-RA	IR-RB
Cl	152,000	166,000	166,000	3,180	3,660
NH4 as N	358	64.6	59.1	0.19	0.16
NO3 as N	18.8	0.43	0.75	0.13	<0.10
pH	6.11	7.74	6.38	8.28	8.47
SO4	14,900	12,000	12,100	7,410	6,970
Conductivity	316,000	173,000	334,000	21,100	27,700
U	31.9	27.2	45.6	60.1	64.1
TDS	257,000	279,000	285,000	21,100	21,800
Zinc	0.76	0.16	1.79	0.06	0.09
Ra 226 (pCi/l)	318 +/- 5.5	168 +/- 4.0	1410 +/- 11.8	13.2 +/-1.8	4.9 +/- 1.4

CHRISTENSEN - mg/l

	CR-1	CR-2	CR-3	CR-4	CR-P1
Cl	361	163	159	1159	11.3
NH4 as N	0.05	0.11	<0.05	<0.05	<0.05
NO3 as N	<0.10	<0.10	<0.10	<0.10	<0.10
pH	9.41	8.43	8.76	8.94	8.99
SO4	5,670	1,360	1,070	1,050	33.1
Conductivity	3,380	5,570	5,650	5,700	1,440
U	7.19	5.96	8.76	4.52	0.0135
TDS	2,130	3,950	3,950	3,960	889
Zinc	0.07	0.05	0.15	0.07	0.09
Ra 226 (pCi/l)	33.0 +/- 1.8	95.2 +/- 2.9	49.4 +/- 2.1	43.9 +/- 2.1	<0.2

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Date Collected:26-Jan-00
Sample Location: Christensen Ranch House #3
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	1.39 E-08	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	9.0 E-10	2.0 E-10	2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected:02-Mar-00
Sample Location: Christensen Ellendale #4
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	6.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected:02-Mar-00
Sample Location: Christensen Willow Corral #32
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	<2.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected:26-Jan-00
Sample Location: Christensen First Artesian Well #1
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	3.4 E-09	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	7.0 E-10	2.0 E-10	2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

Date Collected:26-Jan-00
Sample Location: Christensen Middle Artesian
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	7.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected:02-Mar-00
Sample Location: Christensen Del Gulch Lower #13
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	1.6 E-09	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected:26-Jan-00
Sample Location:North Prong #21
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	<2.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected:02-Mar-00
Sample Location: IR Willow #2 (Semi-Annual)
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	<2.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Chemical Parameters	Concentration (mg/l)	Detection Lim (mg/l)
Chloride	6.7	1.0
Conductivity	516.0	1.0

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Date Collected: 24-MAY-00
Sample Location: Christensen Ranch House #3
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	1.81 E-08	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	8.0 E-10	2.0 E-10	2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected: 24-MAY-00
Sample Location: Christensen Ellendale #4
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	9.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	6.0 E-10	2.0 E-10	2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected: 24-MAY-00
Sample Location: Christensen Willow Corral #32
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	<2.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected: 24-MAY-00
Sample Location: Christensen First Artesian Well #1
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	<2.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

Date Collected: 24-MAY-00
Sample Location: Christensen Middle Artesian
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	7.5 E-09	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	1.1 E-09	2.0 E-10	2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected: 24-MAY-00
Sample Location: Christensen Del Gulch Lower #13
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	2.0 E-09	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	3.9 E-09	1.5 E-09	1.0 E-09

Date Collected: 24-MAY-00
Sample Location: Christensen North Prong #21R
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)
U (Total)	4.0 E-10	N/A (a)	2.0 E-10
Th-230 (Total)	<2.0 E-10		2.0 E-10
Ra-226 (Total)	<2.0 E-10		2.0 E-10
Pb-210 (Total)	<1.0 E-09		1.0 E-09
Po-210 (Total)	<1.0 E-09		1.0 E-09

Date Collected:Semi-annual sample collected previous quarter.
Sample Location:Willow #2, Irigaray
Sample Type: Regional Ground Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	(uCi/ml)	(uCi/ml)	(uCi/ml)
U (Total)		N/A (a)	2.0 E-10
Th-230 (Total)			2.0 E-10
Ra-226 (Total)			2.0 E-10
Pb-210 (Total)			1.0 E-09
Po-210 (Total)			1.0 E-09

Chemical Parameters	Concentration (mg/l)	Detection Lim (mg/l)
Cl		0.5
Specific Conductivity		1

COGEMA Mining, Inc.
Environmental Radon Monitoring
Year: 2000

TABLE 5

Location	1st Quarter uCi/ml	2nd Quarter uCi/ml	3rd Quarter uCi/ml	4th Quarter uCi/ml	Location Average uCi/ml	% of Pt. 20, App. B Effluent Conc. Limit 1 E-8 uCi/ml
IRIGARAY PROJECT						
IR-1 (Downwind of Restricted Area)	1.9 E-9 +/- 0.1	0.9 E-9 +/- 0.2			1.40 E-9	14.0 %
IR-3 (Upwind of Restricted Area)	1.8 E-9 +/- 0.1	1.0 E-9 +/- 0.2			1.40 E-9	14.0 %
IR-4 (North Road)	2.2 E-9 +/- 0.1	0.9 E-9 +/- 0.2			1.55 E-9	15.5 %
IR-5 (Irigaray Ranch - nearest resident)	1.8 E-9 +/- 0.1	0 .7 E-9 +/- 0.2			1.25 E-9	12.5 %
IR-6 (Ridge Road S.E. - background)	2.1 E-9 +/- 0.1	1.0 E-9 +/- 0.2			1.55 E-9	15.5 %
IR-13 (Employee House Trailer)	3.2 E-9 +/- 0.1	1.2 E-9 +/- 0.2			2.20 E-9	22.0 %
CHRISTENSEN PROJECT						
AS-1 (Table Mountain - Background))	3.3 E-9 +/- 0.1	1.0 E-9 +/- 0.2			2.15 E-9	21.5 %
AS-5A (CR Plant Upwind S.E.)	2.4 E-9 +/- 0.1	1.1 E-9 +/- 0.2			1.75 E-9	17.5 %
AS-5B (CR Plant Downwind N.W.)	2.4 E-9 +/- 0.1	0.9 E-9 +/- 0.2			1.65 E-9	16.5 %
AS-6 (Christensen Ranch-Nearest Resident)	2.2 E-9 +/- 0.1	0.8 E-9 +/- 0.2			1.50 E-9	15.0 %
Quarterly average	2.33 E-9	0.95 E-9				

LLD = 0.3 pCi/l

COGEMA Mining, Inc.
Environmental Gamma Monitoring
Year: 2000

TABLE 6

Location	1st Quarter mrem/quarter	2nd Quarter mrem/quarter	3rd Quarter mrem/quarter	4th Quarter mrem/quarter	Location Average mrem/quarter
IRIGARAY PROJECT					
IR-1 (Downwind of Restricted Area)	36.6 + / - 15.5	40.6 + / - 3.6			38.6
IR-3 (Upwind of Restricted Area)	54.6 + / - 4.4	49.8 + / - 0.9			52.2
IR-4 (North Road)	38.0 + / - 3.5	34.4 + / - 5.4			36.2
IR-5 (Irigaray Ranch - nearest resident)	30.4 + / - 15.3	30.8 + / - 3.3			30.6
IR-6 (Ridge Road S.E. - Background)	38.6 + / - 3.9	30.0 + / - 5.7			34.3
IR-13 (Employee House Trailer)	41.0 + / - 12.8	33.2 + / - 9.0			37.1
CHRISTENSEN PROJECT					
AS-1 (Table Mountain - Background)	35.6 + / - 6.7	36.4 + / - 4.4			36.0
AS-5A (CR Plant Upwind S.E.)	39.6 + / - 9.4	35.2 + / - 7.7			37.4
AS-5B (CR Plant Downwind N.W.)	37.8 + / - 6.2	34.8 + / - 9.5			36.3
AS-6 (Christensen Ranch - nearest resid.)	41.6 + / - 2.3	37.6 + / - 5.0			39.6
Quarterly average	39.4	36.3			

COGEMA Mining, Inc. **TABLE 7A**
Wyoming Operations
Quarterly Air Samples
Irigaray Project, 1st Quarter of 2000
Sample Type: Composite of continuous weekly air sample filters

Irigaray Project Location 1st Quarter (January, February, March)	Uranium uCi / ml	Th-230 uCi / ml	Ra-226 uCi / ml	Pb-210 uCi / ml
IR-1 (Downwind of Restricted Area) % of Pt. 20, App. B, Effluent Limit	3.09 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.1 %	7.09 E-15 +/- .58 1.2 %
IR-3 (Upwind of Restricted Area) % of Pt. 20, App. B, Effluent Limit	6.38 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.1 %	9.46 E-15 +/- .61 1.6 %
IR-5 (Irigaray Ranch - nearest resident) % of Pt. 20, App. B, Effluent Limit	2.14 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.1 %	4.46 E-15 +/- .28 0.7 %
IR-6 (Background) % of Pt. 20, App. B, Effluent Limit	6.49 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.1 %	2.78 E-14 +/- .24 4.6 %
IR-13 (Employee House Trailer) % of Pt. 20, App. B, Effluent Limit	3.15 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.1 %	6.97 E-15 +/- .59 1.2 %

Analyses performed by Energy Laboratories, Incorporated (ELI), Casper, Wyoming
* The activity for uranium is a mathematical calculation based on a chemical analysis, therefore, no precision estimate (error) is given.

Energy Lab LLD's
Uranium = 1.0 E-16
Th-230 = 1.0 E-16
Ra-226 = 1.0 E-16
Pb-210 = 2.0 E-15

Pt. 20, App.B, Effluent Limits (uCi / ml)
Uranium = 1.9 E-12 (50%D and 50% W)
Th-230 = 3.0 E-14 (Y)
Ra-226 = 9.0 E-13 (W)
Pb-210 = 6.0 E-13 (D)

LOTUS:\S-TABLES\AIR-7a

COGEMA Mining, Inc. **TABLE 7B**
Wyoming Operations
Quarterly Air Samples
Irigaray Project, 2nd Quarter of 2000
Sample Type: Composite of continuous weekly air sample filters

Irigaray Project Location 2nd quarter (April, May, June)	Uranium uCi / ml	Th-230 uCi / ml	Ra-226 uCi / ml	Pb-210 uCi / ml
IR-1 (Downwind of Restricted Area) % of Pt. 20, App. B, Effluent Limit	1.16 E-15 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.01 %	6.98 E-15 +/- .8 1.2 %
IR-3 (Upwind of Restricted Area) % of Pt. 20, App. B, Effluent Limit	2.55 E-15 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.01 %	6.89 E-15 +/- .1 1.1 %
IR-5 (Irigaray Ranch - nearest resident) % of Pt. 20, App. B, Effluent Limit	1.57 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.01 %	5.89 E-15 +/- .9 1.0 %
IR-6 (Background) % of Pt. 20, App. B, Effluent Limit	4.50 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.01 %	6.86 E-15 +/- .9 1.1 %
IR-13 (Employee House Trailer) % of Pt. 20, App. B, Effluent Limit	< 1.00 E-16 < 0.1 %	< 1.00 E-16 < 0.33 %	< 1.00 E-16 < 0.01 %	8.30 E-15 +/- .1 1.4 %

Analyses performed by Energy Laboratories, Incorporated (ELI), Casper, Wyoming
* The activity for uranium is a mathematical calculation based on a chemical analysis, therefore, no precision estimate (error) is given.

Energy Lab LLD's
Uranium = 1.0 E-16
Th-230 = 1.0 E-16
Ra-226 = 1.0 E-16
Pb-210 = 2.0 E-15

Pt. 20, App.B, Effluent Limits (uCi / ml)
Uranium = 1.9 E-12 (50%D and 50% W)
Th-230 = 3.0 E-14 (Y)
Ra-226 = 9.0 E-13 (W)
Pb-210 = 6.0 E-13 (D)

LOTUS:\S-TABLES\AIR-7b

COGEMA Mining, Inc.
Wyoming Operations
Annual Soil Samples
Date Sampled: 6-14-00
Sample Type: Composite

TABLE 8

Location	Uranium * uCi / gram	Th-230 uCi / gram	Ra-226 uCi / gram	Pb-210 uCi / gram
IRIGARAY PROJECT				
IR-1 (Downwind of Restricted Area)	4.50 E-6	0.90 +/- 0.14 E-6	1.32 +/- 0.12 E-6	1.52 +/- 0.40 E-6
IR-3 (Upwind of Restricted Area)	11.1 E-6	0.64 +/- 0.12 E-6	0.83 +/- 0.10 E-6	0.50 +/- 0.18 E-6
IR-4 (North Road - Background)	0.53 E-6	0.65 +/- 0.11 E-6	0.82+/- 0.10 E-6	1.38 +/- 0.39 E-6
IR-5 (Irigaray Ranch - nearest resident)	0.67 E-6	0.43 +/- 0.08 E-6	0.67 +/- 0.09E-6	1.01 +/- 0.37 E-6
IR-6 (Ridge Road S.E.)	0.98 E-6	0.95 +/- 0.16 E-6	1.07 +/- 0.11 E-6	0.74 +/- 0.19 E-6
CHRISTENSEN PROJECT				
AS-1 (Table Mountain - Background))	0.70 E-6	0.65 +/- 0.12 E-6	0.70 +/- 0.09 E-6	0.66 +/- 0.19 E-6
AS-5A (CR Plant Upwind S.E.)	2.65 E-6	1.05 +/- 0.16 E-6	1.54 +/- 0.13 E-6	0.92 +/- 0.19 E-6
AS-5B (CR Plant Downwind N.W.)	1.39 E-6	0.83 +/- 0.12 E-6	1.20 +/- 0.12 E-6	0.43 +/- 0.18 E-6
AS-6 (Christensen Ranch-Nearest Resident)	1.14 E-6	0.88 +/- 0.18 E-6	0.99 +/- 0.11 E-6	1.12 +/- 0.37 E-6

Analyses performed by Energy Laboratories, Incorporated (ELI), Casper, Wyoming

* The activity for uranium is a mathematical calculation based on a chemical analysis, therefore, no precision estimate (error) is given.

Energy Lab LLD's (uCi / g)
Uranium = 1.0 E-8
Th-230 = 1.0 E-8
Ra-226 = 1.0 E-8
Pb-210 = 5.0 E-8

COGEMA Mining, Inc.
Wyoming Operations
Annual Vegetation Samples
Date Sampled: 6-14-00
Sample Type: Composite

TABLE 9

Location	Uranium * uCi / Kg (wet)	Th-230 uCi / Kg (wet)	Ra-226 uCi / Kg (wet)	Pb-210 uCi / Kg (wet)
IRIGARAY PROJECT				
IR-1 (Downwind of Restricted Area)	1.2 E-4	1.2 +/- 0.4 E-6	1.3 +/- 0.3 E-6	7.0 +/- 1.7 E-5
IR-3 (Upwind of Restricted Area)	1.9 E-4	< 4.2 E-7	7.4 +/- 2.3 E-6	4.4 +/- 1.7 E-5
IR-4 (North Road - Background)	1.5 E-4	5.2 +/- 0.5 E-6	6.4 +/- 0.6 E-6	8.1 +/- 1.7 E-5
IR-5 (Irigaray Ranch - nearest resident)	1.6 E-5	< 4.2 E-7	5.6 +/- 0.2 E-6	< 2.1 E-6
IR-6 (Ridge Road S.E.)	3.6 E-5	1.2 +/- 0.4 E-6	2.0 +/- 0.3 E-6	4.8 +/- 1.7 E-5
CHRISTENSEN PROJECT				
AS-1 (Table Mountain - Background))	2.4 E-5	< 4.2 E-7	1.2 +/- 0.3 E-6	< 2.1 E-6
AS-5A (CR Plant Upwind S.E.)	6.5 E-5	1.4 +/- 0.5 E-6	2.4 +/- 0.4 E-6	4.2 +/- 1.6 E-5
AS-5B (CR Plant Downwind N.W.)	1.3 E-5	< 4.2 E-7	1.4 +/- 0.3 E-6	< 2.1 E-6
AS-6 (Christensen Ranch-Nearest Resident)	1.2 E-5	< 4.2 E-7	1.9 +/- 1.0 E-6	3.7 +/- 1.6 E-5

Analyses performed by Energy Laboratories, Incorporated (ELI), Casper, Wyoming
* The activity for uranium is a mathematical calculation based on a chemical analysis, therefore, no precision estimate (error) is given.
The Energy Lab LLD's listed below are based on the wieght of the samples.

LLD's (uCi / Kg): Uranium = 2.2 E-7
Th-230 = 4.2 E-7
Ra-226 = 2.2 E-7
Pb-210 = 2.1 E-6

APPENDIX 1

Western Environmental Services & Testing, Inc.
Dryer Stack Emissions Test Results
May 9, 2000

COGEMA RESOURCES COMPANY
LYNCH, WYOMING

YELLOW CAKE DRYER STACK

May 9, 2000

File Number 00-1057

Prepared By

WESTERN
ENVIRONMENTAL
SERVICES AND
TESTING INC.
A Hawks Industries Company

913 Foster Road, Casper, WY 82601
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A. Field Testing Data

B. Computer Data Entry

C. Analytical Data

D. Equipment Calibration

E. Chain of Custody

F. Resumes of Test Personnel

I. INTRODUCTION AND SUMMARY OF RESULTS

Cogema Resource Company contracted Western Environmental Services and Testing, Inc. (WEST) of Casper, Wyoming to conduct compliance testing at their uranium mill near Lynch, Wyoming.

The Yellow Cake Dryer Stack was tested by EPA Methods 1, 2, 3, 4 and 5 to demonstrate compliance with Wyoming Department of Environmental Quality (WYDEQ), Air Quality Division (AQD) Permit Number OP254. Emissions of radium$_{226}$, thorium$_{230}$, lead$_{210}$, and uranium were also determined by analyzing the particulate collected.

Messrs. Bill Byrd and Bruce Sullivan of WEST conducted the particulate testing on May 9, 2000. Mr. John Vaselin of COGEMA was also present.

Within this report the term "U_3O_8" is used generically to describe the uranium product emitted from the dryer stack. The actual composition of the uranium portion of the product produced by Cogema is 84% metastudite (UO_4 $2H_2O$) and 16% UO_3. The uranium trapped in the scrubber water, and which is emitted from the stack, is 99.5% UO_3, and 0.5% U_3O_7. These chemical compositions have been substantiated by Cogema through x-ray defraction work conducted at the South Dakota School of Mines and Technology and Hazen Research, Inc. in Golden, Colorado.

Table 1
Yellow Cake Dryer Source Information

Exit Height (feet above ground)	approximately 40
Stack Diameter (Inches)	16
Port and Wall Thickness (Inches)	$^1/_4$
Upstream Diameters (Distance) from Test Ports to Flow Disturbance	9.5 diameters (12 ft., 11 in.)
Downstream Diameters (Distance) from Test Ports to Flow Disturbance	15 diameters (20 ft.)
Plant Production Rate - During Test	175 lbs/hr
- Daily Rate	175 lbs/hr

II. SUMMARY OF RESULTS

The principal conclusions are:

1. The emissions of particulate matter from the Dryer Stack were 0.052 pounds per hour (0.0026 grains per dry standard cubic foot), based on averaging the two tests using the "front-half" collections of the EPA type sampling train.
2. The two test average concentrations of Uranium-natural (U) were 5.73×10^{-10} µCi/ml, based on the "front and back-half" collections of the EPA-type sampling train.
3. The two test average emissions of U_3O_8 from the Dryer Stack were 0.0073 pounds per hour, based on the "front and back-half" collections of the EPA type sampling train.
4. The two test average emissions of $Radium_{226}$ from the Dryer Stack were 3.10×10^{-13} µCi/ml, based on the "front and back-half" collections of the EPA-type sampling train.
5. The two test average emissions of $Thorium_{230}$ from the Dryer Stack were 3.30×10^{-12} µCi/ml, based on the "front and back-half" collections of the EPA-type sampling train.
6. The two test average emissions of lead (Pb_{210}) from the Dryer Stack were 3.76×10^{-11} µCi/ml, based on the "front and back-half" collections of the EPA-type sampling train.
7. The allowable particulate matter emission rate is 0.30 pound per hour, as stated in Cogema Permit #OP-254. The particulate emissions averaged 17.3 percent of the allowable standard, based on the "front-half" collections of two tests.

III. TEST PARAMETERS

Table 2
Test Parameters and Particulate Results

	Run Number:	1	2	
	Start Date/Time	5/9/00 10:01	5/9/00 11:55	
	Stop Date/Time	5/9/00 11:15	5/9/00 13:00	
Test Parameters	**Units**			Average
P_{bar} (Barometric Pressure, absolute)	In. Hg	25.50	25.50	25.50
Y (Dry Gas Meter Calibration Factor)	unitless	0.992	0.992	0.992
C_p (Pitot tube Coefficient)	unitless	0.821	0.821	0.821
D_n (Diameter of Nozzle)	Inches	0.244	0.244	0.244
θ (Total Sampling Time of Test)	Minutes	60.00	60.00	60.00
ΔH (Orifice Pressure Drop)	In. H2O	1.19	1.20	1.20
V_m (Volume of Dry Gas Sampled - as measured)	ft^3 (dry)	39.808	40.533	40.170
T_m (Gas Meter Temperature, avg.)	Degr. F	62	70	66
V_{lc} (Condensate - impingers and silica gel)	ml or g	82.7	68.4	75.55
m_n (Mass of Particulate Collected)	mg	4.65	7.05	5.85
Location/Process Parameters				
A_s (Cross-sectional Area of Stack)	ft^2	1.40	1.40	1.40
P_g (Static Pressure of Stack Gas)	In. H2O	-0.11	-0.11	-0.11
T_s (Temperature of Stack Gas)	Deg. F	145	144	144
$\sqrt{\Delta p}$ (Sq. root of velocity head of gas)	In. H2O	0.6305	0.6325	0.63
CO_2 (Carbon Dioxide)	%	0.8	0.8	0.8
O_2 (Oxygen)	%	19.6	19.6	19.6
N_2 (Nitrogen)	%	79.6	79.6	79.6
Calculations				
V_{mstd} (Gas Sampled, standard conditions (std))	ft^3	34.18	34.25	34.21
V_{wstd} (Water Vapor in Gas Sampled, std)	ft^3	3.89	3.22	3.56
B_{ws} (Water Vapor in Gas, Proportion by Vol.)	%	10.23	8.59	9.41
G_d (Proportion of Dry Gas in stack)	%	89.77	91.41	90.59
M_d (Molecular Weight of Dry Stack Gas)	lb/lb-mole	28.91	28.91	28.91
M_s (Molecular Weight of Wet Stack Gas)	lb/lb-mole	27.80	27.97	27.89
P_s (Pressure of Stack Gas, Absolute)	In. Hg	25.49	25.49	25.49
Iso (Percent of Isokinetic Sampling)	%	107.2	105.4	106.28
Flow Results				
V_s (Average Stack Gas Velocity)	ft/m (fpm)	2453	2451	2452
Q_{std} (Dry Volumetric Flow Rate, std.)	ft^3/m (dscfm)	2290	2330	2310
Q_a (Measured Volumetric Flow Rate, Actual)	ft^3/m (cfm)	3420	3420	3420
Particulate Results				
C_s (Particulate Concentrations - std.)	gr/dscf	0.0021	0.0032	0.0026
E_p (Particulate Emission Rate)	lb/hr	0.041	0.063	0.052

Table 3
Radiochemistry Results

Test Parameters		Run 1	Run 2	Average
	Date:	9-May-00	9-May-00	
V_{mstd}	(dscf - std conditions)	34.18	34.25	
	(dscm - std conditions)	0.97	0.97	
Q_s	(Stack Flow Rate, dscm/hr)	3891	3959	3925
	(Stack Flow Rate, dscf/min)	2290	2330	2310
Radium$_{226}$	Amount collected (pCi/sample)	0.20	0.40	
	Possible error (pCi)	0.20	0.20	
	Lower level detected - LLD (pCi)	0.20	0.20	
	LLD concentration (µCi/ml)	2.07E-13	2.06E-13	2.06E-13
	Concentration, (µCi/ml)	2.07E-13	4.12E-13	3.10E-13
	Possible conc. error (µCi/ml)	2.07E-13	2.06E-13	2.06E-13
	Release Rate (Ci/Month*)	5.98E-07	1.21E-06	9.06E-07
	Release Rate Error (Ci/Month*)	5.98E-07	6.07E-07	6.03E-07
Thorium$_{230}$	Amount collected (pCi/sample)	3.0	3.4	
	Possible error (pCi)	1.4	1.4	
	Lower level detected - LLD (pCi)	0.4	0.4	
	LLD concentration (µCi/ml)	4.13E-13	4.12E-13	4.13E-13
	Concentration, (µCi/ml)	3.10E-12	3.51E-12	3.30E-12
	Possible conc. error (µCi/ml)	1.45E-12	1.45E-12	1.45E-12
	Release Rate (Ci/Month*)	8.97E-06	1.03E-05	9.65E-06
	Release Rate Error (Ci/Month*)	4.19E-06	4.25E-06	4.22E-06
Pb$_{210}$	Amount collected (pCi/sample)	32.40	40.40	
	Possible error (pCi)	3.60	3..60	
	Lower level detected - LLD (pCi)	0.40	0.40	
	LLD concentration (µCi/ml)	4.13E-13	4.12E-13	4.13E-13
	(concentration, µCi/ml)	3.35E-11	4.17E-11	3.76E-11
	(possible deviation/error, µCi/ml)	3.72E-12	3.71E-12	3.72E-12
	Release Rate (Ci/Month*)	9.69E-05	1.23E-04	1.10E-04
	Release Rate Error (Ci/Month*)	1.08E-05	1.09E-05	1.08E-05
Uranium Nat.	mass collected, (pCi/sample)	799	840	
	Lower level detected - LLD (µCi/ml)	0.03	0.03	
	LLD concentration (µCi/ml)	3.10E-14	3.09E-14	3.10E-14
	Concentration, (µCi/ml)	5.59E-10	5.86E-10	5.73E-10
	Release Rate (Ci/Month*)	1.59E-03	1.70E-03	1.65E-03
U_3O_8	lb/Hr	0.00708	0.00756	0.00732

* Release rates are based on 100% operation for the month (31 days)

IV. TEST PROCEDURES

A summary of the methods used to test the stack is shown below. Because standard EPA methodology was followed, only a brief description of each method is provided. Detailed US Environmental Protection Agency (EPA) methods are available in Title 40 of the Code of Federal Regulations (CFR), Part 60.

Part 60, Appendix A

Method 1	"Sample and Velocity Traverses for Stationary Sources"
Method 2	"Determination of Stack Gas Velocity and Volumetric Flow Rate"
Method 3	"Gas Analysis for the Determination of Dry Molecular Weight"
Method 4	"Determination of Moisture Content in Stack Gas"
Method 5	"Determination of Particulate Emissions from Stationary Sources"

Sampling Point Determination (Method 1)

EPA Method 1 was used to determine the location of sampling points. Stack sampling points shown below were based on the stack diameter and the distance from the test ports to flow disturbances. The stack was circular with two ports at 90° to each other.

Table 4
Sampling Points

Sample Point Number	% of Diameter	Inches from Wall
Point 1	4.4	$^{11}/_{16}$
Point 2	14.6	$2\ ^{5}/_{16}$
Point 3	29.6	$4\ ^{3}/_{4}$
Point 4	70.4	$11\ ^{1}/_{4}$
Point 5	85.4	$13\ ^{11}/_{16}$
Point 6	95.6	$15\ ^{5}/_{16}$

Velocity and Flow Rate Determination (Method 2)

Velocity and temperature was measured at the points determined by Method 1 during isokinetic testing. Wind tunnel calibrated pitot tubes were used to measure velocity head. Type K thermocouples with digital pyrometers were used to measure temperature.

Carbon Dioxide, Oxygen, and Dry Molecular Weight Determination (Method 3)

A portion of the gas from the sampling trains was collected in Tedlar bags. Analysis of carbon dioxide (CO_2) and oxygen (O_2) was performed with an Orsat Gas Analyzer. Dry molecular weight was calculated from CO_2 and O_2 concentrations.

Moisture Content Determination (Method 4)
Water entrained in the stack gas was condensed and collected in chilled impingers in conjunction with the isokinetic sampling. The volume of gas sampled was measured with a calibrated dry gas meter. Moisture content was calculated from the gas and liquid volumes.

Particulate Determination (Method 5)
Particulate matter was collected before and on a filter with a Method 5 train. Sixty-minute sampling runs were performed isokinetically in conjunction with Methods 1-4 on the Yellow Cake Dryer stack. Gas was withdrawn from the stack through a stainless steel nozzle and a glass lined probe before being drawn through a filter connected to the probe. Pre and posttest leak checks were performed for each run. All surfaces in contact with the sample prior to the filter were rinsed with acetone. The acetone was evaporated and then desiccated to a constant weight, along with the filter. Pitot, thermocouple, and meter calibrations are included in the appendix. A schematic of the sampling train is shown in Figure 1.

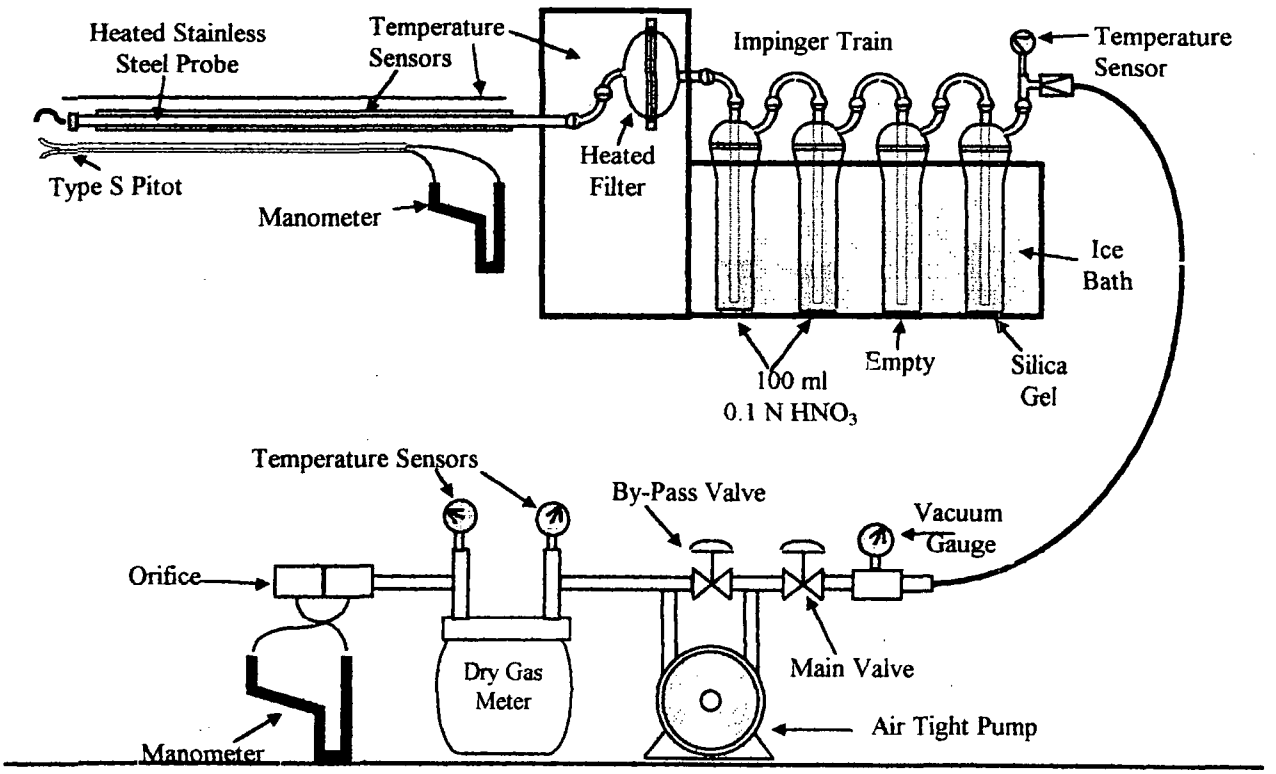

Figure 1
Method 5 Particulate Sample Train

V. SOURCE DESCRIPTION

In insitu uranium mining operations, uranium is extracted by leaching from an underground ore deposit. The leach solution containing soluble uranium is then pumped through ion-exchange resin, where the uranium is "loaded on the resin. The leaching solution is then reconstituted and pumped back underground."

The uranium is stripped from the resin in a concentrated form and precipitated with hydrogen peroxide in the form of uranyl peroxide. The uranyl peroxide is dried to form $UO_4 \circ 2H_2O$ and loaded into a 55-gallon drum for shipment.

The Wyoming Air Quality permit for the Yellow Cake Dryer is OP-254.

VI. CALCULATIONS

The values used in the sample calculations have been taken from Run 1 on the Yellow Cake Dryer Stack. Results shown below are computer generated to eliminate rounding error and may be slightly different if calculated with a calculator.

1. Volume of water collected (wscf):

$$V_{w(std)} = K(V_{lc})$$
$$= 0.04707(82.7)$$
$$= 3.89 \text{ wscf}$$

$V_{w(std)}$ = Volume (ft^3) of water collected, standard conditions

V_{lc} = Volume of liquid condensed in impingers, mg or ml

K = 0.04707 = Conversion factor (ft^3/ml)

2. Volume of gas metered, standard conditions (dscf)

$$V_{m(std)} = \frac{(K)(V_m)(P_{bar} + \frac{\Delta H}{13.6})(Y)}{(460 + T_m)}$$
$$= \frac{(17.647)(39.808)(25.50 + \frac{1.19}{13.6})(0.992)}{(460 + 62)}$$
$$= 34.18 dscf$$

$V_{m\ (std)}$ = Volume (ft^3) of gas through the dry gas meter, at standard conditions

V_m = Volume (ft^3) of gas sample through the dry gas meter, ambient conditions

P_{bar} = Barometric pressure (inches of Hg)

ΔH = Average pressure drop across meter orifice (in.H_2O)

Y = Dry gas meter conversion factor

T_m = Average dry gas meter temperature (°F)

K = 17.647 = Conversion factor (°R/inch Hg)

13.6 = Conversion factor (inch H_2O/inch Hg)

460 = Conversion constant (°F to °R)

3. Moisture content, %

$$B_{ws} = \frac{V_{w(std)}}{V_{m(std)} + V_{w(std)}} x100\%$$
$$= \frac{3.89}{34.18 + 3.89} x100\%$$
$$= 10.23\ \%$$

B_{ws} = Percent by volume of water vapor in the gas stream

$V_{w(std)}$ = Volume (ft^3) of water collected, at standard conditions

$V_{m(std)}$ = Volume (ft^3) of gas through the dry gas meter, at standard conditions

4. Dry Gas, %

$G_d = 100 - B_{ws}$

$= 100-(10.23)$

$= 89.77\ \%$

G_d = Percent of dry gas by volume in the gas stream

B_{ws} = Percent by volume of water vapor in the gas stream

5. Molecular weight of dry gas stream (lb/lb•mole)

$$M_d = M_{CO_2}\frac{(\%CO_2)}{(100)} + M_{O_2}\frac{(\%O_2)}{(100)} + (M_{CO\ or}M_{N_2})\frac{(\%CO + \%N2)}{(100)}$$

$$= 44.0\frac{(0.8)}{(100)} + 32.0\frac{(19.6)}{(100)} + 28.0\frac{(79.6)}{(100)}$$

$= 28.91$ lb/lbmole

M_d = Dry molecular weight of sample gas (lb/lb•mole)

M_{CO2} = Molecular weight of carbon dioxide (lb/lb•mole)

M_{O2} = Molecular weight of oxygen (lb/lb•mole)

$M_{CO\ orN2}$ = Molecular weight of CO or N_2 (lb/lb•mole)(Same)

CO_2 = Percent by volume of CO_2 in the gas stream

O_2 = Percent by volume of oxygen in the gas stream

$CO+N_2$ = Percent by volume of CO and N_2 in the gas stream

100 = Conversion from percent to decimal fraction

6. Molecular weight of sample gas (lb/lb•mole)

$M_s = (M_d)(G_d/100)+(M_{H2O})(B_{ws}/100)$

$= (28.91)(89.77/100)+(18)(10.23/100)$

$=27.80$ lb/lbmole

M_s = Molecular weight of sample gas, wet (lb/lb•mole)

M_d = Dry molecular weight of sample gas (lb/lb•mole)

G_d= Percent of dry gas by volume in the gas stream

B_{ws} = Percent by volume of water vapor in the gas stream

M_{H2O} = Molecular weight of water (lb/lb•mole)

7. Sample gas pressure (inches of Hg)

$$P_s = (P_{bar}) + \frac{(P_g)}{(13.6)}$$

$$=(25.50)+\frac{(-0.11)}{(13.6)}$$

$=25.49$ in. Hg

P_s = Absolute sample gas pressure (inches of Hg)

P_{bar} = Barometric pressure (inches of Hg)

P_g = Sample gas static pressure (inches of H_20)

13.6 = Conversion factor (inches H_2O/inches of Hg)

8. Velocity of sample gas (ft/min)

$$V_s = (K_p)(C_p)(60)(\sqrt{\Delta P})\left(\sqrt{\frac{(\overline{T_s} + 460)}{(M_s)(P_s)}}\right)$$

$$= (85.49)(0.821)(60)(0.6305)\sqrt{\frac{145 + 460}{(27.80)(25.49)}}$$

$$= 2{,}453 \text{ fpm}$$

C_p = Pitot tube constant
K_p = Velocity pressure coefficient (dimensionless)
60 = Conversion factor (sec/min)
M_s = Molecular weight of sample gas, wet (lb/lb•mole)
P_s = Absolute sample gas pressure (inches of Hg)
T_s = Average sample gas temperature (°F)
V_s = Sample gas velocity (ft/min)
$\sqrt{\Delta P}$ = Avg. square roots of stack gas velocity head (in H_2O)
460 = Conversion constant (°F to °R)

9. Total flow of sample gas (acfm)

$$Qa = (As)(Vs)$$
$$= (1.40)(2{,}453)$$
$$= 3{,}420 \text{ cfm}$$

Q_a = Volumetric flow rate at actual conditions (acfm)
A_s = Cross sectional area of sampling location (ft^2)
V_s = Sample gas velocity (ft/min)

10. Total flow of sample gas (dscfm)

$$Q_{std} = \frac{(Q_a)(P_s)(17.647)\left(\frac{G_d}{100}\right)}{(T_s + 460)}$$

$$= \frac{(3{,}420)(25.49)(17.647)\left(\frac{89.77}{100}\right)}{(145 + 460)}$$

$$= 2{,}290 \text{ dscf}$$

Q_{std} = Volumetric flow rate at standard conditions, dry basis (dscfm)
Q_a = Volumetric flow rate at actual conditions (acfm)
P_s = Absolute sample gas pressure (inches of Hg)
G_d = Percent of dry gas by volume in the gas stream
T_s = Average sample gas temperature (°F)
17.647 = Conversion factor (°R/inch Hg)
460 = Conversion constant (°F to °R)

11. Isokinetics

$$\text{Isokinetics} = \frac{(K)(V_{mstd})(T_s + 460)}{P_s\left(\frac{V_s}{60}\right)\left(\frac{\pi D_n^2}{4(144)}\right)\theta\left(\frac{G_d}{100}\right)}$$

$$= \frac{(0.0945)(34.18)(145 + 460)}{25.49\left(\frac{2.453}{60}\right)\left(\frac{(3.14159)0.244^2}{4(144)}\right)60\left(\frac{89.77}{100}\right)}$$

$$= 107.2\%$$

T_s = Average sample gas temperature (°F)
K = 0.09450 = Conversion constant
$V_{m(std)}$ = Standard volume (ft^3) of gas through dry gas meter
P_s = Absolute sample gas pressure (inches of Hg)
V_s = Sample gas velocity (ft/min)
D_n = Average diameter of nozzle (in)
θ = Total sampling time (min)
G_d = Percent of dry gas by volume in the gas stream
144 = conversion factor, square inches to square feet

12. Concentration of Particulate

$$C_s = \frac{(K)(m_n)}{V_{m(std)}} = \frac{(15.43)(0.00465)}{34.18} = 0.0021 gr/dscf$$

C_s = Concentration of particulate in stack gas, gr/dscf

m_n = mass of particulate collected, grams

$V_{m(std)}$ = Dry standard volume (ft^3) of gas through meter

K = 15.43 = conversion factor (grains/gram)

13. Particulate emissions (lbs/hr)

$$E_{lb/hr} = \frac{(C_s)(Q_{std})(60)}{7000} = \frac{(0.0021)(2290)(60)}{7000} = 0.041 lb/hr$$

$E_{lb/hr}$ = Emission rate (lb/hr)

C_s = Measured concentration in the gas stream (gr/dscf)

Q_{std} = Volumetric flow rate at standard conditions, dry basis (dscfm)

60 = Conversion factor (min/hr)

7000 = Conversion factor (gr/lb)

14. Radium$_{226}$ Lower Limit of Detection (LLD) concentration (µCi/ml)

$$C_{LLD} = \frac{(K_1)(LLD)}{V_{m(std)}(K_2)} = \frac{(1 \times 10^{-6})(0.20)}{0.97(1 \times 10^{6})} = 2.07 \times 10^{-13} \mu Ci/ml \mid (air)$$

Note: LLD, Actual and Possible error concentrations for Thorium$_{230}$, Lead$_{210}$ and Uranium Natural all calculated in a similar manner.

C_{LLD} = Radium$_{226}$ Lower Level of Detected concentration, µCi/ml of air

LLD = Radium$_{226}$ Lower Limit of Detection from lab, pCi/sample*

$V_{m(std)}$ = Dry standard volume (m^3) of gas through meter

K_1 = 1 x 10^{-6} m^3/ml = conversion factor

K_2 = 1 x 10^6 pCi/µCi = conversion factor

**Uranium Natural LLD = 3.34, based on 5 mg/sample x 0.667pCi/mg*

15. Release Rate of Lead$_{210}$ (Ci/month)

$$RR_{Ci/month} = \frac{(Amt.Collected)(Q_{std})(K_1)(K_2)(K_3)}{V_{m(std)}} = \frac{(32.40)(3891)(24)(31)(1x10^{-12})}{0.97} = 9.69 \times 10^{-5} \text{ Ci/month}$$

Note: Radium$_{226}$, Thorin$_{230}$ and U Nat. calculated similarly

RR = Release rate (Ci/month)

Amount collected = Radium$_{226}$ in the sample (pCi)

Q_{std} = Dry standard volumetric flow rate (dsm^3/hr)

K_1 = Conversion factor (24hr/day)

K_2 = Conversion factor (1 x 10^{-12} Ci/pCi)

K_3 = Conversion factor (31 days/month)

$V_{m(std)}$ = Dry standard volume (m^3) of gas through meter

16. U_3O_8 emissions (lbs/hr)

$$E_{lb/hr} = \frac{(amount_{U.nat.}collected)1.179(Q_{std})}{(K_1)(V_{mstd})(453.59x10^6)} = \frac{(799)(1.179)(3891)}{(0.67)(0.97)(453.59x10^6)} = 0.00708 lb/hr$$

$E_{lb/hr}$ = Emission rate (lb/hr)

Amount collected = uranium natural in the sample (pCi)

K_1 = 0.67 pCi/µg = $U_{nat.}$ radioactivity to mass conv. factor

1.179 = fraction of uranium nat. as U_3O_8 (molecular wt. of U_3O_8 / molecular wt. of $3U_{nat.}$, 842.0822/714.087)

Q_{std} = Dry standard volumetric flow rate (dsm^3/hr)

453.6x10^6 = Conversion factor (µgram/lb)

APPENDICES

A. Field Testing Data

B. Computer Data Entry

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E. Chain-of-Custody

F. Resumes of Test Personnel

APPENDIX A

FIELD TESTING DATA

Facility Logema Job No: 00-1057

Run No. 1 Date: 5-9-00

Source/ I.D. No. Yellow Cake Dryer

Stack: Area in² (A_s) 201 Dia (in) 16

Operators Byed / Sullivan

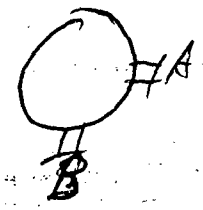
Meter Box # 17 Calib. Factor(Y) .992

Nozzle # K-3 Diameter (D_n) .244

Pitot I.D. A-10 Calib. Factor(C_p) .821

M5 Field Data

Schematic of Stack Cross Section



N or Up Gas Flow Out / In

Western Environmental Services and Testing, Inc.

K Factor 2.97

Barometric Pressure (P_b) 25.5

Amb. °F 55 Assumed Moisture % 7

Static Stack Pressure "H₂O (+/-) ~~.010~~ -.11

Probe Length / Material 2' S/SS

	Before	Middle	After
Pitot Tube Leak Check	ok	—	—

Initial Leak @ 15 "Hg = .000 ft³/min

Final Leak @ 10.5 "Hg = .000 ft³/min

Point	Clock Time	Dry Gas Meter (ft³)	ΔP (Pitot) "H₂O	ΔH (Orifice) "H₂O Desired	ΔH (Orifice) "H₂O Actual	Pump Vac. "Hg	Temperature °F Probe	T_s (stack)	T_m In	T_m Out	Filter	Exit	Flex Probe		
A-6	1004	654.76	.39	1.16	1.15	3.5	227	143	56	—	141	56	—		
5	1000	658.095	.39	1.16	1.15	3.5	244	143	57	—	233	65	—		
4	1001	661.18	.39	1.16	1.0	—								(1013 — leak / pump change	
3	~~1010~~ 1020	662.26	.40	1.16	1.4	1.5	248	144	62	—	204	58	—		
2	~~1021~~ 1025	666.35	.40	1.16	1.2	1.5	250	143	60	—	227	57	—		
1	~~1029~~ 1030	669.645	.40	1.16	1.2	1.5	254	143	61	—	210	60	—		
END	~~1038~~ 1038	674.568	.40	—	—	—	—	—	—	—	—	—	—		
B-6	1045	674.568	.40	1.16	1.2	1.5	249	144	63	—	225	62	—		
5	1050	677.905	.40	1.16	1.2	1.5	248	144	64	—	227	61	—		
4	1055	681.24	.40	1.16	1.2	1.5	253	158	67	—	238	65	—		
3	1100	684.575	.40	1.16	1.2	1.5	250	145	63	—	228	61	—		
2	1105	687.925	.40	1.16	1.2	1.5	253	145	63	—	228	63	—		
1	1110	691.245	.40	1.16	1.2		251	141	63	—	224	63	—		
END	1115	694.568	—	—	—	—	—	—	—	—	—	—	—		

Uncorrected V_m 39.908 ft³ %CO_2 0.8 %CO 0

Corrected V_m 39.49 ft³ %O_2 19.6 %N_2 79.6

Sample Purge: Initial _____ Final _____

Volume Collected V_{lc} 82.7 ml Sample Time, θ _____ min.

A-0001

Job No: _____ Run # 1

Field Data M-5 Sample Box No: 17

Source ID No: Kilborn Lake Dryer Filter No: 30-651

Impinger #	1	2	3	4	5
Contents/Vol.	100ml 10%HNO3	100ml 10%H2O2	DCV	Silica Gel	—
Tip Style*	MOD	G.S.	MOD	MOD	—
Final Wt.	678.4	675.9	512.0	976.9	—
Initial Wt.	671.0	655.8	473.5	861.2	—
Difference	7.4	20.1	39.5	15.7	—
Total (V_{lc})	82.7				

$\sqrt{\Delta P}$=	~~.82~~	.63
Vlc=	82.7	
ΔH=	1.19	
T_s=	144	
T_m=	59	
V_{mstd}=	34.36	
% M	10.2	
M_d=	~~.93~~	.898
Vw_{gas}=	3.903	
Mw_{wd}=	28.91	
M_w=	~~28.45~~	27.8
Vs	~~24.97~~	
acfm	3416	
dscfm	2293	
EA	1312	
% ISO	~~194.64~~	107%

Calculations

$$V_{wc} = 0.04707(V_{lc})$$

$$V_{mstd} = \frac{(17.647)(V_m)(P_{bar} + \frac{\Delta H}{13.6})(Y)}{(460 + T_m)}$$

$$B_{ws} = \frac{V_{w(std)}}{V_{m(std)} + V_{w(std)}} x100\%$$

$$G_d = 100 - B_{ws}$$

$$M_d = 0.44(\%CO_2) + 0.32(\%O_2) + 0.28(\%N_2 + \%CO)$$

$$M_s = (M_d)(G_d/100) + (18)(B_{ws}/100)$$

$$P_s = (P_{bar}) + \frac{(P_g)}{(13.6)}$$

$$v_s = (K_p)(C_p)(60)(\sqrt{\Delta P})\left(\sqrt{\frac{(\bar{T}_s + 460)}{(M_s)(P_s)}}\right)$$

Qa = (As)(Vs) (acfm)

$$Q_{std} = \frac{(Q_a)(P_s)(17.647)\left(\frac{G_d}{100}\right)}{(T_s + 460)}$$

$$I = \frac{K(\bar{T}_s + 460)(V_{m(std)})}{(P_s)\left(\frac{V_s}{60}\right)\left(\frac{\pi D_n^2}{4}\right)\theta\left(\frac{D_g}{100}\right)}$$

V_{lc} = Volume of Liquid Collected (grams or ml)

M_d = Dry molecular weight of sample gas (lb/lb-mole)

M_s = Molecular weight of sample gas, wet (lb/lb-mole)

$\%CO_2$ = Percent by volume of CO_2 in the gas stream

$\%O_2$ = Percent by volume of oxygen in the gas stream

$\%CO+\%N_2$ = Percent by volume of CO and N_2 in the gas

G_d = Percent of dry gas by volume in the gas stream

B_{ws} = % by volume of water vapor in the gas stream

P_s = Absolute sample gas pressure (inches of Hg)

P_{bar} = Barometric pressure (inches of Hg)

P_g = Sample gas static pressure (inches of H_2O)

13.6 = Conversion factor (inches H_2O/inches of Hg)

C_p = Pitot tube constant

K_p = Velocity pressure coefficient (dimensionless) = 85.49

60 = Conversion factor (sec/min)

M_s = Molecular weight of sample gas, wet (lb/lb-mole)

P_s = Absolute sample gas pressure (inches of Hg)

T_s = Average sample gas temperature (°F)

V_s = Sample gas velocity (ft/sec)

$\sqrt{\Delta P}$ = Average square roots of velocity heads of gas (in H_2O)

460 = Conversion constant (°F to °R)

Q_a = Volumetric flow rate at actual conditions (acfm)

A_s = Cross sectional area of sampling location (ft^2)

V_s = Sample gas velocity (ft/min)

Q_{std} = Vol. flow rate at standard conditions, dry (dscfm)

K = 0.09450 = constant

D_n = Average diameter of nozzle (ft^2)

θ = Total sampling time (min)

Facility Cargill Job No: 00-1057
Run No. 2 Date: 5-9-00
Source/ I.D. No. Yellow Cake Dryer
Stack: Area in² (A_s) 201 Dia (in) 34.0
Operators Byrd / B. Sullivan
Meter Box # 17 Calib. Factor(Y) .992
Nozzle # K-3 Diameter (D_n) .244
Pitot I.D. A-10 Calib.Factor(C_p) .821
M-5 Field Data

Schematic of Stack Cross Section

See Run #1

N or Up Gas Flow Out / In

Western Environmental Services and Testing, Inc.
K Factor 2.97
Barometric Pressure (P_b) 25.5
Amb. °F ___ Assumed Moisture % 7
Static Stack Pressure "H₂O (+/-) -.11
Probe Length / Material 2' Stainless

	Before	Middle	After
Pitot Tube Leak Check	ok	—	—

Initial Leak @ 20 "Hg = .002 ft³/min
Final Leak @ 10 "Hg = .002 ft³/min

Point	Clock Time	Dry Gas Meter (ft³)	ΔP (Pitot) "H₂O	ΔH (Orifice) "H₂O Desired	ΔH (Orifice) "H₂O Actual	Pump Vac. "Hg	Temperature °F Probe	T_s (stack)	T_m In	T_m Out	Filter	Exit	Flex Probe	Exit	
A-6	1155	694.993	.40	1.16	1.2	1.5	245	145	67	—	201	63	—	63	
5	1200	698.915	.40	1.16	1.2	1.5	256	145	67	—	226	59	—		
4	1205	701.855	.40	1.16	1.2	1.5	257	145	68	—	224	58	—		
3	1210	705.13	.40	1.16	1.2	1.5	255	145	69	—	223	59	—		
2	1215	708.405	.40	1.16	1.2	1.5	258	144	69	—	227	60	—		
1	1220	711.65	.40	1.16	1.2	1.5	252	141	70	—	230	62	—		
End	1225	714.965	—	—	—	—	—	—	—	—	—	—	—		
B-6	1230	714.965	.40	1.16	1.2	1.5	250	145	71	—	233	63	—		
5	1235	718.395	.40	1.16	1.2	1.5	251	145	71	—	228	62	—		
4	1240	721.825	.40	1.16	1.2	1.5	251	145	72	—	221	62	—		
3	1245	725.26	.40	1.16	1.2	1.5	251	146	73	—	235	62	—		
2	1250	728.685	.40	1.16	1.2	1.5	258	144	72	—	218	63	—		
1	1255	732.125	.40	1.16	1.2	1.5	252	132	72	—	237	63	—		
End	1300	735.526	—	—	—	—	—	—	—	—	—	—	—		

Uncorrected V_m 40.533 ft³ %CO₂ .8 %CO 0
Corrected V_m 40.209 ft³ %O₂ 19.6 %N₂ 79.0
Sample Purge: Initial ___ Final ___
Volume Collected V_lc 68.4 ml Sample Time, θ 60 min.

A 0003

Job No: _____ Run # 2

Field Data MF Sample Box No: 17

Source ID No: Yellow Cake Dryer Filter No: 39-652

Impinger #	1	2	3	4	5
Contents/Vol.	100ml 1N HNO3	100ml 1N HNO3	Dry	Silica	—
Tip Style*	MOD	G S	MOD	MOD	—
Final Wt.	737.8	611.6	501.0	870.2	—
Initial Wt.	699.7	596.7	496.1	859.7	—
Difference	38.1	14.9	4.9	10.5	—
Total (V_{lc})	68.4				

$\sqrt{\Delta P}$=	.63
Vlc=	68.4
ΔH=	1.2
T_s=	145
T_m=	69
V_{mstd}=	34.328
% M	8.0
M_d=	.914
Vw_{gas}=	3.228
M_{wd}=	28.91
M_w=	29.97
Vs	2441
acfm	3416
dscfm	2330
EA	1468
% ISO	106.205

Calculations

$V_{wc} = 0.04707(V_{lc})$

$$V_{mstd} = \frac{(17.647)(V_m)(P_{bar} + \frac{\Delta H}{13.6})(Y)}{(460 + T_m)}$$

$$B_{ws} = \frac{V_{w(std)}}{V_{m(std)} + V_{w(std)}} x100\%$$

$G_d = 100 - B_{ws}$

$M_d = 0.44(\%CO_2) + 0.32(\%O_2) + 0.28(\%N_2 + \%CO)$

$M_s = (M_d)(G_d/100) + (18)(B_{ws}/100)$

$$P_s = (P_{bar}) + \frac{(P_g)}{(13.6)}$$

$$V_s = (K_p)(C_p)(60)(\sqrt{\Delta P})\left(\sqrt{\frac{(\bar{T}_s + 460)}{(M_s)(P_s)}}\right)$$

Qa = (As)(Vs) (acfm)

$$Q_{std} = \frac{(Q_a)(P_s)(17.647)\left(\frac{G_d}{100}\right)}{(T_s + 460)}$$

$$I = \frac{K(\bar{T}_s + 460)(V_{m(std)})}{(P_s)\left(\frac{V_s}{60}\right)\left(\frac{\Pi D_n^2}{4}\right)\theta\left(\frac{D_g}{100}\right)}$$

V_{lc} = Volume of Liquid Collected (grams or ml)

M_d = Dry molecular weight of sample gas (lb/lb-mole)

M_s = Molecular weight of sample gas, wet (lb/lb-mole)

$\%CO_2$ = Percent by volume of CO_2 in the gas stream

$\%O_2$ = Percent by volume of oxygen in the gas stream

$\%CO+\%N_2$ = Percent by volume of CO and N_2 in the gas

G_d = Percent of dry gas by volume in the gas stream

B_{ws} = % by volume of water vapor in the gas stream

P_s = Absolute sample gas pressure (inches of Hg)

P_{bar} = Barometric pressure (inches of Hg)

P_g = Sample gas static pressure (inches of H_2O)

13.6 = Conversion factor (inches H_2O/inches of Hg)

C_p = Pitot tube constant

K_p = Velocity pressure coefficient (dimensionless) = 85.49

60 = Conversion factor (sec/min)

M_s = Molecular weight of sample gas, wet (lb/lb-mole)

P_s = Absolute sample gas pressure (inches of Hg)

T_s = Average sample gas temperature (°F)

V_s = Sample gas velocity (ft/sec)

$\sqrt{\Delta P}$ = Average square roots of velocity heads of gas (in H_2O)

460 = Conversion constant (°F to °R)

Q_a = Volumetric flow rate at actual conditions (acfm)

A_s = Cross sectional area of sampling location (ft^2)

V_s = Sample gas velocity (ft/min)

Q_{std} = Vol. flow rate at standard conditions, dry (dscfm)

K = 0.09450 = constant

D_n = Average diameter of nozzle (ft^2)

θ = Total sampling time (min)

APPENDIX B

COMPUTER DATA ENTRY

Cogema
Linch, Wyoming
Yellow Cake Dryer Stack

Run: 1

Western Environmental
Job Number 00-1057
Particulate

Method: 5
For Particulate
Area: 1.40 sq.ft.
Time/Point: 5.0 min.
Sample Time: 60.0 min.

Static Pressure: -0.11 in. H20
Barometric: 25.50 in. Hg
Silica Gel: 15.7grams
Condensate: 67.0grams
Total Wt. 82.7grams

Meter No: 17
Meter Correction Factor: 0.992
Sample Box No: Apex
Pitot Tube Cp: 0.821
Probe Tip Diameter 0.244
Filter No: 3Q-651
% CO_2 0.8
% O_2 19.6

Date/Start Time 5/9/00 10:01

Date/Stop Time 5/9/00 11:15

Pretest Leak Rate 0.000 cfm @ 15 in.Hg

Posttest Leak Rate 0.000 cfm @ 10 in.Hg

Point	Clock Time	Dry Gas Meter	Pitot (in. H2O)	Actual ΔH	Stack Temp.	Dry Gas Meter Temp Inlet	Dry Gas Meter Temp Outlet	Vol. per Point	√Δ p	% Iso
A 6	10:01	654.760	0.39	1.15	143	56	56	3.34	0.624	109.7
5	10:06	658.095	0.39	1.15	143	57	57	3.08	0.624	101.3
4	10:11	661.180	0.39	1.00				1.08	0.624	34.8
3	11:20	662.260	0.40	1.40	144	62	62	4.09	0.632	131.6
2	11:25	666.350	0.40	1.20	143	60	60	3.29	0.632	106.3
1	11:30	669.645	0.40	1.20	143	61	61	4.92	0.632	158.5
End	11:35	674.568								
B 6	10:45	674.568	0.40	1.20	144	63	63	3.34	0.632	107.1
5	10:50	677.905	0.40	1.20	144	64	64	3.34	0.632	106.8
4	10:55	681.240	0.40	1.20	158	67	67	3.34	0.632	107.4
3	11:00	684.575	0.40	1.20	145	63	63	3.35	0.632	107.6
2	11:05	687.925	0.40	1.20	145	63	63	3.32	0.632	106.6
1	11:10	691.245	0.40	1.20	141	63	63	3.32	0.632	106.4
End	11:15	694.568								
				1.1917	145	62		39.808	0.6305	

Cogema
Linch, Wyoming
Yellow Cake Dryer Stack

Run: 2

Western Environmental
Job Number 00-1057
Particulate

Method: 5
For Particulate
Area: 1.40 sq.ft.
Time/Point: 5.0 min.
Sample Time: 60.0 min.

Static Pressure: -0.11 in. H20
Barametric: 25.50 in. Hg
Silica Gel: 10.5grams
Condensate: 57.9grams
Total Wt. 68.4grams

Meter No: 17
Meter Correction Factor: 0.992
Sample Box No: Apex
Pitot Tube Cp: 0.821
Probe Tip Diameter 0.244
Filter No: 3Q-652
% CO2 0.8
% O2 19.6

Date/Start Time 5/9/00 11:55
Pretest Leak Rate 0.002 cfm @ 20 in.Hg

Date/Stop Time 5/9/00 13:00
Pretest Leak Rate 0.002 cfm @ 10 in.Hg

Point	Clock Time	Dry Gas Meter	Pitot (in. H2O)	Actual Δ H	Stack Temp.	Dry Gas Meter Temp Inlet	Dry Gas Meter Temp Outlet	Vol. per Point	√Δ p	% Iso
A 6	11:55	694.993	0.40	1.20	145	67	67	3.52	0.632	112.6
5	12:00	698.515	0.40	1.20	145	67	67	3.34	0.632	106.8
4	12:05	701.855	0.40	1.20	145	68	68	3.27	0.632	104.5
3	12:10	705.130	0.40	1.20	145	69	69	3.27	0.632	104.3
2	12:15	708.405	0.40	1.20	144	69	69	3.25	0.632	103.3
1	12:20	711.650	0.40	1.20	144	70	70	3.32	0.632	105.3
End	12:25	714.965								
B 6	12:30	714.965	0.40	1.20	145	71	71	3.43	0.632	108.8
5	12:35	718.395	0.40	1.20	145	71	71	3.43	0.632	108.8
4	12:40	721.825	0.40	1.20	145	72	72	3.43	0.632	108.8
3	12:45	725.260	0.40	1.20	146	73	73	3.42	0.632	108.3
2	12:50	728.682	0.40	1.20	144	72	72	3.44	0.632	109.0
1	12:55	732.125	0.40	1.20	132	72	72	3.40	0.632	106.6
End	13:00	735.526								
				1.2000	144	70		40.533	0.6325	

B 0002

APPENDIX C

ANALYTICAL DATA

Particulate Weights

Run Number:		1	2
		5/9/00 10:01	5/9/00 11:55
		5/9/00 11:15	5/9/00 13:00
Filter No:		3Q-651	3Q-652
Final Weight		0.3535 g	0.3511 g
Initial Weight		0.3519 g	0.3508 g
Net Gain		1.60 mg	0.30 mg
Acetone:	Blank		
Volume	154 ml	118 ml	117 ml
Final Weight	118.8839 g	102.6875 g	114.6841 g
Initial Weight	118.8837 g	102.6843 g	114.6772 g
Correction Facto	1.30 mg/l	0.15 mg	0.15 mg
Corrected Net Gain		3.05 mg	6.75 mg
Total Front Half Weight - m,		4.65 mg	7.05 mg

FILTER ANALYSIS

Job Number	**00-1057**	**Run Date**	5/9/00
Client Name	Cogema		
Unit	Yellowcake Dryer		

RUN 1	**FILTER #**	3Q-651	**AVERAGE**
Filter + Particulate	0.3533	0.3536	0.3535
Filter Tare	0.3517	0.3520	0.3519
Particulate Weight	0.0016	0.0016	0.0016

RUN 2	**FILTER #**	3Q-652	**AVERAGE**
Filter + Particulate	0.3511	0.3511	0.3511
Filter Tare	0.3508	0.3508	0.3508
Particulate Weight	0.0003	0.0003	0.0003

BLANK	**FILTER #**	3Q-653	**AVERAGE**
Filter + Particulate	0.3546	0.3549	0.3548
Filter Tare	0.3543	0.3546	0.3545
Particulate Weight	0.0003	0.0003	0.0003

Analyst	GLH	Started	5/11/00
		Completed	5/15/00

FINAL REPORT

ACETONE FRONT ANALYSIS

Job Number	**00-1057**	**Run Date**	5/9/00
Client Name	Cogema		
Unit	Yellowcake Dryer		

RUN 1	**BEAKER**	1374	**VOLUME**	118 ml	**AVERAGE**
Beaker + Particulate		102.6877	102.6872		102.6875
Beaker Tare		102.6844	102.6842		102.6843
Particulate Weight		0.0033	0.0030		0.0032

RUN 2	**BEAKER**	1375	**VOLUME**	117 ml	**AVERAGE**
Beaker + Particulate		114.6843	114.6839		114.6841
Beaker Tare		114.6773	114.6771		114.6772
Particulate Weight		0.0070	0.0068		0.0069

BLANK	**BEAKER**	1373	**VOLUME**	154 ml	**AVERAGE**
Beaker + Particulate		118.8840	118.8837		118.8839
Beaker Tare		118.8837	118.8836		118.8837
Particulate Weight		0.0003	0.0001		0.0002

Analyst	GLH	Started	5/11/00
		Completed	5/15/00

FINAL REPORT

WESTERN ENVIRONMENTAL SERVICES AND TESTING INC.
913 Foster Road
Casper, Wyoming 82601
307/234-5511

76 Imperial Drive, Unit I
Evanston, Wyoming 82930
307/789-6420

Cogema 00-1057

Yellowcake Dryer
5/9/00

	Radium 226 pCi	LLD	Thorium 230 pCi	LLD	Lead 210 pCi	LLD	Natural Uranium mg	LLD
RUN 1	0.2 +/- 0.2	0.2	3.0 +/- 1.4	0.4	32.4+/-3.6	5.4	1.19	0.00004
RUN 2	0.4 +/- 0.2	0.2	3.4 +/- 1.4	0.4	40.4+/-3.6	5.4	1.25	0.00004

The analyses, opinions or interpretations contained in this report are based on observations and material supplied by the client for whose exclusive and confidential use this report has been made. The interpretations or opinions expressed represent the best judgement of Western Environmental Services and Testing, Inc. Western Environmental assumes no responsibility and makes no warranty or representations, expressed or implied as to the productivity, proper operations or profitableness however of any oil, gas, coal, mineral, property, well, sand, soil or any other application or connection with which this report is used or relied upon for any reason.

Lab Results

Volume of Sample

Run 1	2.000
Run 2	2.000

Parameters		Radium 226	Thorium 23(	Lead 210	Uranium Nat.
Reported Activity conc. (pCi/liter)					
	Run 1	0.10	1.50	16.2	399.32*
	Run 2	0.20	1.70	20.2	420.09*
Reported Error conc. (pCi/liter)					
	Run 1	0.10	0.70	1.8	54.74*
	Run 2	0.10	0.7	1.8	57.02*
Calculated Amount collected (pCi/sample)					
	Run 1	0.20	3.00	32.40	798.64
	Run 2	0.40	3.40	40.40	840.18
Calculated Possible error (pCi)					
	Run 1	0.20	1.4	3.6	109.48
	Run 2	0.20	1.4	3.6	114.03
Lowest level detected LLD (pCi)				Calculated	Estimated
	Run 1	0.20	0.40	0.40	0.03
	Run 2	0.20	0.40	0.40	0.03

* 1 pCi = 0.67μg

APPENDIX D

EQUIPMENT CALIBRATION

WESTERN ENVIRONMENTAL SERVICES AND TESTING INC.
METER BOX CALIBRATION FORM

Meter Box Num:	17	Average DGM Y =	**0.992**	Tech:	MC
Pb =	24.67	Delta H @ =	**1.802**	Date:	4/5/00

	Orifice I.D.= 48				K1= 0.3497				Orifice I.D.= 55				K1= 0.4597			
	1				2				1				2			
DGM Final	684.154				686.405				689.376				692.353			
Initial	681.910				684.154				686.405				689.376			
Vm	2.244				2.251				2.971				2.977			
Temp In/Out	57	57	58	58	59	59	60	60	61	61	62	62	62	62	63	63
Avg. Tm °R/°F	518		58		520		60		522		62		523		63	
Delta H	0.52				0.52				0.92				0.92			
Time:	4.59.97		5.000		5.00.04		5.001		4.59.94		4.999		4.59.99		5.000	
Orifice Temp.	71				71				71				71			
Vacuum "Hg	17.5				17.5				16.0				16.0			
Vm (std)	1.891				1.890				2.487				2.488			
Vcr (std)	1.872				1.872				2.460				2.461			
DGMCF Y	0.990				0.991				0.989				0.989			
Delta H @	1.763				1.756				1.795				1.792			

	Orifice I.D.= 63				K1= 0.5964				Orifice I.D.= 73				K1= 0.8198			
	1				2				1				2			
DGM Final	696.197				700.037				0.000				0.000			
Initial	692.353				696.197				0.000				0.000			
Vm	3.844				3.840				0.000				0.000			
Temp In/Out	64	64	64	64	65	65	66	66								
Avg. Tm °R/°F	524		64		526		66		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	
Delta H	1.60				1.60				0.00				0.00			
Time:	5.00.46		5.008		4.59.76		4.996		0 0.00		0.000		0 0.00		0.000	
Orifice Temp.	71				72				0				0			
Vacuum "Hg	15.0				15.0				0.0				0.0			
Vm (std)	3.209				3.197				#DIV/0!				#DIV/0!			
Vcr (std)	3.198				3.187				0.000				0.000			
DGMCF Y	0.996				0.997				#DIV/0!				#DIV/0!			
Delta H @	1.854				1.852				#DIV/0!				#DIV/0!			

THERMOCOUPLE CALIBRATION SHEET

Meter Box No : 17 **Tech :** WP **Date :** 4/5/00

Reference: Mercury-In-Glass ASTM 3F

Source:	Reference Thermometer °F	Reference Thermometer °R	Thermocouple °F	Thermocouple °R	% Difference °R
Meter In :					
Ice Bath					
Boiling Water					
Hot Oil					
Meter Out :					
Ice Bath	33	493	34	494	-0.20
Boiling Water	202	662	203	663	-0.15
Hot Oil	319	779	321	781	-0.26
Probe :					
Ice Bath	34	494	35	495	-0.20
Boiling Water	203	663	204	664	-0.15
Hot Oil	321	781	322	782	-0.13
Stack :					
Ice Bath	34	494	34	494	0.00
Boiling Water	203	663	203	663	0.00
Hot Oil	322	782	322	782	0.00
Oven :					
Ice Bath	35	495	34	494	0.20
Boiling Water	202	662	203	663	-0.15
Hot Oil	321	781	324	784	-0.38
Exit :					
Ice Bath	34	494	35	495	-0.20
Boiling Water	202	662	204	664	-0.30
Hot Oil	322	782	324	784	-0.26
Auxiliary :					
Ice Bath	35	495	34	494	0.20
Boiling Water	203	663	201	661	0.30
Hot Oil	321	781	320	780	0.13

WESTERN ENVIRONMENTAL

PITOT TUBE CALIBRATION

Pitot Tube ID No. : A-10

High side calibration factor : 0.821

Performed by: TH

Low side calibration factor : 0.819

Calibration Date : 4/5/00

Comments:

A-Side Calibration (high side)			
ΔPstd' (in.) H_2O	ΔPs' (in.) H_20	Cp (S)[a]	Dev.[b]
0.64	0.94	0.823	0.001
0.64	0.95	0.820	-0.001
0.64	0.95	0.820	-0.001
	Average (Cp')	0.821	

B-Side Calibration (low side)			
ΔPstd' (in.) H_2O	ΔPs' (in.) H_20	Cp (S)[a]	Dev.[b]
0.64	0.95	0.818	-0.001
0.64	0.95	0.818	-0.001
0.64	0.95	0.820	0.001
	Average (Cp')	0.819	

$$Cp\ (S)^a = Cp(std)\sqrt{\frac{\Delta Pstd}{\Delta Ps}}$$

Temperature (°F) : 74

Humidity (%) : 23

Dev.[b] = Cp (S)[a] - Cp' (must be ≤ 0.01)

Date: 4/5/00

Cp' (A) - Cp' (B) = 0.002 (must be ≤ 0.01)

Cp (std)* : 0.997

Cp' (A) = 0.821 Cp' (B) = 0.819

Standard Pitot No. : 2

*Cp (std) obtained from Dwyer Instruments air velocity calculator.

Calibrations were done in accordance with CFR Title 40, Part 60, Appendix A, July 1, 1994.

WESTERN ENVIRONMENTAL SERVICES AND TESTING, INC.
NOZZLE CALIBRATION DATA

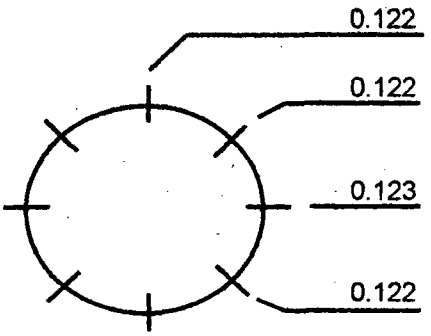
Date: 4/5/00

Technician: MC

Page: 1 of 3

Nozzle ID # :

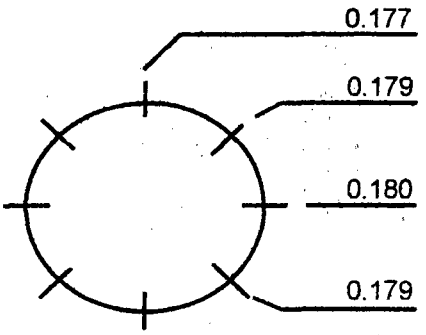
K-1



	(low)	(high)
Random:	0.122	0.123
Average:	0.122	

Nozzle ID # :

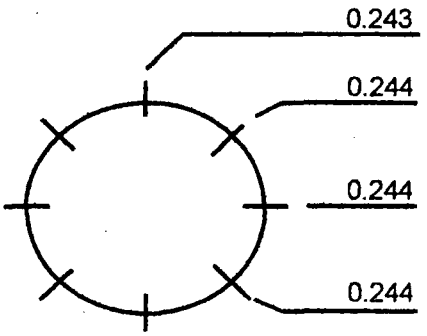
K-2



	(low)	(high)
Random:	0.177	0.180
Average:	0.179	

Nozzle ID # :

K-3



	(low)	(high)
Random:	0.243	0.244
Average:	0.244	

The difference between the high and low must be within 0.004 inches.

APPENDIX E

CHAIN-OF-CUSTODY

WESTERN ENVIRONMENTAL SERVICES AND TESTING, INC.

[X] 913 Foster Road, Casper, WY 82601 (307)234-5511 FAX (307)234-8324
[ ] P.O. Box 1626, San Marcos, TX 78667-1626 (512)392-7788 FAX (512)392-7790
[ ] PO Box 754, Evanston, WY 82935 (307)789-6420 FAX (307)789-6446

CHAIN OF CUSTODY RECORD

PROJECT NO.: 00-1057 Cogenerac CONTACT NAME Jon Vosline TELEPHONE NO.

Recovered By: Print Name: Bill Byrd
Signature: Bill Byrd

SAMPLE ID	SAMPLE LOCATION	RUN	RECOVERY DATE	RECOVERY TIME	SOLUTION / FILTER #	No. of Containers	Particulate	WRAT	U238	Ra226	Th230	Pb210			REMARKS
00-1057-1	Yellow Cake Dryer	1	5-9-00	1130	Acetone	1	X	X	X	X	X	X			Run 1 Acetone Front Rinse
00-1057-2		1			0.1N HNO_3	1	X	X	X	X	X	X			Run 1 0.1N HNO_3 Front Rinse
00-1057-3		1			0.1N HNO_3	1		X	X	X	X	X			Run 1 Imp Catch
00-1057-4		1			3Q-651	1	X	X	X	X	X	X			Run 1 Filter
00-1057-5		2		1315	Acetone	1	X	X	X	X	X	X			Run 2 Acetone Front Rinse
00-1057-6		2			0.1N HNO_3	1	X	X	X	X	X	X			Run 2 0.1N HNO_3 Front Rinse
00-1057-7		2			0.1N HNO_3	1		X	X	X	X	X			Run 2 Imp Catch
00-1057-8		2			3Q-652	1	X	X	X	X	X	X			Run 2 Filter
00-1057-Blank1		B		1315	Acetone	1	X	X	X	X	X	X			Acetone Blank
00-1057 Blank2		B			0.1N HNO_3	1	X	X	X	X	X	X			0.1N HNO_3 Blank
00-1057-Blank3		B			3Q-653	1	X	X	X	X	X	X			Filter Blank

COMMENTS:

Relinquished by: (Signature)	Company	Date	Time	Received by: (Signature)	Company	Date	Time
Bill Byrd	WEST	5-11-00	1020				
Relinquished by: (Signature)	Company	Date	Time	Received by: (Signature)	Company	Date	Time
Dispatched by: (Signature)	Company	Date	Time	Received for Laboratory by: Gary Hunnes	Company	Date 5-11-00	Time 1025
Method of Shipment:							

E 0001

WHITE COPY—WEST YELLOW COPY—CUSTOMER PINK COPY—COPY

M00953 11/94

APPENDIX F

RESUMES OF TEST PERSONNEL

PROFESSIONAL PROFILE

WILLIAM A. BYRD III

Environmental Specialist

Technical Expertise:

- Source Emission Testing
- Calibration and Maintenance of Sampling Equipment
- Monitoring Equipment Repair
- Hazardous Shipping

Technical Experience:

Mr. Byrd has provided source testing since early in 1999. His experience is with tests working with EPA methods 1-5. Mr. Byrd has experience in sample recovery and chain-of-custody procedures for particulate. He has training and experience in hazardous materials shipping.

Education:

Mr. Byrd has completed college courses in Environmental Law, Environmental Ethics, Hazardous Materials and Waste, and Environmental Ecology.

Certification:

MSHA
H_2S
BEC (First Responder for First Aid and CPR)
DOT Training (without certification)

COGEMA Mining, Inc.
ANNUAL REPORT
WDEQ PERMIT TO MINE NO. 478

IRIGARAY AND CHRISTENSEN RANCH PROJECTS

August 19, 1999 - August 18, 2000

August 18, 2000

ANNUAL REPORT
PERMIT TO MINE NO. 478
August 19, 1999 through August 18, 2000

The following is in response to the annual report information requirement as outlined by the District III, Land Quality Division, Department of Environmental Quality. Each response below answers a specific request for information listed in the annual report form supplied by District III. This information, along with supportive maps, satisfies the annual report requirements specified in W.S. 35-11-411 (a). Additional information reported annually as required by Permit to Mine No. 478 is provided in Response No. 9, below.

REQUIRED ANNUAL REPORT INFORMATION AS SPECIFIED PURSUANT TO W.S. 35-11-411 (A)

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 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.

2. REPORTING PERIOD:

The time period covered by this report is August 19, 1999 through August 18, 2000, with the exception of the majority of environmental monitoring and production data, which is presented through June 30, 2000.

3. MINING

a) IR - There was no additional surface acreage disturbed at the Irigaray mine during this annual reporting period. Restoration is the only activity on going in the Irigaray wellfields, specifically the reverse osmosis treatment phase of restoration in Units 6 through 7. Unit 8 entered the reciculation phase of restoration in July 2000. Unit 9 entered the stabilization phase of restoration in April, 2000. Restoration has been completed in Units 4 and 5. See Section 4. (a) of this report for the restoration progress report. Uranium processing activities continued at the central plant. All areas referenced are shown on the Irigaray Project General Location Map located in Appendix 5 of this report.

CR - During this annual reporting period, mining operations at the Christensen Ranch consisted of continued production in Mine Unit 6, Modules 2, 3, 5, and 6. Production on a limited basis was also conducted in Mine Unit 5, Module 3 from selected production wells.

The reverse osmosis treatment phase of restoration continued in Unit 3, Module 1. The reverse osmosis treatment phase of restoration commenced in Unit 3, Module 2 in January, 2000, and in Module 3 in April, 2000. Selected recovery wells continue to operate in Unit 2, 3, and 4 as needed for excursion control. See the Restoration Progress report in Section 4. (a) for details.

No drilling occurred during this annual reporting period.

All referenced locations are shown on the Christensen Project General Location Map located in Appendix 5.

b) Tabulated surface acreage disturbed to date by years is provided following:

YEARS AFFECTED	**ACREAGE**
IR	
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 - August 18, 1997	0.00 Acres
August 19, 1997 - August 18, 1998	0.00 Acres
August 19, 1998 - August 18, 1999	0.00 Acres
August 19, 1999 - August 18, 2000	0.00 Acres
Total	**133.10 Acres**

CR	
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]
Total	**423.52 Acres**
GRAND TOTAL	**556.62 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 of stockpiling are as follows:

Stockpile #	**Estimated Volume (yd^3)**	**Date Stockpiled**
IR		
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

Stockpile #	Estimated Volume (yd^3)	Date Stockpiled
CR		
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

Location of the IR topsoil stockpiles are shown on the Irigaray Project General Location Map located in Appendix 6 of this report. Topsoil stockpile locations for CR are shown on the Christensen Project General Location Map in Appendix 5.

d) Due to the nature of in-situ mining, no spoil material has been produced, therefore none has been stockpiled.

e) The tabulated quantity of uranium mined by years is as follows:

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

f) All major construction during this reporting period occurred at the Christensen Ranch Project, and is described as follows:

- Development of well location and roadway leading to deep well DW18-3.

Locations of all noted areas are shown on the Christensen Project General Location map provided in Appendix 5.

g) Seven reportable spills occurred during this reporting period, three at the Christensen Ranch Mine and four at the Irigaray Mine. A verbal and written report of each spill are issued to the WDEQ subsequent to each occurrence. The status of each will therefore not be repeated in this report.

Revegetation in recently reclaimed areas was generally good, but is showing the effects of an extended dry period.

4. RECLAMATION

a) Status of Restoration and Reclamation Activities

Groundwater Restoration Progress Report

Groundwater restoration activities at the Irigaray site continued during this reporting period. A summary of the status of each restoration area is provided below. A map of the Irigaray restoration wellfields is provided in Appendix 1 of this report.

- Production Units 1 - 3: Restoration was completed in these wellfields in 1993. No further actions have been taken in these wellfields pending submittal of the final restoration package for Production Units 1 through 5. All of Units 1 through 5 were mined with ammonium bicarbonate lixiviant, and COGEMA feels it is best to present the restoration results of all Units 1 through 5 together. It is anticipated the submittal will be submitted concurrently with the Annual Report.

- Production Units 4 - 5 - Reverse osmosis operations continued in Unit 5 until August, 1998. In August, 1998, the recirculation phase of restoration commenced in Units 4 and 5 and ran until September, 1998. Upon completion of the recirculation phase in Units 4 and 5, the stabilization phase of restoration began and water samples were collected and analyzed quarterly until June 28, 1999, when final stabilization samples were split with the WDEQ.

- Production Units 6, 7, 8, and 9 - Reverse osmosis treatment of Unit 9 was discontinued on March 24, 2000. A total of 10.75 pore volume displacements occurred since the start of the reverse osmosis phase of restoration. Conductivity values shown a steady and continuous decline since the start of the reverse osmosis phase of restoration in Unit 9. The recirculation.phase of restoration in Unit 9 began on March 28, 2000, and continued

until one pore volume of recirculation has been completed. On May 8, 2000, the stabilization phase of restoration in Unit 9 commenced and quarterly sampling of interior ore zone baseline wells began.

Reverse osmosis treatment of Unit 8 was discontinued on June 29, 2000. A total of 10.16 pore volume displacements occurred since the start of the reverse osmosis phase of restoration. The recirculation phase of restoration in Unit 8 began on July 7, 2000, and will continue until one pore volume of recicrulation has been completed.

Reverse osmosis treatment of Unit 7 began on February 10, 2000. To date, 3.97 pore volume displacements have occurred since the start of the reverse osmosis phase of restoration in Unit 7. A decrease in conductivity values is already being observed in Unit 7.

Reverse osmosis treatment of Unit 6 began on July 19, 2000.

A summary of the restoration progress in terms of gallons produced and resultant water quality, is provided in Appendix 1 of this report.

Groundwater Restoration Progress Report - Christensen Ranch

Groundwater restoration activities at the Christensen site continued during this reporting period. A summary of the status of each restoration area is provided below. A map of the Christensen restoration wellfields is provided in Appendix 1 of this report.

- Mine Unit 3: The reverse osmosis phase of restoration in module 3-1 was temporarily suspended in April, 2000, at 15.81 pore volume displacements. Reverse osmosis treatment of module 3-2 began on January 12, 2000. To date, 8.5 pore volume displacments have occurred since the start of the reverse osmosis phase of restoration. Conductivity values have shown a steady and continuous decline since the start of the reverse osmosis phase of restoration in module 3-2. The reverse osmosis phase of restoration in module 3-3 began on April 5, 2000. To date, 6.6 pore volume displacements have occurred since the start of the reverse osmosis phase of restoration. Conductivity values have shown a 33% decrease between the samples taken at the first and third pore volume displacement. Completion of the Christensen Ranch Injection Well 18-3 and approval to inject into the Lance formation in January, 2000 have continued to improved the water disposal capabilities at Christensen Ranch.

- Mine Unit 2: A limited groundwater sweep continues in Mine Unit 2 at the time of this report. The reverse osmosis phase of restoration will follow in Unit 2 upon the completion of restoration efforts in Unit 3.

- Mine Unit 4: No restoration activities are currently being conducted in Unit 4.

- Mine Unit 5: A limited groundwater sweep of 40 gallons per minute commenced in Mine

Unit 5 on March 27, 2000. Since the commencement of groundwater sweep in Unit 5, the flowrate has been increased to 199 gallons per minute.

Surface Reclamation:

- No surface reclamation was conducted in the Fall of 1999.

- During the spring of 2000, 2.53 acres were seeded at the Christensen Ranch. The majority of the seeding (2.3 acres) occurred at deep disposal wells #1 and #18-3. The remaining 0.23 acres occurred at various areas of the mine to reclaim areas disturbed by the replacement of electrical lines. Approximately, 27.6 pounds/acre of interim seed mix were applied during the spring 2000. All seeding was completed by June 2000.

  The 2.53 acres were seeded using a drop seeder and a harrow rake. The locations of all areas noted above are shown on the Christensen Ranch General Location Map, Appendix 6.

b) N/A

c) No acreage has yet been reclaimed with a permanent seed mix. However, areas previously seeded with the interim reclamation mix have been tabulated and mapped in previous Annual Reports.

d) See a) above.

e) Ground cover was generally good in all areas seeded at the Christensen Ranch site prior to this reporting period. However, ground cover is showing the effects of an unusually dry spring.

- The results of prior reclamation efforts are best demonstrated by the following photographs, 1 through 10. The types of grass seed 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. All percentages are based on pure live seed concentrations.

- During the past reporting year, COGEMA has continued to improve sedimentation control, topsoil management practices and erosion control. During this reporting period, the following efforts were made:

  - Numerous sediment fences were installed and/or maintained in areas susceptible to erosion along the roadway of Unit 5, Module 4, the major draws of Unit 6, and along steep hillsides of Unit 7.

  - Areas of erosion due to precipitation runoff were repaired and seeded by hand along the roadway leading into Unit 5.

Photograph # 1
Christensen Ranch Project - Main Plant, Office Buidling and Evaporation Ponds

Photograph # 2
Christensen Ranch Project - Class I Injection Well # 18-3

Photograph # 3
Christensen Ranch Project - Mine Unit 3 with the main plant in the background

Photograph # 4
Christensen Ranch Project - Mine Unit 3

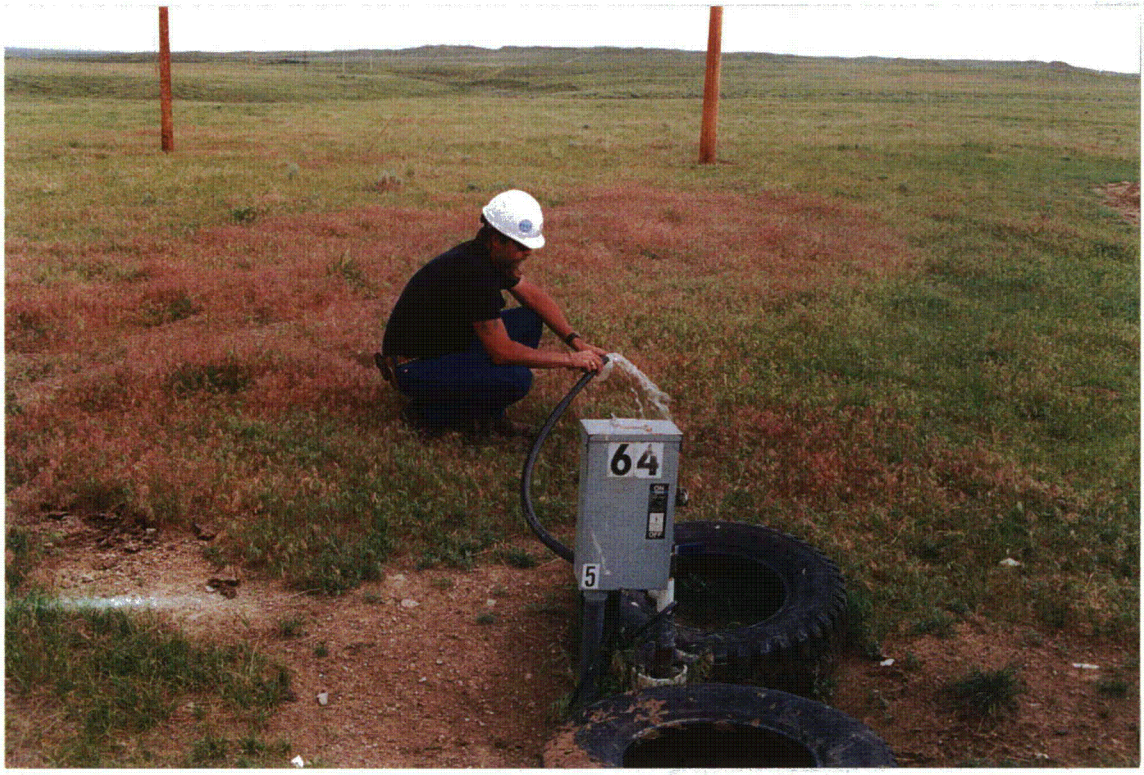
Photograph # 5
Christensen Ranch Project - Mine Unit 5

Photograph # 6
Christensen Ranch Project - Mine Unit 6 with the Pumpkin Buttes in the background

Photograph # 7
Irigaray Project - Main Plant

Photograph # 8
Irigaray Project - Production Unit 9

Photograph # 9
Christensen Project - employee conducting a mechanical integrity test on a well



Photograph # 10
Christensen Project - employee collecting a water sample from a monitor well

- Poly pipe located on environmental monitoring wells to direct discharges, which occur during sampling, away from erodible areas to flat or gentle gradient areas are continually inspected and maintained.

f) Reclamation costs incurred during this reporting period are listed below. Please note that in-house costs were not included due to difficulty in tracking time for these activities. All seeding was conducted in-house.

Seed	$495.00
Cost per acre (based on 2.53 acres):	$195.65

5. 2000 - 2001 MINE PLAN

Plans for the Irigaray and Christensen Ranch mines for next year's period of August, 2000 through the end of 2001 are as follows:

IR
- All existing wellfields have been mined out. The activities planned at the Irigaray site for the coming year consist of continued use of the central plant for processing Christensen resins; elution, precipitation and drying of product from Christensen restoration and product from Irigaray restoration. Groundwater restoration will continue in Units 6 and 7.

CR
- All existing wellfields have been mined out. The current mine plan calls for Christensen Mine to continue with the total restoration of all wellfields.
- No new development is anticipated at the Christensen Mine during the next reporting period. Mine Units 7 and 8 are on hold with no additional development or mining planned at this time.

6. 2000 - 2001 RECLAMATION PLAN

a) Surface Reclamation

IR: No surface reclamation is anticipated during the next report period at the Irigaray mine. Wellfield decommissioning and well abandonment may start in Mine Unit 1 through 5, pending approval of the final restoration completion report and subsequent approval by the agencies.

CR: During 2000 - 2001 surface reclamation will be limited to minor disturbance areas.

b) Aquifer Restoration

IR: A final restoration completion report covering Mine Units 1 through 5 will be submitted to the agencies concurrent with this Annual report. Reverse osmosis treatment of Mine Unit 6 and 7 will continue until groundwater quality has been restored. At that

time, the wellfields will enter the recirculation and stabilization phase of restoration. Mine Unit 8 will be placed in the stabilization phase of restoration upon completion of the recirculation phase of restoration. Unit 9 is currently in the stabilization phase of restoration.

CR: Reverse osmosis treatment in Mine Unit 3 will continue. Startup of reverse osmosis treatment in Mine Unit 2 will be contingent upon progress in Mine Unit 3. Groundwater sweep will contine in Unit 5 and will commence in Unit 6.

7. MONITORING ACTIVITIES

a) Groundwater Monitoring

- Groundwater quality at both the IR and CR wellfields is continuously monitored through the sampling of environmental trend and monitor wells. Analytical results and associated water level data obtained from the sampling of the environmental wells for January 1, 2000 through June 30, 2000 are contained in Appendix 2 of this report. A computer disk containing the same information is included with this report. The locations of the environmental wells cited may be found on the Irigaray and Christensen Ranch General Location Maps or Piezometric maps located in Appendix 5 of this report.

Excursion Status Report - Eight monitor wells remained on excursion status during this reporting period; all eight wells are located at the Irigaray site within restored wellfields, or within a wellfield undergoing restoration. These monitor wells are M2, SSM3, SSM18, SSM40, SSM41, SSM42, SSM43, and DM10. Two wells were taken off excursion status during this reporting period, both wells are located at the Christensen Ranch site: MW89 and 6MW21. A listing of the wells is provided below. Monthly and quarterly excursion status reports are issued to the WDEQ and NRC, respectively. Therefore, the status of each will not be repeated in this report.

Irigaray

Perimeter Ore Zone Monitor Well M2: Irigaray Production Unit 3.
Date of Initial Excursion: May 11, 2000

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

Interior Shallow Zone Monitor Well MW89: Christensen Production Unit 2
Date of Initial Excursion: October 8, 1999
Date of Excursion Termination: June 5, 2000

Perimeter Ore Zone Monitor Well 6MW21: Christensen Production Unit 6.
Date of Initial Excursion: October 28, 1999
Date of Excursion Termination: December 6, 1999

b) Surface Water Monitoring

Willow Creek is the only source of surface water present within and adjacent to the permit boundary of both the Irigaray and Christensen Ranch mines. Willow Creek is sampled at the Irigaray site on a quarterly basis at three stations, IR-9 (downstream from the mine at the confluence with the Powder River), IR-14 (upstream from the mine), and IR-17 (located adjacent to the wellfield areas).

Another station, IR-5 is located on the Powder River downstream from the confluence with Willow Creek (and, therefore, downstream from all mining operations) and is sampled on an annual basis.

Three locations on Willow Creek are sampled for the Christensen operations on a quarterly basis when flow is available in the stream. These are CG-05 (upstream), GS-01 (downstream), and GS-03, located adjacent to Mine Unit 3 operations.

Sampling results from the first and second quarters of 2000 are provided in Table 1, following. Data from the last two quarters of 1999 were previously submitted in the Semi-Annual Report in February, 2000. The results shown for IR-5 (annual Powder River sample) are from the March 2, 2000 sample. Maps showing the locations of the surface water sampling sites may be found in Appendix 5.

NPDES Monitoring Program - A total of 10,538,460 gallons of treated water were surface discharged at the Irigaray Mine from August 19, 1999 to June 30, 2000, in accordance with the provision of Wyoming NPDES Permit No. WY0028801. Discharges were intermittent during this period. All solutions during this reporting period consisted of treated aquifer restoration solutions generated during restoration activities in Production Units 4 through 9. During this period treated pond water was also discharged with the groundwater sweep solutions. Approval to treat and discharge pond solutions was received

from the WDEQ on March 25, 1996. Discharge point No. 001 was utilized during this period. Data accumulated during the first two quarters of the 2000 sampling period are provided in Table 2a & b. Data from the last two quarters of 1999 were provided in the Semi-Annual Report submitted in February, 1999.

No discharge occurred at discharge point No. 002 of the Christensen Mine during the period from August 19, 1999 to June 30, 2000, under Wyoming NPDES Permit No. WY0033642.

c) Precipitation data from the IR and CR sites are not available.

d) through g) N/A

h) Due to the termination of mining activites and the initiation of restoration/reclamation activities exclusively, 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 location of all monitoring are found is located in Appendix 5 of this report.

8. RECLAMATION PERFORMANCE BOND ESTIMATE

An updated reclamation/restoration surety estimate for the period of August 2000 through August 2001 is provided in Appendix 4 of this report. The changes made since last year's annual report are listed as follows:

- Incorporation of $400,000 into Worksheet 1 for the restoration of long-term vertical monitor well excursions at Irigaray, as mandated by the Wyoming Department of Environmental Quality in their letter to COGEMA dated April 7, 2000.

- The reduction of byproduct disposal rates at Pathfinder's Shirley Basin tailings facility from $15.75/ft3 to $11.00/ft3 for the majority of byproduct wastes and from $141/yd3 to $100/yd3 including demolition debris, soils, and concrete. The reductions are based on new disposal contract rates established by market conditions. Worksheets 2, 3, 4, and 6 are affected by this decrease.

- New contingency requirements have been added to the cost estimate as per WDEQ mandate dated April 7, 2000. New line items for pre-construction investigation and on-site monitoring have been added (1% and 0.5% respectively). Also, a 1% increase in long - term administration is added per WDEQ, but is offset by a 1% decrease in the category of unknowns (also per WDEQ). The net contingency increase is 1.5% for a new total of 21.5%.

- An inflation factor of 15.6% has been added to the cost estimate based on the change in CPI from August 1994 through June 2000.

- The net result of the above changes is a $766,887 decrease in the overall cost estimate.

No decrease to the reclamation estimate is requested at this time for the completion of restoration in Irigaray Production Units 1 through 5, although a separate submittal requesting bond release is anticipated for submittal to the WDEQ during the last half of August 2000.

9. ADDITIONAL INFORMATION AS REQUESTED BY THE DIVISION

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

c) No permit stipulations occurred during this reporting period.

d) Other: The information contained following is in response to the requirements of Section 4.11.2 of the Permit to Mine No. 478 application document, as approved by Amendment No. 1, March 6, 1987.

1) All maps showing locations of all installed wells and groundwater restoration that is occurring are found in Appendix 5. No additional expanision is planned in the next report period.

2) A summary of the gallons injected and recovered from the ore zone during the period of July 1, 1999 through June 30, 2000 for both the Irigaray and Christensen Ranch sites is provided in the tables included at the end of this report. All volumes are calculated from totalizing flowmeters.

3) Assays for all environmental wells sampled in the January through June, 2000 period are contained in Appendix 2 of this report.

4) Piezometric maps of all potentially affected zones for the Irigaray and Christensen

Ranch sites are included in Appendix 5. These include the Irigaray ore zone, Unit 1 sand (shallow monitor zone), deep monitor zone and coal trend zone, as well as the Christensen ore zone, shallow monitor zone and deep monitor zone. The maps were constructed using water levels from monitor and trend wells obtained during June

2000 (dates are noted on the individual maps). A tabulation of the water level data accompanies each map in Appendix 5.

10. ABANDONED DRILL HOLE INFORMATION

No drill holes were abandoned during this reporting period.

TABLES

TABLE 1

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected:Annual sample collected 02-Mar-00
Sample Location: IR-5, Powder River at IR Ranch Site
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.98 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	236	1	N/A	N/A	N/A
Cl	179	1	N/A	N/A	N/A
TDS	1910	2	N/A	N/A	N/A
Specific Conductivity	2650	1	N/A	N/A	N/A
SO4	941	1	N/A	N/A	N/A
pH	8.30	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Medium

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected:02-Mar-00
Sample Location: IR-9, Downstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	3.70 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	234	1	N/A	N/A	N/A
Cl	101	1	N/A	N/A	N/A
TDS	6100	2	N/A	N/A	N/A
Specific Conductivity	6720	1	N/A	N/A	N/A
SO4	3840	1	N/A	N/A	N/A
pH	8.03	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.022	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected:02-Mar-00
Sample Location: IR-14, Upstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.91 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	87	1	N/A	N/A	N/A
Cl	21.1	1	N/A	N/A	N/A
TDS	1320	2	N/A	N/A	N/A
Specific Conductivity	1730	1	N/A	N/A	N/A
SO4	809	1	N/A	N/A	N/A
pH	7.79	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected:02-Mar-00
Sample Location: IR-17, Mine Site, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.85 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	267	1	N/A	N/A	N/A
Cl	44.2	1	N/A	N/A	N/A
TDS	3750	2	N/A	N/A	N/A
Specific Conductivity	4140	1	N/A	N/A	N/A
SO4	2290	1	N/A	N/A	N/A
pH	7.82	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected:26-Jan-00
Sample Location:CR GS-01, Downstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	6.23 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	127	1	N/A	N/A	N/A
Cl	12	1	N/A	N/A	N/A
TDS	837	2	N/A	N/A	N/A
Specific Conductivity	1250	1	N/A	N/A	N/A
SO4	482	1	N/A	N/A	N/A
pH	7.91	0.01	N/A	N/A	N/A
As	0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected:26-Jan-00
Sample Location: CR GS-03, Mine Site, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.21 E-07	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	443	1	N/A	N/A	N/A
Cl	89	1	N/A	N/A	N/A
TDS	4500	2	N/A	N/A	N/A
Specific Conductivity	5170	1	N/A	N/A	N/A
SO4	2660	1	N/A	N/A	N/A
pH	7.89	0.01	N/A	N/A	N/A
As	0.003	0.001	N/A	N/A	N/A
Se	0.084	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected:26-Jan-00
Sample Location: CR CG-05, Upstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	3.18 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	398	1	N/A	N/A	N/A
Cl	17.9	1	N/A	N/A	N/A
TDS	2920	2	N/A	N/A	N/A
Specific Conductivity	3440	1	N/A	N/A	N/A
SO4	1660	1	N/A	N/A	N/A
pH	8.13	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected: 24-May-2000
Sample Location: IR-9, Downstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	3.95 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	152	1	N/A	N/A	N/A
Cl	159	1	N/A	N/A	N/A
TDS	5770	2	N/A	N/A	N/A
Specific Conductivity	6500	1	N/A	N/A	N/A
SO4	3740	1	N/A	N/A	N/A
pH	7.76	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.009	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected: 24-May-2000
Sample Location: IR-14, Upstream Willow Creek, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	8.60 E-09	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	58	1	N/A	N/A	N/A
Cl	76.6	1	N/A	N/A	N/A
TDS	4570	2	N/A	N/A	N/A
Specific Conductivity	5130	1	N/A	N/A	N/A
SO4	2850	1	N/A	N/A	N/A
pH	7.58	0.01	N/A	N/A	N/A
As	0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected: 24-May-2000
Sample Location: IR-17, Mine Site, Irigaray
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	2.30 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	282	1	N/A	N/A	N/A
Cl	42.7	1	N/A	N/A	N/A
TDS	3800	2	N/A	N/A	N/A
Specific Conductivity	4200	1	N/A	N/A	N/A
SO4	2370	1	N/A	N/A	N/A
pH	7.79	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected: 24-May-2000
Sample Location:CR GS-01, Downstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.44 E-07	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	394	1	N/A	N/A	N/A
Cl	87.0	1	N/A	N/A	N/A
TDS	5710	2	N/A	N/A	N/A
Specific Conductivity	6300	1	N/A	N/A	N/A
SO4	3330	1	N/A	N/A	N/A
pH	7.96	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.010	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected: 24-May-2000
Sample Location: CR GS03, Mine Site, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.22 E-07	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-10		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	382	1	N/A	N/A	N/A
Cl	60.9	1	N/A	N/A	N/A
TDS	5260	2	N/A	N/A	N/A
Specific Conductivity	5970	1	N/A	N/A	N/A
SO4	3350	1	N/A	N/A	N/A
pH	7.97	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	0.011	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 1 (contd)

COGEMA Mining, Inc.
Annual Report, January - June, 2000
WDEQ Permit No. 478

Date Collected: 24-May-2000
Sample Location: CR CG-05, Upstream Willow Creek, Christensen
Sample Type: Surface Water
Analytical Laboratory: Energy Lab, Casper, WY.

Radionuclide	Concentration (uCi/ml)	Error Estimate (uCi/ml)	LLD (uCi/ml)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
U (Total)	1.36 E-08	N/A (a)	2.0 E-10	2.0 E-10	3.0 E-07	No
Th-230 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	1.0 E-07	No
Ra-226 (Total)	<2.0 E-10		2.0 E-10	2.0 E-10	6.0 E-08	No
Pb-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	1.0 E-08	No
Po-210 (Total)	<1.0 E-09		1.0 E-09	1.0 E-09	4.0 E-08	No

Chemical Parameters	Concentration (mg/l)	Detection Limit (mg/l)	Regulatory Guide 4.14 LLD (uCi/ml)	10 CFR 20 Appendix B Table 2 Limits (uCi/ml)	Effluent Limit Exceedance
Total Alkalinity	320	1	N/A	N/A	N/A
Cl	11.7	1	N/A	N/A	N/A
TDS	2310	2	N/A	N/A	N/A
Specific Conductivity	2820	1	N/A	N/A	N/A
SO4	1390	1	N/A	N/A	N/A
pH	8.08	0.01	N/A	N/A	N/A
As	<0.001	0.001	N/A	N/A	N/A
Se	<0.001	0.001	N/A	N/A	N/A

Estimated Flow Rate: Low

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

N/A = Not Applicable
(a) Uranium is a chemical rather than radiometric analysis. With no counting times there is no error estimate.

TABLE 2A

COGEMA Mining, Inc.
DISCHARGE POINT 001
Irigaray

PARAMETER	01-00	02-00	03-00	04-00	05-00	06-00	PERMIT REQUIREMENT AVG.	PERMIT REQUIREMENT MAX.
Flow (MGD) Average	0.029	0.037	0.049	0.042	0.039	0.044	N/A	N/A
Total Uranium (U) (mg/l)	0.0530	0.034	0.037	0.118	0.08	0.109	2	4
Dissolved Radium-226 (pCi/l) Average	2.10	<0.2	2.25	0.3	1.5	<0.2	3	10
Total Suspended Solids (mg/l) (weekly avg.)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	20	30
Total Dissolved Solids (mg/l)	674	726.000	692	827	837	513	N/A	5000
QUARTERLY ANALYSIS	Jan 2000			May 2000				
Uranium Total (uCi/ml)	3.59 E-08			7.58 E-08			3E-07*	
Radium 226 Total (uCi/ml)	<2.0 E-10			<2.0 E-10			6E-08*	
Thorium-230 Total (uCi/ml)	<2.0 E-10			<2.0 E-10			1E-07*	
Pb-210 Total (uCi/ml)	<1.0E-09			<1.0 E-9			1E-08*	
Po-210 Total (uCi/ml)	<1.0E-09			<1.0 E-9			4E-08*	
Zinc Total (mg/l)	<0.01			<0.01			0.5	1.0
pH (units)	6.7			6.34			6.00	9.00
Selenium (mg/l)	0.002			0.003			N/A	0.05

N.D. - No Discharge
N/A - Not Available
* 10 CFR 20, Appendix B, Table II, Column II Effluent Limitations

TABLE 2B

COGEMA Mining, Inc.
DISCHARGE POINT 002
Christensen

PARAMETER	01-00	02-00	03-00	04-00	05-00	06-00	PERMIT REQUIREMENT AVG.	PERMIT REQUIREMENT MAX.
Flow (MGD) Average	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N/A	N/A
Total Uranium (U) (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	4
Dissolved Radium-226 (pCi/l) Average	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	10
Total Suspended Solids (mg/l) (weekly avg.)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	20	30
Total Dissolved Solids (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N/A	5000
QUARTERLY ANALYSIS	January 2000			April 2000				
Uranium Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3E-07*	
Radium 226 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6E-08*	
Thorium-230 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1E-07*	
Pb-210 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1E-08*	
Po-210 Total (uCi/ml)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4E-08*	
Zinc Total (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	1.0
pH (units)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6.00	9.00
Selenium (mg/l)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N/A	0.05

N.D. - No Discharge
N/A - Not Available
* 10 CFR 20, Appendix B, Table II, Column II Effluent Limitations

TABLE 3

Christensen Ranch Project -- Production Flow Volumes (Mine Units 5 & 6)

Month	Kgallons Injected	Kgallons Recovered	Average Flow Rate Recovery (gpm)
July, 1999	59,531	60,694	1,505
August, 1999	89,461	90,715	1,827
September, 1999	77,364	78,398	1,960
October, 1999	91,883	95,775	1,904
November, 1999	75,299	76,525	1,902
December, 1999	76,757	78,153	1,938
January, 2000	93,563	95,676	1,906
February, 2000	68,073	68,971	1,724
March, 2000	42,942	44,371	1,100
April, 2000	15,204	18,981	398
May, 2000	6,543	8,808	218
June, 2000	2,584	6,440	178
	699,205 total	**723,507 total**	**1,403 annual average**

Christensen Ranch Project -- Restoration Flow Volumes (Mine Units 3 & 5)

Month	Kgallons Injected	Kgallons Recovered	Average Flow Rate Recovery (gpm)
July, 1999	5,939	8,411	209
August, 1999	7,257	10,504	209
September, 1999	5,521	8,263	206
October, 1999	6,318	9,493	188
November, 1999	5,379	7,926	197
December, 1999	5,633	7,887	196
January, 2000	8,337	11,548	269
February, 2000	8,229	13,932	346
March, 2000	11,012	13,445	334
April, 2000	14,654	17,187	345
May, 2000	13,522	15,515	385
June, 2000	13,264	15,433	390
	105,065 total	**139,544 total**	**271 annual average**

Irigaray Project -- Restoration Flow Volumes (Mine Units 6 - 9)

Month	Kgallons Injected	Kgallons Recovered	Average Flow Rate Recovery (gpm)
July, 1999	6,830	7,920	196
August, 1999	9,221	10,573	213
September, 1999	7,604	8,667	215
October, 1999	8,640	10,267	205
November, 1999	7,246	8,216	204
December, 1999	7,414	8,269	205
January, 2000	9,792	10,422	207
February, 2000	8,229	9,608	238
March, 2000	9,443	11,363	291
April, 2000	11,033	13,016	259
May, 2000	8,714	10,480	268
June, 2000	9,526	11,469	289
	103,691 total	**120,270 total**	**231 annual average**

APPENDIX 1

Restoration Summary

THIS PAGE IS AN OVERSIZED DRAWING OR FIGURE,

THAT CAN BE VIEWED AT THE RECORD TITLED: "CHRISTENSEN RANCH RESTORATION PROGRESS MAP OF PRODUCTION UNITS 2 THRU 6" PERMIT TO MINE No. 478.

WITHIN THIS PACKAGE... OR BY SEARCHING USING THE DOCUMENT/REPORT NO.

D-01

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D-02

APPENDIX 2

2000 Individual Monitor & Trend Well Analytical Data

APPENDIX 2 INDEX
INDIVIDUAL MONITOR and TREND WELL ANALYTICAL DATA

IRIGARAY RANCH
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

APPENDIX 2 INDEX
INDIVIDUAL MONITOR and TREND WELL ANALYTICAL DATA

IRIGARAY RANCH
Trend Wells

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

APPENDIX 2 INDEX
INDIVIDUAL MONITOR and TREND WELL ANALYTICAL DATA

CHRISTENSEN RANCH
Monitor Wells

Perimeter Ore Zone					
Well No.	Location	Page No.	Well No.	Location	Page No.
MW17-2	Mine Unit 3	68	MW87	Mine Unit 2	110
MW18	Mine Unit 3	69	MW88	Mine Unit 2	111
MW19	Mine Unit 3	70	MW89	Mine Unit 2	112
MW20	Mine Unit 3	71	MW90	Mine Unit 2	113
MW23	Mine Unit 3	72	MW101	Mine Unit 2	114
MW24	Mine Unit 3	73	MW102	Mine Unit 2	115
MW25	Mine Unit 3	74	MW103	Mine Unit 2	116
MW26	Mine Unit 3	75	MW104	Mine Unit 2	117
MW27	Mine Unit 3	76	MW105	Mine Unit 2	118
MW28	Mine Unit 3	77	MW106	Mine Unit 2	119
MW29	Mine Unit 3	78	MW107	Mine Unit 2	120
MW30	Mine Unit 3	79	MW108	Mine Unit 2	121
MW31	Mine Unit 3	80	MW109	Mine Unit 2	122
MW32	Mine Unit 3	81	MW110	Mine Unit 2	123
MW35	Mine Unit 3	82	MW111	Mine Unit 2	124
MW36	Mine Unit 3	83	MW114	Mine Unit 3	125
MW37	Mine Unit 3	84	MW115	Mine Unit 3	126
MW38	Mine Unit 3	85	MW116	Mine Unit 3	127
MW39	Mine Unit 3	86	4MW-1	Mine Unit 4	128
MW40	Mine Unit 3	87	4MW-2	Mine Unit 4	129
MW41	Mine Unit 3	88	4MW-3	Mine Unit 4	130
MW42	Mine Unit 3	89	4MW-4	Mine Unit 4	131
MW43	Mine Unit 3	90	4MW-5	Mine Unit 4	132
MW44	Mine Unit 3	91	4MW-6	Mine Unit 4	133
MW45	Mine Unit 3	92	4MW-7	Mine Unit 4	134
MW62	Mine Unit 3	93	4MW-8	Mine Unit 4	135
MW63	Mine Unit 3	94	4MW-9	Mine Unit 4	136
MW64	Mine Unit 3	95	4MW-10	Mine Unit 4	137
MW73	Mine Unit 2	96	4MW-11	Mine Unit 4	138
MW74	Mine Unit 2	97	4MW-12	Mine Unit 4	139
MW75	Mine Unit 2	98	4MW-13	Mine Unit 4	140
MW76	Mine Unit 2	99	4MW-14	Mine Unit 4	141
MW77	Mine Unit 2	100	4MW-15	Mine Unit 4	142
MW78	Mine Unit 2	101	4MW-16	Mine Unit 4	143
MW79	Mine Unit 2	102	4MW-17	Mine Unit 4	144
MW80	Mine Unit 2	103	4MW-18	Mine Unit 4	145
MW81	Mine Unit 2	104	4MW-19	Mine Unit 4	146
MW82	Mine Unit 2	105	4MW-20	Mine Unit 4	147
MW83	Mine Unit 2	106	4MW-21	Mine Unit 4	148
MW84	Mine Unit 2	107	4MW-22	Mine Unit 4	149
MW85	Mine Unit 2	108	4MW-23	Mine Unit 4	150
MW86	Mine Unit 2	109	4MW-24	Mine Unit 4	151

APPENDIX 2 INDEX
INDIVIDUAL MONITOR and TREND WELL ANALYTICAL DATA

CHRISTENSEN RANCH
Monitor Wells

Perimeter Ore Zone (cont.)					
4MW-25	Mine Unit 4	152	5MW57	Mine Unit 5	194
5MW1	Mine Unit 5	153	5MW58	Mine Unit 5	195
5MW2	Mine Unit 5	154	5MW59	Mine Unit 5	196
5MW3	Mine Unit 5	155	5MW60	Mine Unit 5	197
5MW4	Mine Unit 5	156	5MW61	Mine Unit 5	198
5MW5	Mine Unit 5	157	5MW62	Mine Unit 5	199
5MW6	Mine Unit 5	158	5MW63	Mine Unit 5	200
5MW7	Mine Unit 5	159	5MW64	Mine Unit 5	201
5MW8	Mine Unit 5	160	5MW65	Mine Unit 5	202
5MW10	Mine Unit 5	161	5MW66	Mine Unit 5	203
5MW12	Mine Unit 5	162	5MW67	Mine Unit 5	204
5MW14	Mine Unit 5	163	5MW69	Mine Unit 5	205
5MW16	Mine Unit 5	164	6MW17-2	Mine Unit 6	206
5MW18	Mine Unit 5	165	6MW19	Mine Unit 6	207
5MW20	Mine Unit 5	166	6MW21	Mine Unit 6	208
5MW30A	Mine Unit 5	167	6MW23	Mine Unit 6	209
5MW31	Mine Unit 5	168	6MW25	Mine Unit 6	210
5MW32A	Mine Unit 5	169	6MW27	Mine Unit 6	211
5MW33	Mine Unit 5	170	6MW29	Mine Unit 6	212
5MW34	Mine Unit 5	171	6MW31	Mine Unit 6	213
5MW35A	Mine Unit 5	172	6MW33	Mine Unit 6	214
5MW36	Mine Unit 5	173	6MW34	Mine Unit 6	215
5MW37	Mine Unit 5	174	6MW35	Mine Unit 6	216
5MW38	Mine Unit 5	175	6MW36	Mine Unit 6	217
5MW39A	Mine Unit 5	176	6MW37	Mine Unit 6	218
5MW40	Mine Unit 5	177	6MW38	Mine Unit 6	219
5MW41A	Mine Unit 5	178	6MW39	Mine Unit 6	220
5MW42	Mine Unit 5	179	6MW40	Mine Unit 6	221
5MW43	Mine Unit 5	180	6MW41	Mine Unit 6	222
5MW44	Mine Unit 5	181	6MW42	Mine Unit 6	223
5MW45	Mine Unit 5	182	6MW43	Mine Unit 6	224
5MW46	Mine Unit 5	183	6MW44	Mine Unit 6	225
5MW47B	Mine Unit 5	184	6MW45	Mine Unit 6	226
5MW48	Mine Unit 5	185	6MW46	Mine Unit 6	227
5MW49	Mine Unit 5	186	6MW47	Mine Unit 6	228
5MW50	Mine Unit 5	187	6MW48-3	Mine Unit 6	229
5MW51	Mine Unit 5	188	6MW49	Mine Unit 6	230
5MW52	Mine Unit 5	189	6MW50	Mine Unit 6	231
5MW53	Mine Unit 5	190	6MW51	Mine Unit 6	232
5MW54	Mine Unit 5	191	6MW52	Mine Unit 6	233
5MW55	Mine Unit 5	192	6MW53	Mine Unit 6	234
5MW56	Mine Unit 5	193	6MW54	Mine Unit 6	235

APPENDIX 2 INDEX
INDIVIDUAL MONITOR and TREND WELL ANALYTICAL DATA

CHRISTENSEN RANCH
Monitor Wells

Shallow Sand					
MW-11S	Mine Unit 5	236	4SRM-07	Mine Unit 4	258
MW46S	Mine Unit 3	237	5SM-1	Mine Unit 5	259
MW48S	Mine Unit 3	238	5SM2	Mine Unit 5	260
MW50S	Mine Unit 3	239	5SM3	Mine Unit 5	261
MW52S	Mine Unit 3	240	5SM5	Mine Unit 5	262
MW54S	Mine Unit 3	241	5SM6	Mine Unit 5	263
MW56S	Mine Unit 3	242	5SM7	Mine Unit 5	264
MW58S	Mine Unit 3	243	WCOW-04	Mine Unit 5	265
MW66S-2	Mine Unit 3	244	6SM1	Mine Unit 6	266
MW68S	Mine Unit 2	245	6SM2	Mine Unit 6	267
MW70S	Mine Unit 2	246	6SM3	Mine Unit 6	268
MW72S	Mine Unit 2	247	6SM4	Mine Unit 6	269
MW92S	Mine Unit 2	248	6SM5	Mine Unit 6	270
MW94S	Mine Unit 2	249	6SM6	Mine Unit 6	271
MW96S	Mine Unit 2	250	6SM7	Mine Unit 6	272
MW98S	Mine Unit 2	251	6SM8	Mine Unit 6	273
MW100S	Mine Unit 2	252	6SM9	Mine Unit 6	274
MW112S	Mine Unit 2	253	6SM10	Mine Unit 6	275
MW117S	Mine Unit 2	254	6SM11	Mine Unit 6	276
4SM-1	Mine Unit 4	255	6SM12	Mine Unit 6	277
4SM-4	Mine Unit 4	256	6SM13	Mine Unit 6	278
4SM-8	Mine Unit 4	257	6SM14	Mine Unit 6	279

APPENDIX 2 INDEX
INDIVIDUAL MONITOR and TREND WELL ANALYTICAL DATA

CHRISTENSEN RANCH
Monitor Wells

Deep Sand					
MW-12D	Mine Unit 5	280	5DM1A	Mine Unit 5	302
MW45D	Mine Unit 3	281	5DM2	Mine Unit 5	303
MW47D	Mine Unit 3	282	5DM3	Mine Unit 5	304
MW49D	Mine Unit 3	283	5DM4	Mine Unit 5	305
MW51D	Mine Unit 3	284	5DM5	Mine Unit 5	306
MW53D	Mine Unit 3	285	5DM7	Mine Unit 5	307
MW55D	Mine Unit 3	286	WCOW-37D	Mine Unit 5	308
MW57D	Mine Unit 3	287	6DM1	Mine Unit 6	309
MW65D	Mine Unit 3	288	6DM2	Mine Unit 6	310
MW67D	Mine Unit 2	289	6DM3-2	Mine Unit 6	311
MW69D	Mine Unit 2	290	6DM4-2	Mine Unit 6	312
MW71D	Mine Unit 2	291	6DM5	Mine Unit 6	313
MW91D	Mine Unit 2	292	6DM6	Mine Unit 6	314
MW93D	Mine Unit 2	293	6DM7	Mine Unit 6	315
MW95D	Mine Unit 2	294	6DM8	Mine Unit 6	316
MW97D	Mine Unit 2	295	6DM9	Mine Unit 6	317
MW99D	Mine Unit 2	296	6DM10	Mine Unit 6	318
MW113D	Mine Unit 2	297	6DM11	Mine Unit 6	319
4DM-1	Mine Unit 4	298	6DM12	Mine Unit 6	320
4DM-4	Mine Unit 4	299	6DM13	Mine Unit 6	321
4DM-8	Mine Unit 4	300	6DM14	Mine Unit 6	322
4DRM-07	Mine Unit 4	301			

APPENDIX 2 INDEX
INDIVIDUAL MONITOR and TREND WELL ANALYTICAL DATA

CHRISTENSEN RANCH
Trend Wells

Perimeter Ore Zone					
Well No.	Location	Page No.	Well No.	Location	Page No.
MW78T	Mine Unit 2	323	6TW2	Mine Unit 6	327
MW87T	Mine Unit 2	324	6TW3	Mine Unit 6	328
5TW-1	Mine Unit 5	325	6TW4	Mine Unit 6	329
6TW1	Mine Unit 6	326	6TW5	Mine Unit 6	330
Deep Sand					
5DM8T	Mine Unit 5	331	6DT1	Mine Unit 6	333
5DM9T	Mine Unit 5	332			

IRIGARAY RANCH
5I7 and USMT Sites

Monitor Well Analysis					
Well No.	Location	Page No.	Well No.	Location	Page No.
	5I7/USMT	334			

IRIGARAY RANCH

PERIMETER ORE ZONE MONITOR WELLS

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M2

1st HALF, 2000

Water Quality Parameters	Chloride		Specific 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								
15 FEB 2000	16.6		788	*	87.3	8.5	-1	4265.8
09 MAY 2000	19.3	*	814	*	94.3	8.5	-1	4259.5
11 MAY 2000	19.3	*	799	*	96.6	8.7	-1	4259.4
15 MAY 2000	19.1	*	786	*	94.9	8.5	-1	4251.0
23 MAY 2000	17.0		775	*	97.0	8.6	-1	4247.5
31 MAY 2000	15.8		732	*	100.3	8.5	-1	4242.5
05 JUN 2000	15.4		754	*	93.3	8.5	-1	4242.7

* Values Exceed Upper Control Limit

M2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M4

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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							
16 FEB 2000	10.5	990	*	80.8	8.4		4283.6
16 MAY 2000	10.1	1020	*	80.6	8.4		4274.4

* Values Exceed Upper Control Limit

M4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M7

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
16 FEB 2000	10.9	1905	*	91.6	8.0	4288.0
23 MAY 2000	11.4	1936	*	95.0	8.1	4279.6

* Values Exceed Upper Control Limit

M7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M10

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
15 FEB 2000	16.7	646	114.8	8.6		4271.3
16 MAY 2000	14.9	644	109.4	8.6		4259.2

* Values Exceed Upper Control Limit

M10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M17

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
16 FEB 2000	9.6	651	83.7	8.6		4279.4
16 MAY 2000	9.7	655	86.8	8.5		4267.2

* Values Exceed Upper Control Limit

M17

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M18

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
16 FEB 2000	10.4	1526	*	84.2	8.2	4286.2
23 MAY 2000	10.7	1553	*	85.4	8.2	4276.7

* Values Exceed Upper Control Limit

M18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M19

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
15 FEB 2000	10.6	604	92.3	8.6		4282.3
16 MAY 2000	10.6	606	94.7	8.6		4272.0

* Values Exceed Upper Control Limit

M19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M23

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
15 FEB 2000	11.0	619 *	89.5	8.6		4282.4
16 MAY 2000	10.8	627 *	89.7	8.6		4270.7

* Values Exceed Upper Control Limit

M23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M24

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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 JAN 2000	8.7	500	107.6	8.7		4276.6
08 FEB 2000	8.8	498	107.3	8.8		4282.3
07 MAR 2000	8.8	505	106.0	8.7		4270.5
04 APR 2000	8.7	501	109.9	8.8		4259.7
02 MAY 2000	8.9	500	105.0	8.8		4265.4
13 JUN 2000	8.7	503	109.8	8.7		4259.7

* Values Exceed Upper Control Limit

M24

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M25

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	10.7	601	90.3	8.6		4271.3
09 FEB 2000	10.8	598	91.9	8.6		4275.7
07 MAR 2000	10.7	604	90.7	8.7		4265.9
11 APR 2000	11.2	607	96.0	8.7		4255.6
02 MAY 2000	11.0	604	89.8	8.6		4263.5
13 JUN 2000	10.6	605	92.7	8.5		4254.0

* Values Exceed Upper Control Limit

M25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 7 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M26

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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 JAN 2000	9.5	533	100.7	8.6		4264.2
08 FEB 2000	9.5	530	103.5	8.7		4271.6
07 MAR 2000	9.4	538	98.9	8.7		4257.3
04 APR 2000	9.3	535	103.6	8.8		4255.0
02 MAY 2000	9.7	549	96.3	8.6		4248.5
13 JUN 2000	9.7	555	99.6	8.6		4247.5

* Values Exceed Upper Control Limit

M26

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 7 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M27

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	10.5	606	94.0	8.5		4257.4
08 FEB 2000	10.5	602	97.6	8.5		4265.3
13 MAR 2000	10.7	606	97.6	8.5		4242.8
04 APR 2000	10.8	607	98.6	8.6		4241.0
02 MAY 2000	11.0	606	91.9	8.5		4237.0
13 JUN 2000	10.7	609	94.3	8.4		4239.3

* Values Exceed Upper Control Limit

M27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 8 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M28

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
04 JAN 2000	10.7	623	89.5	8.6		4255.9
08 FEB 2000	10.8	622	90.2	8.6		4266.1
07 MAR 2000	10.8	627	89.3	8.7		4254.0
04 APR 2000	11.0	628	94.3	8.7		4260.7
02 MAY 2000	11.0	626	87.9	8.6		4255.0
12 JUN 2000	10.9	626	90.4	8.5		4253.7

* Values Exceed Upper Control Limit

M28

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 8 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M29 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
04 JAN 2000	10.6	613	92.0	8.6		4254.3
09 FEB 2000	10.7	605	94.0	8.7		4265.7
13 MAR 2000	10.6	618	93.8	8.8		4245.6
04 APR 2000	10.7	615	94.3	8.7		4254.3
02 MAY 2000	11.0	612	91.6	8.7		4235.1
13 JUN 2000	10.7	614	93.9	8.6		4241.4

* Values Exceed Upper Control Limit M29

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M30

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
04 JAN 2000	10.7	626	89.2	8.6		4264.8
08 FEB 2000	10.8	623	94.5	8.6		4272.5
07 MAR 2000	10.9	629	89.5	8.7		4260.9
04 APR 2000	10.5	628	91.5	8.7		4266.1
02 MAY 2000	11.0	626	88.8	8.6		4270.3
12 JUN 2000	10.7	628	91.3	8.5		4266.7

* Values Exceed Upper Control Limit

M30

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M32 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
04 JAN 2000	10.7	624	91.2	8.5		4283.0
08 FEB 2000	10.9	623	90.9	8.6		4284.3
07 MAR 2000	10.8	627	90.6	8.7		4273.9
04 APR 2000	10.6	627	92.2	8.7		4279.3
02 MAY 2000	11.1	625	90.2	8.6		4278.4
12 JUN 2000	11.4	628	98.6	8.4		4274.2

* Values Exceed Upper Control Limit M32

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M31

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
04 JAN 2000	12.5	630	100.0	8.5		4258.6
09 FEB 2000	12.8	626	101.6	8.6		4268.3
13 MAR 2000	12.5	633	102.2	8.6		4257.6
04 APR 2000	12.2	631	100.3	8.6		4263.6
02 MAY 2000	12.2	629	94.0	8.5		4248.0
13 JUN 2000	12.6	633	102.0	8.5		4247.2

* Values Exceed Upper Control Limit

M31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 PERIMETER ORE ZONE MONITOR WELL

Well I.D. M33

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
04 JAN 2000	10.7	612	92.9	8.5		4267.1
09 FEB 2000	10.5	610	91.5	8.6		4271.3
13 MAR 2000	10.9	618	95.6	8.6		4266.3
04 APR 2000	10.7	616	95.1	8.6		4268.4
02 MAY 2000	11.1	613	92.1	8.5		4258.7
13 JUN 2000	10.9	615	95.7	8.5		4253.1

* Values Exceed Upper Control Limit

M33

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 PERIMETER ORE ZONE MONITOR WELL

Well I.D. T31

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
16 FEB 2000	14.5	695	88.5	8.5		4270.0
16 MAY 2000	13.2	690	85.8	8.5		4252.3

* Values Exceed Upper Control Limit

T31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. RS27 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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							
15 FEB 2000	12.4	700	*	92.9	8.4		4275.0
16 MAY 2000	12.3	704	*	95.2	8.5		4263.6

* Values Exceed Upper Control Limit RS27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 16-151

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
04 JAN 2000	10.7	610	89.4	8.6		4279.6
09 FEB 2000	10.4	602	88.5	8.6		4279.9
13 MAR 2000	10.7	606	91.5	8.6		4275.7
04 APR 2000	10.9	611	94.0	8.7		4278.1
02 MAY 2000	11.0	602	87.2	8.7		4268.9
13 JUN 2000	10.6	605	90.6	8.6		4262.1

* Values Exceed Upper Control Limit

16-151

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY RANCH

INTERIOR SHALLOW SAND MONITOR WELLS

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM2

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20.3	2075	128.4			

Date						
16 FEB 2000	22.6	*	1995	106.3	7.9	4304.7
23 MAY 2000	22.8	*	1997	106.9	8.0	4303.6

* Values Exceed Upper Control Limit

SSM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM3 1st HALF, 2000

Water Quality Parameters	Chloride		Specific 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								
04 JAN 2000	54.8	*	1758	*	148.7	7.9	-1	4307.1
11 JAN 2000	55.4	*	1764	*	148.8	7.9	-1	4307.1
18 JAN 2000	55.6	*	1765	*	149.3	7.8	-1	4307.1
25 JAN 2000	55.7	*	1770	*	148.9	7.8	-1	4307.2
01 FEB 2000	55.4	*	1766	*	148.9	7.7	-1	4307.2
08 FEB 2000	56.2	*	1762	*	148.6	7.8	-1	4307.3
14 FEB 2000	55.2	*	1773	*	151.3	7.8	-1	4307.[illegible]
22 FEB 2000	55.4	*	1772	*	149.2	7.8	-1	4307.2
28 FEB 2000	55.9	*	1776	*	152.0	7.8	-1	4307.3
07 MAR 2000	56.3	*	1784	*	147.4	7.8	-1	4307.3
13 MAR 2000	53.2	*	1772	*	150.3	7.8	-1	4307.0
20 MAR 2000	55.8	*	1752	*	149.5	7.8	-1	4307.1
29 MAR 2000	54.7	*	1728	*	151.4	7.8	-1	4306.9
04 APR 2000	54.9	*	1781	*	151.5	7.8	-1	4306.7
11 APR 2000	55.9	*	1780	*	152.8	7.8	-1	4306.6
18 APR 2000	55.5	*	1759	*	153.1	7.8	-1	4306.6
25 APR 2000	55.0	*	1760	*	150.8	7.8	-1	4306.7
02 MAY 2000	56.2	*	1780	*	147.3	7.8	-1	4306.8
08 MAY 2000	56.4	*	1766	*	146.9	7.8	-1	4306.7
16 MAY 2000	55.2	*	1771	*	149.9	7.8	-1	4306.5
23 MAY 2000	55.0	*	1792	*	145.9	7.9	-1	4306.5
31 MAY 2000	56.8	*	1762	*	148.9	7.8	-1	4306.2
05 JUN 2000	56.4	*	1782	*	148.4	7.9	-1	4306.0
12 JUN 2000	57.4	*	1779	*	158.7	7.8	-1	4305.7
19 JUN 2000	56.2	*	1799	*	152.2	7.8	-1	4305.8
26 JUN 2000	56.3	*	1809	*	152.6	7.7	-1	4305.[illegible]

* Values Exceed Upper Control Limit

SSM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM4

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
22 FEB 2000	19.0	688	288.5 *	8.3		4299.9
24 MAY 2000	20.6	692	267.7	8.5		4299.0

* Values Exceed Upper Control Limit

SSM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM5 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
22 FEB 2000	14.9	741	211.3	7.9		4305.1
24 MAY 2000	15.4	728	208.1	8.1		4303.4

* Values Exceed Upper Control Limit SSM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 4 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM6

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
15 FEB 2000	11.1	2041	99.9	7.8		4306.8
16 MAY 2000	11.0	2056	96.8	7.9		4306.0

* Values Exceed Upper Control Limit

SSM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM7

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
15 FEB 2000	12.2	2285	96.7	7.8		4307.4
16 MAY 2000	12.3	2305	99.6	7.8		4306.6

* Values Exceed Upper Control Limit

SSM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM8

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
16 FEB 2000	12.9	2013	96.8	7.9		4307.1
16 MAY 2000	13.7	2044	98.6	7.9		4306.3

* Values Exceed Upper Control Limit

SSM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM9

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	8.9	1530	90.0	7.9		4309.6
15 FEB 2000	9.0	1524	90.1	7.9		4309.8
14 MAR 2000	9.1	1531	95.3	7.9		4309.7
11 APR 2000	9.1	1528	94.4	8.0		4309.0
09 MAY 2000	9.0	1527	93.0	7.9		4309.1
13 JUN 2000	9.0	1522	93.5	7.9		4308.5

* Values Exceed Upper Control Limit

SSM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM10

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	11.4	1613	109.3	8.0		4309.4
14 FEB 2000	11.2	1617	111.2	7.9		4309.7
14 MAR 2000	11.4	1622	113.4	7.9		4309.2
11 APR 2000	11.6	1631	112.2	8.2		4308.9
02 MAY 2000	11.5	1615	107.6	8.0		4309.1
12 JUN 2000	11.3	1617	111.9	7.8		4308.4

* Values Exceed Upper Control Limit

SSM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM11 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	12.9	2421	95.0	7.8		4311.0
15 FEB 2000	12.9	2448	87.7	7.8		4311.2
14 MAR 2000	12.6	2426	93.6	7.9		4310.9
11 APR 2000	12.4	2405	92.9	7.9		4310.4
16 MAY 2000	12.6	2414	94.3	7.9		4310.6
13 JUN 2000	12.9	2441	92.8	7.9		4310.0

* Values Exceed Upper Control Limit SSM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 8 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM18

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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								
04 JAN 2000	18.1	*	1706	143.7	*	7.8	-1	4310.8
11 JAN 2000	18.9	*	1718	148.6	*	7.9	-1	4310.9
18 JAN 2000	18.2	*	1709	144.3	*	7.9	-1	4310.8
25 JAN 2000	18.8	*	1723	147.4	*	7.8	-1	4310.9
01 FEB 2000	19.7	*	1730	156.2	*	7.8	-1	4311.0
08 FEB 2000	19.8	*	1733	154.5	*	8.0	-1	4311.1
14 FEB 2000	18.8	*	1734	152.5	*	7.9	-1	4311.2
22 FEB 2000	18.5	*	1722	148.0	*	8.0	-1	4311.0
28 FEB 2000	19.4	*	1720	157.5	*	8.0	-1	4311.0
07 MAR 2000	18.9	*	1735	147.5	*	7.9	-1	4311.0
13 MAR 2000	18.6	*	1746	150.7	*	8.0	-1	4310.9
20 MAR 2000	18.7	*	1722	146.8	*	8.0	-1	4310.9
29 MAR 2000	18.5	*	1701	150.1	*	7.8	-1	4310.6
04 APR 2000	18.8	*	1749	152.2	*	8.0	-1	4310.4
11 APR 2000	19.2	*	1751	153.7	*	7.9	-1	4310.4
18 APR 2000	19.0	*	1741	154.6	*	7.7	-1	4310.5
25 APR 2000	19.1	*	1743	154.3	*	7.7	-1	4310.5
02 MAY 2000	18.8	*	1734	144.8	*	7.8	-1	4310.6
08 MAY 2000	19.4	*	1737	148.2	*	7.7	-1	4310.4
16 MAY 2000	18.6	*	1738	149.7	*	7.7	-1	4310.4
23 MAY 2000	19.3	*	1772	148.1	*	7.8	-1	4310.4
31 MAY 2000	18.1	*	1743	150.6	*	7.7	-1	4310.3
05 JUN 2000	20.1	*	1757	156.6	*	7.8	-1	4310.0
12 JUN 2000	19.1	*	1754	154.6	*	7.8	-1	4310.0
19 JUN 2000	19.1	*	1757	154.2	*	7.7	-1	4309.8
26 JUN 2000	18.7	*	1772	152.4	*	7.7	-1	4309.7

* Values Exceed Upper Control Limit

SSM18

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 8 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM19 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	8.7	1482	85.0	8.1		4310.9
09 FEB 2000	8.5	1475	84.8	8.1		4311.2
14 MAR 2000	8.9	1498	87.8	8.1		4311.0
11 APR 2000	9.0	1497	87.7	8.2		4311.1
09 MAY 2000	8.8	1492	87.5	8.2		4310.7
13 JUN 2000	8.7	1492	86.2	8.2		4310.0

* Values Exceed Upper Control Limit SSM19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM34 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	9.3	1223	93.5	8.1		4310.3
09 FEB 2000	8.7	1217	89.7	8.1		4310.5
14 MAR 2000	8.7	1233	91.1	8.1		4310.4
11 APR 2000	8.8	1228	91.6	8.2		4309.9
09 MAY 2000	8.7	1227	90.0	8.1		4310.2
13 JUN 2000	8.7	1226	91.3	8.0		4309.4

* Values Exceed Upper Control Limit SSM34

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM35 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	8.7	1272	99.2	8.1		4310.9
09 FEB 2000	8.6	1248	99.0	8.1		4311.0
14 MAR 2000	8.9	1281	103.8	8.2		4310.9
11 APR 2000	9.0	1277	102.4	8.3		4310.5
02 MAY 2000	9.0	1264	97.9	8.2		4310.7
13 JUN 2000	8.8	1275	101.7	8.1		4310.0

* Values Exceed Upper Control Limit SSM35

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM36

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	8.2	1270	103.8	8.2		4312.6
09 FEB 2000	8.3	1264	97.4	8.2		4312.8
14 MAR 2000	8.3	1277	99.8	8.2		4312.6
11 APR 2000	8.6	1275	101.1	8.3		4312.2
02 MAY 2000	8.6	1274	97.1	8.1		4312.4
13 JUN 2000	8.4	1277	99.6	8.1		4311.7

* Values Exceed Upper Control Limit

SSM36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 7 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM37

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	10.7	1622	107.8	7.9		4306.7
15 FEB 2000	10.8	1626	109.6	7.9		4307.0
14 MAR 2000	10.7	1646	111.7	7.9		4306.9
11 APR 2000	10.9	1640	112.7	8.0		4306.2
09 MAY 2000	10.9	1645	113.1	7.9		4306.2
13 JUN 2000	11.3	1649	116.7	7.9		4305.6

* Values Exceed Upper Control Limit

SSM37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 7 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM38

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	10.9	2225	97.5	7.9		4308.9
15 FEB 2000	11.1	2208	98.3	7.9		4309.2
14 MAR 2000	10.8	2218	98.6	7.9		4308.9
11 APR 2000	10.8	2221	98.8	8.0		4308.4
09 MAY 2000	10.7	2206	97.5	8.0		4308.5
13 JUN 2000	10.8	2230	98.8	7.9		4307.9

* Values Exceed Upper Control Limit

SSM38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 7 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM39 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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							
11 JAN 2000	12.1	1792	103.2		7.9		4307.4
15 FEB 2000	12.5	1787	106.3	*	7.9		4307.7
14 MAR 2000	11.9	1819	104.6	*	7.9		4307.6
11 APR 2000	12.4	1801	107.1	*	8.0		4306.9
09 MAY 2000	12.0	1804	104.5	*	8.0		4307.0
13 JUN 2000	12.0	1809	110.3	*	7.8		4306.3

* Values Exceed Upper Control Limit

SSM39

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 8 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM40 1st HALF, 2000

Water Quality Parameters	Chloride		Specific 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								
04 JAN 2000	15.1	*	1522	115.7	*	7.9	-1	4312.5
11 JAN 2000	14.1	*	1513	108.4		8.1	-1	4312.6
18 JAN 2000	14.6	*	1512	111.1	*	8.1	-1	4312.5
25 JAN 2000	14.0	*	1505	106.7		8.1	-1	4312.6
01 FEB 2000	14.4	*	1514	110.1	*	8.2	-1	4312.7
08 FEB 2000	14.3	*	1526	105.6		8.3	-1	4312.7
14 FEB 2000	13.9	*	1522	108.7		8.2	-1	4312.8
22 FEB 2000	14.0	*	1512	104.9		8.2	-1	4312.7
28 FEB 2000	13.9	*	1523	108.1		8.3	-1	4312.7
07 MAR 2000	13.9	*	1514	102.4		8.2	-1	4312.7
13 MAR 2000	13.9	*	1533	107.7		8.3	-1	4312.6
20 MAR 2000	14.4	*	1519	107.7		8.4	-1	4312.6
29 MAR 2000	13.7	*	1480	108.1		8.2	-1	4312.3
04 APR 2000	14.0	*	1528	109.8	*	8.2	-1	4312.2
11 APR 2000	14.4	*	1523	105.4		8.3	-1	4312.2
18 APR 2000	13.9	*	1505	111.0	*	8.0	-1	4312.1
25 APR 2000	14.0	*	1512	110.9	*	8.0	-1	4312.2
02 MAY 2000	14.3	*	1519	107.4		8.0	-1	4312.3
08 MAY 2000	14.4	*	1523	107.8		8.0	-1	4312.2
16 MAY 2000	14.1	*	1518	111.2	*	8.0	-1	4312.1
23 MAY 2000	14.3	*	1537	108.0		8.0	-1	4312.1
31 MAY 2000	14.8	*	1551	110.6	*	8.0	-1	4311.9
05 JUN 2000	16.2	*	1592	111.9	*	8.0	-1	4311.7
12 JUN 2000	13.9	*	1526	109.9	*	8.0	-1	4311.6
19 JUN 2000	14.2	*	1553	112.4	*	8.0	-1	4311.5
26 JUN 2000	14.9	*	1543	117.7	*	8.0	-1	4311.4

* Values Exceed Upper Control Limit SSM40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 4 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM41 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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								
04 JAN 2000	32.1	*	2407	126.8		7.8	-1	4307.0
11 JAN 2000	32.6	*	2398	128.7	*	7.9	-1	4307.1
18 JAN 2000	32.8	*	2416	128.7	*	7.8	-1	4307.1
25 JAN 2000	33.0	*	2409	129.0	*	7.8	-1	4307.1
01 FEB 2000	32.0	*	2409	127.2	*	7.8	-1	4307.2
08 FEB 2000	32.9	*	2409	127.6	*	7.9	-1	4307.3
14 FEB 2000	32.4	*	2424	129.9	*	7.8	-1	4307.[illegible]
22 FEB 2000	32.8	*	2414	128.9	*	7.9	-1	4307.3
28 FEB 2000	32.2	*	2410	129.7	*	7.8	-1	4307.3
07 MAR 2000	33.0	*	2424	126.3		8.0	-1	4307.2
13 MAR 2000	32.6	*	2428	131.6	*	7.9	-1	4307.2
20 MAR 2000	33.4	*	2411	128.4	*	7.9	-1	4307.0
29 MAR 2000	33.4	*	2369	133.1	*	7.8	-1	4306.7
04 APR 2000	32.5	*	2433	129.8	*	7.9	-1	4306.6
11 APR 2000	33.8	*	2433	131.3	*	8.1	-1	4306.5
18 APR 2000	33.8	*	2406	136.0	*	7.8	-1	4306.5
25 APR 2000	33.9	*	2417	136.6	*	7.8	-1	4306.7
02 MAY 2000	33.0	*	2425	123.7		7.8	-1	4306.7
08 MAY 2000	34.8	*	2421	130.4	*	7.7	-1	4306.6
16 MAY 2000	34.7	*	2426	134.9	*	7.7	-1	4306.4
23 MAY 2000	33.4	*	2450	128.3	*	7.9	-1	4306.4
31 MAY 2000	34.9	*	2412	133.3	*	7.8	-1	4306.2
05 JUN 2000	34.5	*	2426	129.6	*	7.8	-1	4306.0
12 JUN 2000	33.4	*	2427	132.0	*	7.8	-1	4305.8
19 JUN 2000	34.7	*	2454	137.9	*	7.8	-1	4305.8
26 JUN 2000	33.6	*	2467	132.9	*	7.7	-1	4305.7

* Values Exceed Upper Control Limit SSM41

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM42 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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								
04 JAN 2000	55.2	*	2272	*	130.4	7.8	-1	4302.7
11 JAN 2000	56.3	*	2268	*	132.1	7.8	-1	4302.8
18 JAN 2000	57.6	*	2274	*	137.6	7.8	-1	4302.7
25 JAN 2000	56.8	*	2278	*	132.7	7.8	-1	4302.7
01 FEB 2000	55.9	*	2272	*	133.1	7.8	-1	4302.7
08 FEB 2000	56.7	*	2255	*	133.2	7.9	-1	4302.8
14 FEB 2000	56.0	*	2264	*	136.6	7.8	-1	4302.9
22 FEB 2000	59.0	*	2253	*	143.8	7.8	-1	4302.8
28 FEB 2000	58.0	*	2252	*	143.4	7.8	-1	4302.8
07 MAR 2000	56.5	*	2260	*	132.9	7.9	-1	4302.7
13 MAR 2000	56.2	*	2273	*	138.6	7.8	-1	4302.7
20 MAR 2000	58.2	*	2246	*	136.1	7.9	-1	4302.7
29 MAR 2000	56.3	*	2237	*	138.2	7.8	-1	4302.6
04 APR 2000	56.5	*	2281	*	137.2	7.8	-1	4302.4
11 APR 2000	59.3	*	2286	*	141.9	7.9	-1	4302.3
18 APR 2000	58.8	*	2260	*	145.5	7.8	-1	4302.2
25 APR 2000	56.3	*	2248	*	135.9	7.9	-1	4302.3
02 MAY 2000	57.9	*	2282	*	132.3	7.8	-1	4302.3
08 MAY 2000	57.3	*	2265	*	132.0	7.8	-1	4302.4
16 MAY 2000	56.8	*	2246	*	137.4	7.8	-1	4302.3
23 MAY 2000	56.7	*	2278	*	133.6	7.9	-1	4302.3
31 MAY 2000	58.1	*	2260	*	138.3	7.8	-1	4302.0
05 JUN 2000	58.3	*	2293	*	135.8	7.9	-1	4301.9
12 JUN 2000	57.7	*	2292	*	138.5	7.8	-1	4301.7
19 JUN 2000	58.3	*	2315	*	139.5	7.8	-1	4301.6
26 JUN 2000	59.0	*	2338	*	142.7	7.7	-1	4301.5

* Values Exceed Upper Control Limit

SSM42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. SSM43 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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								
04 JAN 2000	34.8	*	1696	*	135.9	7.9	-1	4305.8
11 JAN 2000	34.9	*	1694	*	136.2	8.0	-1	4305.8
18 JAN 2000	34.1	*	1704	*	133.0	8.0	-1	4305.8
25 JAN 2000	35.3	*	1709	*	137.0	8.0	-1	4305.9
01 FEB 2000	36.6	*	1704	*	144.0	7.9	-1	4305.9
08 FEB 2000	35.0	*	1702	*	135.1	8.1	-1	4306.0
14 FEB 2000	34.3	*	1709	*	136.9	7.9	-1	4306.0
22 FEB 2000	34.7	*	1709	*	135.6	8.0	-1	4306.0
28 FEB 2000	36.3	*	1706	*	144.3	7.9	-1	4306.0
07 MAR 2000	35.5	*	1716	*	135.7	8.1	-1	4306.0
13 MAR 2000	34.8	*	1725	*	138.3	8.0	-1	4305.9
20 MAR 2000	35.7	*	1709	*	136.6	8.1	-1	4305.8
29 MAR 2000	34.8	*	1676	*	139.0	8.0	-1	4305.6
04 APR 2000	34.8	*	1717	*	138.4	8.0	-1	4305.5
11 APR 2000	35.5	*	1717	*	138.7	8.2	-1	4305.3
18 APR 2000	35.0	*	1696	*	143.2	8.1	-1	4305.3
25 APR 2000	34.2	*	1691	*	137.1	8.0	-1	4305.5
02 MAY 2000	35.8	*	1714	*	134.8	7.9	-1	4305.5
08 MAY 2000	35.8	*	1707	*	135.5	8.0	-1	4305.4
16 MAY 2000	34.6	*	1704	*	137.9	8.0	-1	4305.3
23 MAY 2000	35.0	*	1709	*	134.7	8.0	-1	4305.2
31 MAY 2000	35.1	*	1700	*	134.9	7.8	-1	4305.0
05 JUN 2000	37.4	*	1714	*	142.0	8.0	-1	4304.7
12 JUN 2000	35.1	*	1714	*	140.0	8.0	-1	4304.6
19 JUN 2000	34.9	*	1727	*	138.9	8.0	-1	4304.5
26 JUN 2000	32.9	*	1736	*	148.5	7.9	-1	4304.5

* Values Exceed Upper Control Limit SSM43

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY RANCH

INTERIOR DEEP SAND MONITOR WELLS

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	16.2	609	207.4			
Date						
16 FEB 2000	9.2	482	113.6	8.3		4300.7
23 MAY 2000	9.4	490	110.4	8.5		4300.2

* Values Exceed Upper Control Limit

DM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	15.1	757	187.1			
Date						
16 FEB 2000	8.8	607	183.8	8.1		4286.2
23 MAY 2000	8.9	608	180.7	8.2		4282.7

* Values Exceed Upper Control Limit DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM3

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
22 FEB 2000	13.2	573	174.1	8.2		4288.8
24 MAY 2000	14.3	591	186.4	8.5		4284.2

* Values Exceed Upper Control Limit

DM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 4 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM4 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
15 FEB 2000	9.3	519	95.0	8.8		4284.1
16 MAY 2000	9.3	520	92.0	9.0		4271.7

* Values Exceed Upper Control Limit DM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM5 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
22 FEB 2000	8.6	620	200.4	8.1		4278.1
23 MAY 2000	8.5	626	190.7	8.2		4275.9

* Values Exceed Upper Control Limit DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM9 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
16 FEB 2000	9.4	528	96.3	8.8		4283.7
16 MAY 2000	9.4	531	97.5	8.8		4269.8

* Values Exceed Upper Control Limit DM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM10 1st HALF, 2000

Water Quality Parameters	Chloride		Specific 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									
04 JAN 2000	20.0	*	771	*	180.2	*	8.1	-1	4281.3
11 JAN 2000	19.9	*	768	*	178.6	*	8.3	-1	4282.1
18 JAN 2000	20.0	*	778	*	179.4	*	8.2	-1	4283.6
25 JAN 2000	20.9	*	784	*	181.1	*	8.2	-1	4284.7
01 FEB 2000	20.6	*	785	*	186.2	*	8.1	-1	4286.1
08 FEB 2000	20.9	*	778	*	183.3	*	8.3	-1	4286.2
14 FEB 2000	20.5	*	785	*	188.2	*	8.3	-1	4285.5
22 FEB 2000	20.1	*	769	*	182.6	*	8.3	-1	4279.2
28 FEB 2000	20.8	*	772	*	194.2	*	8.3	-1	4277.7
07 MAR 2000	20.5	*	772	*	179.0	*	8.4	-1	4276.6
13 MAR 2000	20.1	*	778	*	184.0	*	8.3	-1	4273.1
20 MAR 2000	19.9	*	751	*	174.3	*	8.4	-1	4263.3
29 MAR 2000	18.0	*	715	*	170.9	*	8.3	-1	4259.5
04 APR 2000	19.8	*	776	*	181.7	*	8.3	-1	4263.9
11 APR 2000	20.4	*	768	*	179.5	*	8.4	-1	4264.9
18 APR 2000	21.4	*	776	*	184.7	*	8.1	-1	4273.3
25 APR 2000	20.8	*	781	*	194.4	*	8.2	-1	4275.1
02 MAY 2000	21.4	*	788	*	182.7	*	8.2	-1	4272.1
08 MAY 2000	20.7	*	763	*	177.6	*	8.2	-1	4265.2
16 MAY 2000	22.4	*	782	*	203.4	*	8.1	-1	4272.6
23 MAY 2000	20.7	*	779	*	178.8	*	8.2	-1	4270.8
31 MAY 2000	19.4	*	742	*	170.0	*	8.2	-1	4264.9
05 JUN 2000	21.2	*	766	*	184.4	*	8.2	-1	4265.9
12 JUN 2000	20.0	*	749	*	179.4	*	8.1	-1	4264.5
19 JUN 2000	19.3	*	751	*	172.6	*	8.3	-1	4263.0
26 JUN 2000	19.7	*	756	*	173.0	*	8.2	-1	4261.3

* Values Exceed Upper Control Limit

DM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 7 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM11

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	10.2	554	91.0	8.6		4282.7
15 FEB 2000	10.0	551	91.4	8.6		4284.3
14 MAR 2000	10.3	555	94.9	8.6		4277.1
11 APR 2000	10.3	554	95.9	8.7		4270.8
09 MAY 2000	10.2	555	94.3	8.7		4272.8
13 JUN 2000	10.4	555	96.3	8.6		4268.6

* Values Exceed Upper Control Limit

DM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 8 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM13 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	9.8	550	91.6	8.6		4291.5
14 FEB 2000	9.7	553	94.0	8.6		4293.2
14 MAR 2000	9.9	554	95.0	8.6		4290.5
11 APR 2000	9.9	552	95.3	8.7		4286.6
09 MAY 2000	9.8	551	94.7	8.7		4287.1
13 JUN 2000	9.7	553	93.6	8.6		4285.7

* Values Exceed Upper Control Limit DM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 8 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM14 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	10.2	562	90.7	8.7		4289.4
09 FEB 2000	9.9	559	91.5	8.8		4291.1
14 MAR 2000	10.2	564	96.0	8.7		4288.9
11 APR 2000	10.3	565	95.2	8.8		4285.0
09 MAY 2000	10.1	561	93.9	8.7		4285.9
13 JUN 2000	10.1	565	93.3	8.6		4284.6

* Values Exceed Upper Control Limit DM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM15

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	10.3	563	91.4	8.8		4293.6
09 FEB 2000	10.5	560	96.4	8.8		4295.6
14 MAR 2000	10.3	568	94.2	8.7		4293.6
11 APR 2000	10.1	567	93.6	8.8		4290.4
09 MAY 2000	10.2	566	94.3	8.8		4291.2
13 JUN 2000	10.1	566	92.8	8.7		4289.1

* Values Exceed Upper Control Limit

DM15

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 9 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM16 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
11 JAN 2000	10.3	568	90.0	8.9		4295.1
09 FEB 2000	10.5	563	98.0	8.8		4298.3
14 MAR 2000	10.5	573	93.0	8.9		4296.2
11 APR 2000	10.3	572	92.6	9.0		4292.3
02 MAY 2000	10.7	568	89.6	8.8		4293.5
13 JUN 2000	10.5	569	94.9	8.7		4291.5

* Values Exceed Upper Control Limit DM16

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM17 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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							
16 FEB 2000	8.9	536	116.1	*	8.6		4281.2
16 MAY 2000	8.9	548	115.6	*	8.8		4268.8

* Values Exceed Upper Control Limit DM17

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 4 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM18

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.5	598	105.6			
Date						
16 FEB 2000	10.2	528	99.2	8.6		4281.8
16 MAY 2000	9.9	531	98.7	8.7		4272.0

* Values Exceed Upper Control Limit

DM18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM19 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
22 FEB 2000	10.4	526	127.9	8.2		4248.1
23 MAY 2000	10.4	526	119.6	8.4		4248.1

* Values Exceed Upper Control Limit DM19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM20 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
22 FEB 2000	9.1	517	97.1	8.6		4284.0
24 MAY 2000	9.5	522	96.6	8.7		4275.2

* Values Exceed Upper Control Limit DM20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 7 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM21 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	10.2	557	90.8	8.6		4288.9
15 FEB 2000	10.3	554	92.5	8.7		4291.1
14 MAR 2000	10.5	560	97.1	8.6		4286.0
11 APR 2000	10.2	560	93.1	8.7		4280.5
09 MAY 2000	10.2	559	94.7	8.7		4280.2
13 JUN 2000	10.1	560	94.1	8.6		4279.8

* Values Exceed Upper Control Limit DM21

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. DM22

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.8	542	92.6	8.5		4281.4
15 FEB 2000	9.6	537	92.7	8.6		4285.0
14 MAR 2000	9.9	547	95.5	8.6		4274.1
11 APR 2000	9.8	540	96.6	8.8		4264.8
16 MAY 2000	9.9	548	93.7	8.6		4272.1
13 JUN 2000	9.9	547	94.0	8.6		4267.0

* Values Exceed Upper Control Limit

DM22

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY RANCH

INTERIOR COAL ZONE TREND WELLS

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3 INTERIOR COAL ZONE TREND WELL

Well I.D. RS19

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Restoration Target	56					

Date				
22 FEB 2000	18.6		8.5	4283.7
24 MAY 2000	19.3		8.7	4275.7

* Values Exceed Restoration Target

RS19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 INTERIOR COAL ZONE TREND WELL

Well I.D. RS34

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Restoration Target	56					
Date						
22 FEB 2000	50.6			8.3		4280.1
24 MAY 2000	40.5			8.6		4269.6

* Values Exceed Restoration Target

RS34

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 3 INTERIOR COAL ZONE TREND WELL

Well I.D. RS39

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Restoration Target	56					

Date				
22 FEB 2000	32.8		8.0	4280.6
24 MAY 2000	33.1		7.9	4269.1

* Values Exceed Restoration Target

RS39

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 INTERIOR COAL ZONE TREND WELL

Well I.D. SM1 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Restoration Target	56					
Date						
16 FEB 2000	28.1			8.4		4285.6
23 MAY 2000	27.8			8.5		4277.7

* Values Exceed Restoration Target SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 1 INTERIOR COAL ZONE TREND WELL

Well I.D. SM2

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Restoration Target	56					
Date						
16 FEB 2000	22.3			8.0		4283.4
23 MAY 2000	21.5			8.4		4274.6

* Values Exceed Restoration Target

SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

IRIGARAY RANCH

Mine Unit 2 INTERIOR COAL ZONE TREND WELL

Well I.D. SM7

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Restoration Target	56					

Date					
22 FEB 2000	79.0	*		8.2	4279.7
23 MAY 2000	76.4	*		8.7	4270.6

* Values Exceed Restoration Target

SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH

PERIMETER ORE ZONE MONITOR WELLS

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW17-2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.8	673	89.4	8.7		4491.8
15 FEB 2000	9.9	664	89.9	8.6		4487.5
21 MAR 2000	9.9	656	91.8	8.7		4498.1
25 APR 2000	10.0	670	93.2	8.7		4483.4
10 MAY 2000	9.5	669	89.7	8.7		4488.1
12 JUN 2000	9.7	669	93.4	8.7		4484.4

* Values Exceed Upper Control Limit MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW18

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.5	673	91.9	8.5		4489.5
15 FEB 2000	10.0	667	95.4	8.5		4481.6
21 MAR 2000	9.6	654	93.8	8.6		4493.5
25 APR 2000	9.6	661	91.5	8.4		4488.1
10 MAY 2000	9.7	663	90.0	8.6		4490.7
13 JUN 2000	9.7	663	90.0	8.6		4487.3

* Values Exceed Upper Control Limit

MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW19

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.9	674	94.7	8.4		4475.0
15 FEB 2000	9.8	667	94.6	8.3		4466.1
21 MAR 2000	9.5	654	93.6	8.5		4467.5
25 APR 2000	9.6	659	91.0	8.3		4473.1
10 MAY 2000	10.0	666	90.2	8.4		4481.9
13 JUN 2000	9.7	663	89.6	8.5		4478.4

* Values Exceed Upper Control Limit

MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW20

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.5	678	94.2	8.5		4498.7
15 FEB 2000	9.5	670	96.6	8.5		4487.9
21 MAR 2000	9.5	659	100.2	8.5		4498.6
25 APR 2000	9.5	670	95.1	8.5		4505.6
10 MAY 2000	9.4	677	94.3	8.5		4503.5
13 JUN 2000	9.7	668	94.9	8.5		4503.4

* Values Exceed Upper Control Limit

MW20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW23 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.6	674	92.2	8.4		4498.4
15 FEB 2000	9.7	669	93.3	8.4		4479.0
21 MAR 2000	9.6	659	95.4	8.5		4485.5
25 APR 2000	10.0	665	94.8	8.6		4495.9
10 MAY 2000	9.7	670	90.7	8.5		4496.8
12 JUN 2000	9.6	671	92.0	8.5		4491.1

* Values Exceed Upper Control Limit MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW24 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.7	668	88.9	8.6		4481.9
15 FEB 2000	10.1	662	93.1	8.5		4501.9
21 MAR 2000	10.0	657	95.4	8.6		4486.3
25 APR 2000	10.4	665	93.5	8.6		4497.1
10 MAY 2000	10.1	664	91.2	8.6		4502.7
12 JUN 2000	9.7	665	89.2	8.7		4492.8

* Values Exceed Upper Control Limit MW24

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW25

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.7	667	90.5	8.5		4485.3
15 FEB 2000	9.8	662	90.4	8.5		4471.1
21 MAR 2000	9.6	650	92.4	8.6		4473.7
25 APR 2000	9.8	660	90.4	8.6		4495.8
10 MAY 2000	9.9	664	89.9	8.6		4494.3
13 JUN 2000	9.7	661	90.0	8.6		4494.3

* Values Exceed Upper Control Limit

MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW26

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	10.1	661	92.8	8.5		4474.9
15 FEB 2000	10.1	660	92.6	8.5		4470.8
21 MAR 2000	9.7	648	91.9	8.6		4474.9
25 APR 2000	9.7	667	90.0	8.6		4496.2
10 MAY 2000	10.0	663	88.6	8.6		4491.9
13 JUN 2000	10.1	660	88.6	8.6		4490.2

* Values Exceed Upper Control Limit

MW26

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW27

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.9	665	89.4	8.5		4465.5
15 FEB 2000	10.4	659	91.2	8.5		4474.8
21 MAR 2000	10.9	650	96.8	8.6		4477.5
25 APR 2000	10.5	657	87.9	8.5		4489.2
10 MAY 2000	11.1	663	89.6	8.5		4496.4
13 JUN 2000	11.1	661	88.5	8.6		4490.3

* Values Exceed Upper Control Limit

MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW28 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	10.0	668	97.2	8.0		4493.7
14 FEB 2000	9.9	660	95.9	8.2		4500.9
20 MAR 2000	9.9	659	94.0	8.3		4500.9
25 APR 2000	10.3	668	92.8	8.4		4504.0
10 MAY 2000	10.4	666	92.1	8.5		4514.0
12 JUN 2000	10.5	673	92.1	8.6		4505.4

* Values Exceed Upper Control Limit MW28

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW29 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.5	668	93.7	8.5		4504.7
14 FEB 2000	9.3	670	94.3	8.5		4509.7
20 MAR 2000	9.8	663	100.8	8.6		4515.1
25 APR 2000	9.7	673	92.1	8.5		4505.0
10 MAY 2000	10.0	668	93.7	8.5		4518.9
12 JUN 2000	10.7	670	96.8	8.6		4509.0

* Values Exceed Upper Control Limit MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW30

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.7	676	99.6	8.5		4518.8
14 FEB 2000	9.4	672	97.7	8.5		4516.9
20 MAR 2000	9.4	671	99.5	8.6		4523.7
25 APR 2000	9.7	683	97.0	8.5		4510.3
10 MAY 2000	9.6	674	95.3	8.5		4519.3
12 JUN 2000	10.0	682	95.9	8.6		4511.0

* Values Exceed Upper Control Limit

MW30

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW31

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.8	677	103.4	8.5		4517.8
14 FEB 2000	9.5	673	99.4	8.6		4520.9
20 MAR 2000	9.3	673	98.9	8.6		4517.8
25 APR 2000	9.4	687	96.7	8.6		4511.1
10 MAY 2000	9.6	676	96.0	8.6		4522.9
12 JUN 2000	9.9	684	99.7	8.6		4517.8

* Values Exceed Upper Control Limit

MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW32

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.1	678	97.6	8.5		4535.3
14 FEB 2000	9.1	669	98.6	8.5		4532.1
20 MAR 2000	9.4	673	102.1	8.6		4535.2
25 APR 2000	9.5	678	96.7	8.6		4529.6
10 MAY 2000	9.5	675	96.1	8.5		4527.6
12 JUN 2000	9.8	682	100.7	8.6		4527.5

* Values Exceed Upper Control Limit

MW32

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW35

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.2	680	97.8	8.5		4527.9
15 FEB 2000	9.2	673	97.2	8.4		4523.0
21 MAR 2000	9.1	665	98.2	8.5		4526.2
25 APR 2000	9.1	676	95.8	8.5		4523.9
10 MAY 2000	9.8	663	95.6	8.5		4520.4
13 JUN 2000	9.4	672	95.3	8.4		4521.2

* Values Exceed Upper Control Limit

MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW36

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.5	677	98.8	8.4		4526.0
15 FEB 2000	9.3	671	96.9	8.4		4521.4
21 MAR 2000	9.4	667	98.9	8.5		4524.6
25 APR 2000	9.2	675	94.8	8.5		4519.5
10 MAY 2000	9.6	673	95.1	8.5		4518.9
12 JUN 2000	9.6	675	96.5	8.5		4515.8

* Values Exceed Upper Control Limit

MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW37

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.4	678	95.3	8.4		4517.5
15 FEB 2000	9.4	672	103.9	8.4		4512.5
21 MAR 2000	9.6	665	99.6	8.5		4516.6
25 APR 2000	9.5	674	95.9	8.5		4508.1
10 MAY 2000	9.8	672	95.2	8.5		4510.9
12 JUN 2000	9.8	674	99.1	8.5		4507.9

* Values Exceed Upper Control Limit

MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW38 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	10.0	670	99.7	8.6		4521.1
14 FEB 2000	10.1	670	102.5	8.6		4515.3
21 MAR 2000	10.0	661	99.3	8.7		4520.4
25 APR 2000	10.1	656	95.9	8.7		4517.2
11 MAY 2000	10.1	664	96.1	8.7		4516.9
12 JUN 2000	10.4	671	99.7	8.6		4529.0

* Values Exceed Upper Control Limit MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW39 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.8	672	96.8	8.6		4520.7
14 FEB 2000	9.8	671	95.8	8.7		4515.1
21 MAR 2000	10.0	664	99.0	8.7		4520.2
25 APR 2000	10.0	660	96.3	8.7		4517.5
11 MAY 2000	10.4	663	95.9	8.7		4516.2
12 JUN 2000	10.2	669	94.7	8.7		4516.1

* Values Exceed Upper Control Limit MW39

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW40 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.4	680	96.6	8.5		4521.6
14 FEB 2000	9.1	678	96.3	8.6		4521.6
21 MAR 2000	9.5	664	98.2	8.6		4525.8
25 APR 2000	9.5	678	96.0	8.6		4518.3
10 MAY 2000	9.8	675	99.4	8.6		4517.5
13 JUN 2000	9.6	667	94.1	8.6		4517.1

* Values Exceed Upper Control Limit MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW41

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.0	681	98.6	8.5		4542.7
14 FEB 2000	9.0	672	106.8	8.4		4539.5
20 MAR 2000	9.2	677	102.1	8.6		4542.3
25 APR 2000	9.1	681	99.7	8.6		4538.1
10 MAY 2000	9.2	683	98.5	8.6		4540.3
12 JUN 2000	9.7	680	101.9	8.6		4540.1

* Values Exceed Upper Control Limit

MW41

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW42

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.1	669	93.3	8.6		4547.3
14 FEB 2000	9.5	659	98.1	8.6		4544.3
20 MAR 2000	9.4	662	97.1	8.7		4546.8
25 APR 2000	9.7	664	95.4	8.7		4543.3
10 MAY 2000	9.9	672	99.6	8.7		4541.7
12 JUN 2000	9.4	674	96.2	8.7		4541.0

* Values Exceed Upper Control Limit

MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW43 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
18 JAN 2000	9.1	671	101.1	8.5		4551.1
14 FEB 2000	9.5	663	103.0	8.5		4549.0
20 MAR 2000	9.1	665	97.7	8.7		4550.7
25 APR 2000	9.4	661	94.4	8.6		4547.1
10 MAY 2000	9.6	662	95.5	8.6		4547.0
12 JUN 2000	9.6	669	97.8	8.6		4546.4

* Values Exceed Upper Control Limit MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW44

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.3	681	95.3	8.4		4530.6
15 FEB 2000	9.4	675	95.4	8.3		4527.2
21 MAR 2000	9.2	660	96.9	8.4		4529.2
25 APR 2000	9.3	677	95.1	8.5		4525.6
10 MAY 2000	9.9	668	98.8	8.5		4525.8
12 JUN 2000	9.6	676	98.8	8.5		4526.5

* Values Exceed Upper Control Limit

MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW45 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.5	677	95.6	8.4		4525.3
15 FEB 2000	9.7	673	100.7	8.4		4526.6
21 MAR 2000	9.2	674	96.8	8.6		4528.2
25 APR 2000	9.4	676	95.3	8.5		4526.9
10 MAY 2000	9.9	670	95.2	8.5		4524.8
13 JUN 2000	9.8	669	98.5	8.5		4525.5

* Values Exceed Upper Control Limit MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW62 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.1	678	89.5	9.1		4541.0
14 FEB 2000	9.5	678	95.1	9.0		4540.5
20 MAR 2000	9.4	672	93.3	9.1		4542.4
25 APR 2000	9.3	679	90.6	9.2		4537.2
16 MAY 2000	9.3	676	96.4	9.1		4535.3
12 JUN 2000	9.2	674	89.5	8.9		4534.8

* Values Exceed Upper Control Limit MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW63 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.0	674	88.4	9.0		4545.1
14 FEB 2000	9.0	675	90.8	9.1		4543.4
20 MAR 2000	9.2	663	90.4	9.1		4545.2
25 APR 2000	9.2	667	89.3	9.1		4540.8
16 MAY 2000	9.4	672	88.9	9.0		4541.9
12 JUN 2000	9.3	671	90.2	9.1		4541.2

* Values Exceed Upper Control Limit MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW64

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.0	683	99.1	8.5		4551.2
14 FEB 2000	8.8	681	99.5	8.5		4548.9
20 MAR 2000	9.1	678	102.3	8.7		4541.2
25 APR 2000	9.0	675	97.5	8.5		4536.6
16 MAY 2000	9.1	679	98.2	8.5		4547.4
12 JUN 2000	9.0	680	103.2	8.5		4546.7

* Values Exceed Upper Control Limit

MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW73 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.6	666	96.4	8.8		4527.6
07 FEB 2000	9.7	679	99.5	8.7		4521.8
07 MAR 2000	9.6	673	97.9	8.7		4524.7
10 APR 2000	9.4	659	98.4	8.7		4523.6
15 MAY 2000	9.7	677	93.5	8.8		4523.8
26 JUN 2000	9.4	683	95.1	8.8		4517.2

* Values Exceed Upper Control Limit MW73

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW74 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.5	668	97.9	8.8		4527.9
07 FEB 2000	9.1	675	96.0	8.7		4522.8
07 MAR 2000	9.2	675	101.0	8.7		4525.4
10 APR 2000	9.2	661	96.7	8.8		4524.5
15 MAY 2000	9.4	677	93.8	8.8		4524.6
26 JUN 2000	9.6	686	99.4	8.7		4519.6

* Values Exceed Upper Control Limit MW74

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW75 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.5	675	95.7	8.7		4528.0
07 FEB 2000	9.4	680	96.9	8.6		4523.1
07 MAR 2000	9.6	678	100.2	8.6		4525.7
10 APR 2000	9.7	665	101.0	8.6		4525.0
15 MAY 2000	9.7	679	101.3	8.7		4525.3
26 JUN 2000	10.1	685	103.0	8.7		4521.0

* Values Exceed Upper Control Limit MW75

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW76 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	8.8	708	93.4	8.6		4534.1
07 FEB 2000	9.2	712	99.4	8.6		4529.7
07 MAR 2000	9.2	708	100.5	8.6		4531.2
10 APR 2000	8.7	699	96.3	8.6		4530.8
15 MAY 2000	9.0	712	92.9	8.7		4530.5
26 JUN 2000	8.8	715	93.8	8.6		4527.4

* Values Exceed Upper Control Limit MW76

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW77

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	8.9	726	95.3	8.4		4534.3
07 FEB 2000	8.5	732	92.0	8.4		4531.1
07 MAR 2000	8.9	728	96.6	8.4		4532.5
10 APR 2000	8.4	722	94.4	8.4		4532.1
15 MAY 2000	8.9	731	93.8	8.5		4531.7
26 JUN 2000	9.1	739	96.5	8.5		4529.0

* Values Exceed Upper Control Limit

MW77

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW78

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.1	708	98.0	8.5		4529.0
07 FEB 2000	8.7	713	92.9	8.5		4525.1
08 MAR 2000	8.7	703	94.9	8.7		4526.7
10 APR 2000	8.7	705	94.7	8.6		4526.6
15 MAY 2000	9.0	716	92.6	8.6		4526.6
26 JUN 2000	8.9	723	92.7	8.6		4524.6

* Values Exceed Upper Control Limit

MW78

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW79

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	8.4	724	91.9	8.4		4529.0
07 FEB 2000	8.5	731	93.1	8.4		4524.8
08 MAR 2000	8.4	720	94.0	8.6		4525.3
10 APR 2000	8.5	718	94.3	8.5		4526.7
15 MAY 2000	8.9	734	93.9	8.5		4527.0
26 JUN 2000	8.9	741	96.2	8.5		4525.2

* Values Exceed Upper Control Limit

MW79

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW80

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.0	693	93.3	8.5		4529.4
07 FEB 2000	9.1	695	93.7	8.4		4526.3
08 MAR 2000	9.4	685	94.7	8.5		4526.9
10 APR 2000	9.2	683	95.6	8.5		4527.2
15 MAY 2000	9.3	697	92.9	8.5		4527.3
26 JUN 2000	9.3	702	95.5	8.6		4526.2

* Values Exceed Upper Control Limit

MW80

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW81 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.2	675	91.6	8.5		4532.3
07 FEB 2000	9.3	679	92.6	8.5		4528.6
08 MAR 2000	9.5	671	95.0	8.6		4528.9
10 APR 2000	9.3	667	94.9	8.6		4529.1
15 MAY 2000	9.4	682	91.5	8.6		4528.9
26 JUN 2000	9.3	687	92.8	8.6		4528.0

*: Values Exceed Upper Control Limit MW81

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW82 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.8	664	90.9	8.5		4524.6
07 FEB 2000	10.1	667	97.7	8.5		4521.1
07 MAR 2000	10.4	667	97.9	8.4		4521.3
10 APR 2000	9.7	659	93.4	8.4		4522.2
15 MAY 2000	10.0	672	91.2	8.6		4522.3
26 JUN 2000	9.7	677	91.6	8.5		4521.8

* Values Exceed Upper Control Limit MW82

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW83

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.7	677	97.6	8.5		4524.0
07 FEB 2000	9.5	676	95.4	8.6		4519.6
07 MAR 2000	9.8	676	99.1	8.5		4520.4
10 APR 2000	9.4	671	95.8	8.4		4516.0
15 MAY 2000	9.9	683	95.2	8.6		4521.8
26 JUN 2000	9.6	689	93.7	8.5		4521.0

* Values Exceed Upper Control Limit

MW83

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW84

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.4	670	94.8	8.6		4523.2
07 FEB 2000	9.4	672	94.2	8.5		4518.3
07 MAR 2000	10.1	674	102.2	8.5		4519.0
10 APR 2000	9.5	667	96.2	8.4		4518.8
15 MAY 2000	9.9	682	96.2	8.5		4520.4
26 JUN 2000	9.6	687	95.1	8.5		4519.7

* Values Exceed Upper Control Limit

MW84

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW85 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.8	664	93.6	8.6		4520.9
07 FEB 2000	9.9	665	100.2	8.5		4513.9
07 MAR 2000	10.0	665	97.4	8.4		4516.7
10 APR 2000	9.8	659	96.5	8.4		4516.8
15 MAY 2000	10.0	673	94.3	8.5		4517.6
26 JUN 2000	9.9	678	93.9	8.5		4516.6

* Values Exceed Upper Control Limit MW85

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW86 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	10.2	667	95.9	8.5		4515.0
07 FEB 2000	9.8	667	94.3	8.5		4508.9
07 MAR 2000	10.0	668	97.2	8.4		4512.1
10 APR 2000	9.7	659	96.5	8.4		4513.3
15 MAY 2000	10.4	674	97.2	8.5		4513.7
26 JUN 2000	9.9	679	94.3	8.4		4512.8

* Values Exceed Upper Control Limit MW86

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW87 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.7	666	94.4	8.5		4515.7
07 FEB 2000	9.7	670	94.7	8.4		4502.2
07 MAR 2000	10.0	668	99.1	8.4		4508.4
10 APR 2000	10.1	667	96.2	8.4		4509.2
15 MAY 2000	10.5	674	97.1	8.5		4510.9
26 JUN 2000	9.7	680	94.4	8.4		4507.0

* Values Exceed Upper Control Limit MW87

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW88 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.6	667	94.3	8.5		4513.7
07 FEB 2000	9.7	673	94.9	8.4		4500.8
07 MAR 2000	9.7	670	96.8	8.4		4507.1
10 APR 2000	10.1	665	97.0	8.4		4507.8
15 MAY 2000	9.9	674	96.1	8.5		4509.3
26 JUN 2000	9.6	680	93.6	8.4		4504.7

* Values Exceed Upper Control Limit MW88

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW89 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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								
03 JAN 2000	16.2	*	743	119.6		8.3	-1	4506.8
10 JAN 2000	15.5	*	740	117.2		8.3	-1	4510.1
17 JAN 2000	16.7	*	756	122.6	*	8.3	-1	4506.8
24 JAN 2000	16.9	*	756	131.3	*	8.2	-1	4500.4
31 JAN 2000	16.8	*	757	121.6	*	8.4	-1	4500.4
07 FEB 2000	16.7	*	759	123.7	*	8.2	-1	4498.7
14 FEB 2000	17.0	*	753	124.9	*	8.1	-1	4498.9
22 FEB 2000	18.3	*	761	130.5	*	8.3	-1	4497.7
28 FEB 2000	16.6	*	753	127.1	*	8.2	-1	4497.3
06 MAR 2000	18.1	*	760	135.0	*	8.3	-1	4505.3
13 MAR 2000	16.5	*	745	126.4	*	8.4	-1	4506.1
20 MAR 2000	16.7	*	753	125.9	*	8.3	-1	4506.9
27 MAR 2000	16.1	*	747	123.2	*	8.4	-1	4502.2
03 APR 2000	16.4	*	755	124.5	*	8.2	-1	4502.6
10 APR 2000	15.4	*	743	120.8		8.3	-1	4515.6
17 APR 2000	15.8	*	729	124.8	*	8.3	-1	4514.8
24 APR 2000	15.2	*	737	116.6		8.4	-1	4507.1
01 MAY 2000	15.9	*	744	118.8		8.4	-1	4500.0
08 MAY 2000	15.8	*	727	117.0		8.4	-1	4506.3
15 MAY 2000	15.7	*	741	115.4		8.3	-1	4507.5
22 MAY 2000	16.3	*	743	122.3	*	8.4	-1	4506.9
30 MAY 2000	15.2	*	735	115.0		8.4	-1	4506.2
05 JUN 2000	14.8	*	722	113.9		8.5	-1	4507.1
12 JUN 2000	15.2	*	733	116.6		8.4	-1	4506.5
19 JUN 2000	15.0	*	734	115.7		8.4	-1	4505.8
26 JUN 2000	15.0	*	745	115.8		8.3	-1	4500.5

* Values Exceed Upper Control Limit

MW89

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW90

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.5	677	94.8	8.6		4533.4
07 FEB 2000	9.3	681	93.5	8.5		4530.2
08 MAR 2000	9.2	679	93.7	8.6		4530.4
10 APR 2000	9.1	670	93.9	8.5		4530.3
15 MAY 2000	9.3	687	91.1	8.5		4530.2
26 JUN 2000	9.2	694	91.2	8.5		4529.1

* Values Exceed Upper Control Limit

MW90

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW101

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.4	671	90.8	8.5		4533.7
07 FEB 2000	9.5	673	91.1	8.4		4532.9
07 MAR 2000	9.7	677	97.4	8.6		4533.5
10 APR 2000	9.7	674	93.1	8.5		4531.9
15 MAY 2000	9.7	679	91.4	8.6		4531.6
26 JUN 2000	9.6	685	91.8	8.6		4530.5

* Values Exceed Upper Control Limit

MW101

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW102

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.6	665	90.2	8.5		4532.1
07 FEB 2000	9.5	666	90.9	8.4		4531.1
07 MAR 2000	9.7	666	92.7	8.6		4531.3
10 APR 2000	9.6	662	90.4	8.4		4531.0
15 MAY 2000	9.9	673	90.9	8.6		4530.4
26 JUN 2000	9.6	680	90.9	8.6		4529.5

* Values Exceed Upper Control Limit

MW102

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW103

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.4	668	90.3	8.7		4535.7
07 FEB 2000	9.4	667	89.4	8.5		4535.1
07 MAR 2000	9.7	674	95.4	8.6		4535.2
10 APR 2000	9.7	669	90.6	8.6		4535.0
15 MAY 2000	9.4	675	87.7	8.7		4532.1
26 JUN 2000	9.6	681	89.6	8.7		4530.9

* Values Exceed Upper Control Limit

MW103

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW104 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.0	687	89.7	8.5		4530.2
07 FEB 2000	9.1	696	90.8	8.4		4529.4
07 MAR 2000	9.2	691	93.0	8.6		4529.0
10 APR 2000	9.4	689	90.7	8.4		4528.2
15 MAY 2000	9.0	696	87.8	8.6		4528.8
26 JUN 2000	9.2	703	89.9	8.6		4528.2

* Values Exceed Upper Control Limit

MW104

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW105 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.5	674	91.2	8.4		4527.6
07 FEB 2000	9.4	675	90.6	8.4		4527.0
07 MAR 2000	9.7	672	91.9	8.4		4526.9
10 APR 2000	9.8	674	92.2	8.4		4526.0
16 MAY 2000	9.7	681	90.4	8.4		4526.4
26 JUN 2000	9.6	689	90.4	8.5		4525.7

* Values Exceed Upper Control Limit MW105

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW106

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.4	674	89.4	8.5		4526.3
07 FEB 2000	9.5	679	89.9	8.4		4525.2
07 MAR 2000	9.9	672	92.2	8.5		4525.2
10 APR 2000	10.1	672	91.8	8.4		4524.6
16 MAY 2000	9.9	680	90.0	8.5		4525.2
26 JUN 2000	9.6	687	89.8	8.6		4524.7

* Values Exceed Upper Control Limit

MW106

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW107

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.7	658	88.6	8.4		4527.0
07 FEB 2000	9.8	662	89.4	8.4		4526.3
07 MAR 2000	10.2	660	93.5	8.4		4526.2
10 APR 2000	10.6	657	95.1	8.4		4524.9
16 MAY 2000	10.7	663	93.6	8.4		4525.6
26 JUN 2000	10.1	672	89.9	8.6		4525.2

*Values Exceed Upper Control Limit

MW107

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW108

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	10.1	657	90.1	8.6		4525.5
07 FEB 2000	10.1	664	94.3	8.5		4524.3
07 MAR 2000	10.0	663	91.0	8.7		4523.5
10 APR 2000	10.5	654	90.9	8.4		4524.0
15 MAY 2000	10.7	670	93.6	8.7		4524.1
26 JUN 2000	10.4	676	92.7	8.7		4523.7

* Values Exceed Upper Control Limit

MW108

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW109 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	10.0	656	87.0	8.4		4523.9
07 FEB 2000	10.3	661	91.0	8.3		4522.8
07 MAR 2000	10.1	663	91.4	8.6		4522.4
10 APR 2000	10.5	657	92.1	8.4		4523.1
15 MAY 2000	10.2	665	86.8	8.6		4523.2
26 JUN 2000	10.5	673	91.7	8.6		4522.8

* Values Exceed Upper Control Limit

MW109

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW110

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.8	661	88.6	8.3		4525.1
07 FEB 2000	9.7	667	89.4	8.4		4523.7
07 MAR 2000	10.0	666	94.7	8.6		4523.0
10 APR 2000	9.8	661	91.0	8.5		4523.7
15 MAY 2000	9.9	670	89.5	8.6		4524.0
26 JUN 2000	9.7	676	88.6	8.6		4523.3

* Values Exceed Upper Control Limit

MW110

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW111

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
10 JAN 2000	9.7	663	91.0	8.5		4524.4
07 FEB 2000	9.9	668	92.7	8.4		4522.7
07 MAR 2000	9.7	668	93.0	8.6		4521.4
10 APR 2000	9.9	664	98.7	8.4		4530.3
15 MAY 2000	9.9	670	90.5	8.6		4522.6
26 JUN 2000	10.1	677	92.6	8.5		4522.2

* Values Exceed Upper Control Limit

MW111

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW114

1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.7	675	93.9	8.8		4497.7
15 FEB 2000	9.7	671	94.8	8.6		4484.6
21 MAR 2000	9.5	668	95.9	8.7		4494.8
25 APR 2000	9.8	673	92.0	8.6		4501.6
10 MAY 2000	10.1	669	97.4	8.7		4502.5
13 JUN 2000	9.8	670	91.8	8.7		4498.8

* Values Exceed Upper Control Limit

MW114

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW115 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.4	679	95.2	8.4		4509.4
15 FEB 2000	9.5	674	96.8	8.4		4494.3
21 MAR 2000	9.4	669	97.9	8.5		4506.6
25 APR 2000	9.7	681	95.1	8.4		4512.7
10 MAY 2000	9.6	676	94.3	8.5		4511.2
13 JUN 2000	9.6	670	95.4	8.5		4507.6

* Values Exceed Upper Control Limit MW115

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 PERIMETER ORE ZONE MONITOR WELL

Well I.D. MW116 1st HALF, 2000

Water Quality Parameters	Chloride	Specific 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						
19 JAN 2000	9.6	679	95.4	8.6		4503.2
15 FEB 2000	10.0	669	101.1	8.6		4485.1
21 MAR 2000	9.4	670	98.2	8.6		4500.5
25 APR 2000	9.6	674	94.8	8.5		4506.7
10 MAY 2000	9.6	673	93.2	8.6		4501.1
13 JUN 2000	9.6	667	94.5	8.6		4497.9

* Values Exceed Upper Control Limit MW116

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.1	673	93.4	8.6		4550.4
17 FEB 2000	9.4	673	99.9	8.6		4547.0
22 MAR 2000	9.0	673	95.4	8.6		4548.6
12 APR 2000	9.4	672	99.3	8.7		4548.3
16 MAY 2000	9.1	674	92.3	8.6		4546.5
14 JUN 2000	9.1	675	91.1	8.6		4545.6

* Values Exceed Upper Control Limit

4MW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-2

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.1	670	97.0	8.5		4555.0
17 FEB 2000	8.9	666	97.4	8.5		4552.4
22 MAR 2000	9.2	673	99.6	8.6		4553.9
12 APR 2000	9.5	670	102.8	8.6		4553.7
16 MAY 2000	9.3	673	95.5	8.6		4551.6
14 JUN 2000	9.1	674	95.2	8.6		4550.3

* Values Exceed Upper Control Limit

4MW-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-3

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.5	667	90.6	8.6		4550.8
17 FEB 2000	9.7	667	96.7	8.6		4548.0
22 MAR 2000	9.5	670	92.8	8.7		4549.4
12 APR 2000	9.5	668	91.9	8.7		4549.2
16 MAY 2000	10.0	671	90.5	8.7		4547.5
14 JUN 2000	10.4	672	92.7	8.7		4545.8

* Values Exceed Upper Control Limit

4MW-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-4 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	8.9	679	105.7	8.4		4559.6
17 FEB 2000	8.9	670	107.0	8.4		4557.7
22 MAR 2000	9.1	682	102.6	8.5		4558.9
12 APR 2000	9.3	677	106.4	8.5		4558.9
16 MAY 2000	9.0	682	98.9	8.5		4556.9
14 JUN 2000	8.9	684	99.2	8.5		4555.7

* Values Exceed Upper Control Limit

4MW-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-5

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.5	672	97.5	8.5		4553.8
17 FEB 2000	9.2	672	95.4	8.5		4551.1
22 MAR 2000	9.6	676	98.2	8.6		4552.1
12 APR 2000	9.2	673	96.5	8.6		4552.3
16 MAY 2000	9.3	676	92.7	8.6		4550.9
14 JUN 2000	9.3	676	93.6	8.6		4550.0

* Values Exceed Upper Control Limit

4MW-5

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-6 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.1	674	102.0	8.6		4563.7
17 FEB 2000	8.9	664	98.2	8.6		4563.0
22 MAR 2000	9.2	677	100.9	8.6		4563.9
12 APR 2000	9.1	672	101.6	8.7		4563.9
16 MAY 2000	9.0	677	95.5	8.6		4561.9
14 JUN 2000	8.8	680	95.8	8.6		4560.3

* Values Exceed Upper Control Limit

4MW-6

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-7 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.0	668	92.3	8.7		4556.5
17 FEB 2000	8.9	659	89.1	8.9		4554.6
22 MAR 2000	9.1	670	93.7	8.7		4555.4
12 APR 2000	8.9	668	94.0	8.7		4555.6
16 MAY 2000	9.0	663	86.0	8.9		4554.4
14 JUN 2000	9.2	674	93.0	8.9		4553.5

* Values Exceed Upper Control Limit 4MW-7

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-8

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	8.9	680	103.5	8.5		4563.7
17 FEB 2000	9.1	671	101.3	8.5		4562.5
22 MAR 2000	9.2	684	103.2	8.5		4563.3
12 APR 2000	9.1	678	101.4	8.6		4563.7
16 MAY 2000	9.0	678	99.2	8.6		4562.5
14 JUN 2000	9.1	684	99.0	8.6		4560.9

* Values Exceed Upper Control Limit

4MW-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-9

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	8.9	669	94.6	8.5		4558.6
17 FEB 2000	8.7	666	95.0	8.5		4557.2
22 MAR 2000	8.9	670	96.8	8.5		4557.6
12 APR 2000	8.8	670	95.6	8.6		4558.3
16 MAY 2000	9.1	670	95.2	8.5		4557.3
14 JUN 2000	9.2	674	94.9	8.6		4556.1

* Values Exceed Upper Control Limit

4MW-9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-10

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.0	676	94.5	8.5		4565.1
17 FEB 2000	9.1	668	97.5	8.5		4564.1
22 MAR 2000	9.2	683	98.0	8.6		4564.9
12 APR 2000	9.6	675	102.8	8.6		4565.4
16 MAY 2000	9.1	675	95.8	8.6		4564.3
14 JUN 2000	9.1	680	95.7	8.6		4562.6

* Values Exceed Upper Control Limit

4MW-10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-11

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.3	668	88.9	8.6		4561.1
17 FEB 2000	9.1	666	91.0	8.6		4560.1
22 MAR 2000	9.6	671	93.7	8.7		4560.6
12 APR 2000	9.4	670	92.9	8.7		4560.8
16 MAY 2000	9.4	667	90.7	8.7		4560.5
14 JUN 2000	9.3	673	89.5	8.7		4559.2

* Values Exceed Upper Control Limit

4MW-11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-12

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.2	677	93.8	8.8		4567.7
17 FEB 2000	9.4	667	99.4	8.8		4567.0
22 MAR 2000	9.7	680	101.2	8.8		4567.7
11 APR 2000	9.2	685	96.4	8.9		4568.5
16 MAY 2000	9.3	674	94.4	9.0		4567.3
14 JUN 2000	9.6	678	96.1	8.9		4565.6

* Values Exceed Upper Control Limit

4MW-12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-13 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.3	674	94.0	8.4		4563.4
17 FEB 2000	9.0	673	92.5	8.4		4562.5
22 MAR 2000	9.5	678	97.0	8.5		4562.6
11 APR 2000	9.4	677	97.1	8.5		4563.5
16 MAY 2000	9.4	673	94.6	8.5		4563.1
14 JUN 2000	9.3	680	93.1	8.5		4561.8

* Values Exceed Upper Control Limit 4MW-13

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-14

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.3	682	99.4	8.4		4569.9
17 FEB 2000	9.0	677	100.3	8.4		4569.2
22 MAR 2000	9.3	684	102.2	8.4		4570.0
11 APR 2000	9.5	686	104.5	8.5		4570.8
16 MAY 2000	9.9	682	105.3	8.5		4569.9
14 JUN 2000	9.6	685	99.8	8.5		4567.9

* Values Exceed Upper Control Limit

4MW-14

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-15

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.7	690	103.4	8.4		4564.2
17 FEB 2000	9.5	691	105.4	8.4		4563.4
22 MAR 2000	10.0	696	110.0	8.5		4563.8
11 APR 2000	9.8	697	108.1	8.5		4564.7
16 MAY 2000	9.9	702	107.2	8.5		4564.2
14 JUN 2000	10.1	705	109.1	8.4		4563.2

* Values Exceed Upper Control Limit

4MW-15

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-16

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	8.7	673	100.1	8.4		4571.5
17 FEB 2000	8.8	666	100.9	8.4		4570.9
22 MAR 2000	8.6	674	101.5	8.4		4571.8
11 APR 2000	8.5	674	101.2	8.5		4572.6
16 MAY 2000	8.4	673	96.1	8.5		4571.9
14 JUN 2000	8.8	678	98.6	8.5		4569.8

* Values Exceed Upper Control Limit

4MW-16

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-17

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.3	674	94.8	8.6		4566.5
17 FEB 2000	9.1	673	94.9	8.5		4566.5
22 MAR 2000	9.4	678	96.9	8.5		4566.3
11 APR 2000	9.3	677	97.1	8.6		4566.1
16 MAY 2000	9.3	675	95.3	8.6		4566.9
14 JUN 2000	9.3	680	93.5	8.5		4565.3

* Values Exceed Upper Control Limit

4MW-17

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-18

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.2	682	98.4	8.5		4571.5
17 FEB 2000	9.2	674	99.3	8.4		4571.1
22 MAR 2000	9.6	687	103.5	8.5		4571.8
11 APR 2000	9.5	685	101.3	8.5		4572.7
16 MAY 2000	9.3	682	98.5	8.5		4572.1
14 JUN 2000	9.1	693	97.6	8.6		4570.4

* Values Exceed Upper Control Limit

4MW-18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-19

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.2	673	94.5	8.4		4566.8
17 FEB 2000	9.4	673	99.5	8.3		4566.2
22 MAR 2000	9.3	679	98.2	8.4		4566.6
11 APR 2000	9.4	678	98.5	8.5		4567.4
16 MAY 2000	9.4	675	94.9	8.5		4567.2
14 JUN 2000	9.4	684	95.2	8.5		4565.6

* Values Exceed Upper Control Limit

4MW-19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-20

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.1	680	104.6	8.5		4574.6
17 FEB 2000	8.6	674	100.7	8.4		4574.3
22 MAR 2000	8.9	685	102.8	8.5		4575.2
11 APR 2000	8.8	683	103.2	8.5		4576.4
16 MAY 2000	8.7	681	99.5	8.5		4575.8
14 JUN 2000	8.8	689	104.1	8.5		4573.7

* Values Exceed Upper Control Limit

4MW-20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-21 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.7	668	99.6	8.4		4567.8
17 FEB 2000	9.2	669	94.6	8.3		4567.3
22 MAR 2000	9.5	674	96.5	8.4		4567.9
11 APR 2000	9.4	672	96.4	8.5		4568.5
16 MAY 2000	9.4	671	93.8	8.5		4568.4
14 JUN 2000	9.2	677	92.3	8.5		4567.0

* Values Exceed Upper Control Limit

4MW-21

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-22

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	8.7	681	97.3	8.5		4574.2
17 FEB 2000	8.8	673	99.1	8.4		4573.9
22 MAR 2000	9.4	685	105.2	8.5		4574.6
11 APR 2000	8.8	683	98.5	8.5		4576.0
16 MAY 2000	8.9	681	97.2	8.5		4575.5
14 JUN 2000	9.3	688	102.8	8.5		4573.5

* Values Exceed Upper Control Limit

4MW-22

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-23 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.1	679	96.3	8.4		4569.6
17 FEB 2000	9.0	677	96.8	8.3		4569.2
22 MAR 2000	9.1	684	98.1	8.4		4569.8
11 APR 2000	9.3	680	98.9	8.4		4570.6
16 MAY 2000	9.1	679	94.5	8.4		4570.5
14 JUN 2000	9.3	686	98.1	8.5		4569.2

* Values Exceed Upper Control Limit 4MW-23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-24

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.0	678	96.2	8.4		4573.4
17 FEB 2000	8.9	667	96.6	8.4		4573.2
22 MAR 2000	9.0	682	97.2	8.4		4573.7
11 APR 2000	8.9	681	96.2	8.5		4575.1
16 MAY 2000	9.1	679	94.6	8.5		4574.8
14 JUN 2000	9.5	686	99.8	8.5		4573.2

* Values Exceed Upper Control Limit

4MW-24

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 4MW-25 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	11.1	825	116.9			
Date						
12 JAN 2000	9.4	686	101.7	8.4		4571.6
17 FEB 2000	9.4	681	102.7	8.4		4571.3
22 MAR 2000	9.2	691	100.4	8.4		4571.9
11 APR 2000	9.3	690	101.0	8.5		4572.9
16 MAY 2000	9.7	689	102.5	8.5		4572.8
14 JUN 2000	9.3	696	98.9	8.5		4571.4

* Values Exceed Upper Control Limit 4MW-25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.1	858	87.6	8.4		4611.5
25 JAN 2000	7.3	847	89.3	8.5		4611.2
08 FEB 2000	7.4	823	91.3	8.4		4610.9
23 FEB 2000	7.7	815	92.7	8.3		4611.5
07 MAR 2000	8.0	792	96.8	8.4		4611.9
21 MAR 2000	8.1	787	95.8	8.3		4612.7
04 APR 2000	8.3	765	101.3	8.5		4614
18 APR 2000	8.5	766	102.4	8.4		4610.4
02 MAY 2000	8.2	808	94.1	8.5		4616.9
13 JUN 2000	8.3	768	94.4	8.4		4589.2

* Values Exceed Upper Control Limit

5MW1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.9	805	95.2	8.3		4602.3
25 JAN 2000	7.9	807	94.6	8.5		4602.5
08 FEB 2000	7.7	803	93.1	8.3		4602.7
24 FEB 2000	8.0	805	99.5	8.4		4604.4
08 MAR 2000	8.1	810	98.1	8.3		4604.7
22 MAR 2000	7.8	805	97.0	8.4		4606.1
04 APR 2000	8.1	814	98.6	8.5		4608.4
18 APR 2000	7.9	812	98.0	8.4		4598.9
02 MAY 2000	8.2	822	92.0	8.5		4591.2
13 JUN 2000	7.9	841	92.1	8.4		4576.2

* Values Exceed Upper Control Limit 5MW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW3

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.2	740	98.9	8.3		4612.0
25 JAN 2000	8.3	747	97.8	8.4		4611.5
08 FEB 2000	8.0	742	97.9	8.3		4610.9
23 FEB 2000	8.4	738	101.3	8.2		4611.8
07 MAR 2000	8.2	749	99.7	8.3		4611.9
21 MAR 2000	8.3	746	100.1	8.3		4612.4
04 APR 2000	8.3	750	100.9	8.4		4613
18 APR 2000	8.2	744	100.8	8.3		4609.7
02 MAY 2000	8.5	751	96.3	8.4		4602.4
13 JUN 2000	8.2	743	96.7	8.3		4591.6

* Values Exceed Upper Control Limit

5MW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW4

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.9	715	107.5	8.4		4606.5
25 JAN 2000	8.6	720	104.8	8.5		4606.5
08 FEB 2000	9.0	713	111.0	8.3		4606.2
24 FEB 2000	8.7	712	105.4	8.4		4607.5
08 MAR 2000	8.6	719	106.9	8.4		4608.0
22 MAR 2000	8.5	712	107.4	8.5		4608.8
04 APR 2000	9.0	725	111.2	8.5		4611.0
18 APR 2000	8.7	718	105.7	8.4		4604.3
02 MAY 2000	9.0	717	103.3	8.5		4594.9
13 JUN 2000	9.0	715	106.8	8.5		4581.8

* Values Exceed Upper Control Limit

5MW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW5 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.3	837	92.8	8.2		4610.1
25 JAN 2000	7.3	845	92.5	8.4		4609.8
08 FEB 2000	7.4	816	93.8	8.2		4609.4
23 FEB 2000	7.4	854	92.6	8.2		4610.0
07 MAR 2000	6.9	879	89.4	8.3		4609.1
21 MAR 2000	7.4	857	96.3	8.3		4611.0
04 APR 2000	7.3	866	96.6	8.4		4612
18 APR 2000	7.7	770	96.9	8.4		4608.5
02 MAY 2000	8.1	786	93.9	8.4		4601.4
13 JUN 2000	7.9	768	95.3	8.4		4591.8

* Values Exceed Upper Control Limit 5MW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW6 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	9.1	687	108.2	8.4		4607.3
25 JAN 2000	8.9	690	107.7	8.6		4607.3
08 FEB 2000	9.1	678	109.3	8.4		4606.7
24 FEB 2000	8.9	681	109.9	8.5		4607.8
08 MAR 2000	9.1	686	110.6	8.5		4608.0
22 MAR 2000	9.1	680	112.0	8.5		4608.9
04 APR 2000	9.1	697	117.5	8.6		4611.1
18 APR 2000	8.9	701	111.2	8.5		4604.5
02 MAY 2000	9.6	669	107.6	8.6		4596.5
13 JUN 2000	9.0	706	107.4	8.5		4581.9

* Values Exceed Upper Control Limit 5MW6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW7 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.0	882	91.2	8.6		4608.5
25 JAN 2000	7.0	889	91.4	8.8		4608.1
08 FEB 2000	6.9	878	92.1	8.6		4607.6
23 FEB 2000	6.9	885	93.5	8.6		4608.3
07 MAR 2000	6.9	899	92.4	8.7		4608.4
21 MAR 2000	7.0	886	93.6	8.6		4609.1
04 APR 2000	7.0	886	93.4	8.7		4610
18 APR 2000	7.5	808	92.6	8.5		4607.9
02 MAY 2000	7.7	824	89.7	8.6		4601.4
13 JUN 2000	7.6	811	90.3	8.5		4592.4

* Values Exceed Upper Control Limit 5MW7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW8 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	23	1423	122.5				
Date							
11 JAN 2000	13.3	798	140.0	*	8.1		4608.0
25 JAN 2000	14.9	832	152.8	*	8.1		4607.7
08 FEB 2000	9.7	690	114.0		8.3		4607.1
24 FEB 2000	9.5	699	112.8		8.3		4608.0
08 MAR 2000	9.4	725	113.9		8.3		4608.5
22 MAR 2000	9.1	750	111.4		8.4		4609.0
04 APR 2000	11.5	837	130.5	*	8.2		4610.7
18 APR 2000	9.3	694	113.6		8.4		4606.8
02 MAY 2000	9.3	680	106.0		8.5		4598.3
13 JUN 2000	9.2	673	107.0		8.5		4585.2

* Values Exceed Upper Control Limit 5MW8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW10

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	9.3	722	110.1	8.4		4608.1
25 JAN 2000	9.1	734	105.7	8.5		4607.8
08 FEB 2000	8.6	713	104.5	8.3		4607.2
24 FEB 2000	8.5	716	104.3	8.4		4608.2
08 MAR 2000	8.9	728	105.7	8.4		4608.5
22 MAR 2000	8.9	722	102.6	8.5		4609.2
04 APR 2000	10.8	782	119.9	8.4		4610
18 APR 2000	8.4	720	103.8	8.4		4607.5
02 MAY 2000	8.5	721	99.5	8.5		4599.5
13 JUN 2000	8.8	719	104.6	8.4		4587.6

* Values Exceed Upper Control Limit

5MW10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW12

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1725	145.4			
Date						
11 JAN 2000	8.6	1058	109.7	8.1		4603.2
25 JAN 2000	8.2	1075	108.3	8.2		4602.8
08 FEB 2000	8.3	1157	111.6	8.0		4602.6
24 FEB 2000	8.3	997	106.9	8.1		4603.7
08 MAR 2000	8.5	1142	112.7	8.1		4604.0
22 MAR 2000	8.1	971	111.3	8.2		4604.6
04 APR 2000	8.3	1093	110.4	8.2		4606.1
18 APR 2000	8.5	994	107.9	8.2		4603.2
02 MAY 2000	8.6	981	106.6	8.3		4596.2
13 JUN 2000	8.4	898	100.6	8.3		4586.5

* Values Exceed Upper Control Limit

5MW12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW14

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.9	686	105.9	8.4		4603.1
25 JAN 2000	8.7	692	103.5	8.6		4602.8
08 FEB 2000	8.8	682	104.1	8.3		4602.5
24 FEB 2000	9.0	682	108.9	8.4		4603.5
08 MAR 2000	8.7	689	107.2	8.5		4603.7
22 MAR 2000	8.6	688	108.1	8.5		4604.4
04 APR 2000	8.8	698	110.8	8.5		4605
18 APR 2000	8.7	688	106.2	8.4		4603.8
02 MAY 2000	8.7	699	101.3	8.6		4597.5
13 JUN 2000	8.8	694	103.3	8.5		4588.5

* Values Exceed Upper Control Limit

5MW14

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW16

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.6	741	103.7	8.3		4603.4
25 JAN 2000	8.4	746	102.6	8.5		4602.9
08 FEB 2000	8.0	736	100.1	8.4		4602.8
24 FEB 2000	8.0	763	101.2	8.3		4603.4
08 MAR 2000	8.3	773	104.0	8.4		4603.6
22 MAR 2000	8.0	755	102.0	8.4		4604.4
04 APR 2000	8.2	763	102.3	8.4		4605.3
18 APR 2000	8.2	720	101.4	8.3		4603.9
02 MAY 2000	8.4	734	103.3	8.5		4598.0
13 JUN 2000	8.2	723	97.6	8.4		4589.2

* Values Exceed Upper Control Limit

5MW16

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW18

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.7	850	96.2	8.3		4601.9
25 JAN 2000	7.4	849	93.4	8.4		4601.2
08 FEB 2000	7.7	841	99.1	8.3		4601.0
24 FEB 2000	7.1	873	93.2	8.3		4601.6
08 MAR 2000	7.0	903	92.6	8.3		4601.9
22 MAR 2000	7.3	852	94.8	8.3		4602.5
04 APR 2000	7.4	857	96.7	8.4		4603
18 APR 2000	7.4	832	95.2	8.3		4601.9
02 MAY 2000	8.4	760	97.4	8.5		4596.2
13 JUN 2000	8.8	729	100.0	8.4		4587.6

* Values Exceed Upper Control Limit

5MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW20

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.0	876	90.2	8.4		4605.9
25 JAN 2000	7.2	882	90.9	8.5		4605.4
08 FEB 2000	6.9	872	90.0	8.4		4605.2
23 FEB 2000	6.9	898	92.7	8.4		4605.8
07 MAR 2000	6.6	935	87.2	8.5		4605.8
21 MAR 2000	7.0	893	92.1	8.4		4606.4
04 APR 2000	7.0	885	92.5	8.5		4607.4
18 APR 2000	7.3	837	92.7	8.4		4604.7
02 MAY 2000	8.3	767	94.6	8.5		4599.9
13 JUN 2000	8.3	748	96.3	8.5		4591.1

* Values Exceed Upper Control Limit

5MW20

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW30A

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.2	670	100.8	8.5		4588.0
24 JAN 2000	8.0	670	99.8	8.7		4586.5
08 FEB 2000	8.1	669	100.2	8.4		4590.6
23 FEB 2000	7.9	666	98.9	8.5		4591.0
07 MAR 2000	8.3	675	107.7	8.7		4590.6
21 MAR 2000	8.1	668	101.4	8.6		4593.3
03 APR 2000	8.2	668	102.9	8.6		4595
17 APR 2000	8.0	665	102.5	8.6		4595.8
01 MAY 2000	8.3	669	96.9	8.6		4592.8
12 JUN 2000	8.1	666	97.3	8.6		4586.3

* Values Exceed Upper Control Limit

5MW30A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW31 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.2	670	101.5	8.5		4588.4
24 JAN 2000	8.2	669	101.3	8.6		4585.6
08 FEB 2000	8.3	668	104.2	8.4		4588.2
23 FEB 2000	8.5	667	104.6	8.4		4591.4
07 MAR 2000	8.2	675	103.4	8.6		4590.7
21 MAR 2000	8.3	668	104.5	8.5		4584.5
03 APR 2000	8.3	670	104.3	8.6		4595.5
17 APR 2000	8.7	668	109.7	8.5		4596.0
01 MAY 2000	8.7	672	99.9	8.6		4593.1
12 JUN 2000	8.5	653	97.2	8.6		4586.8

* Values Exceed Upper Control Limit 5MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW32A

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.2	676	102.1	8.5		4587.7
24 JAN 2000	8.1	673	101.9	8.7		4586.7
08 FEB 2000	8.1	672	101.7	8.4		4587.7
23 FEB 2000	8.3	672	104.9	8.5		4591.0
07 MAR 2000	8.2	678	105.1	8.6		4590.5
21 MAR 2000	8.0	673	105.7	8.6		4593.2
03 APR 2000	8.2	674	105.6	8.6		4595
17 APR 2000	8.2	671	106.8	8.6		4595.7
01 MAY 2000	8.4	677	101.1	8.6		4592.3
12 JUN 2000	8.2	667	97.4	8.6		4584.7

* Values Exceed Upper Control Limit

5MW32A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW33 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.0	672	96.4	8.4		4589.2
24 JAN 2000	8.4	671	100.3	8.6		4587.4
08 FEB 2000	8.3	669	100.4	8.3		4588.9
23 FEB 2000	8.5	670	101.8	8.4		4592.5
07 MAR 2000	8.5	677	103.7	8.5		4591.8
21 MAR 2000	8.4	671	103.2	8.4		4594.3
03 APR 2000	8.3	672	102.6	8.5		4596.3
17 APR 2000	8.5	670	105.1	8.5		4597.0
01 MAY 2000	8.6	675	99.3	8.5		4594.7
12 JUN 2000	8.5	673	99.9	8.5		4589.0

* Values Exceed Upper Control Limit 5MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW34

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.1	680	105.5	8.4		4588.1
24 JAN 2000	8.2	679	106.3	8.6		4586.9
08 FEB 2000	8.0	678	105.1	8.3		4588.1
23 FEB 2000	8.4	683	108.2	8.4		4591.4
07 MAR 2000	8.2	685	108.1	8.5		4591.1
21 MAR 2000	8.1	680	108.4	8.4		4593.8
03 APR 2000	8.2	680	109.2	8.5		4596
17 APR 2000	8.0	679	107.7	8.5		4596.3
01 MAY 2000	8.7	685	104.9	8.4		4592.5
12 JUN 2000	8.3	684	106.6	8.5		4585.0

* Values Exceed Upper Control Limit

5MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW35A

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.3	675	101.2	8.5		4589.7
24 JAN 2000	8.2	674	101.7	8.7		4588.0
08 FEB 2000	8.2	674	102.4	8.5		4590.2
23 FEB 2000	8.4	677	106.4	8.6		4593.8
07 MAR 2000	8.4	679	104.9	8.6		4592.6
21 MAR 2000	8.1	670	103.7	8.6		4595.8
03 APR 2000	8.2	673	103.1	8.6		4597.8
17 APR 2000	8.7	669	108.3	8.6		4598.6
01 MAY 2000	8.7	676	100.2	8.6		4596.0
12 JUN 2000	8.6	667	100.7	8.6		4590.0

* Values Exceed Upper Control Limit

5MW35A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW36

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.2	682	105.7	8.5		4588.7
24 JAN 2000	8.2	682	106.0	8.7		4587.1
08 FEB 2000	8.0	681	105.4	8.5		4588.9
23 FEB 2000	8.4	684	107.5	8.5		4592.2
07 MAR 2000	8.1	689	105.9	8.6		4591.7
21 MAR 2000	8.0	681	111.2	8.6		4594.9
03 APR 2000	8.2	683	109.5	8.6		4597
17 APR 2000	8.6	683	114.9	8.4		4597.5
01 MAY 2000	8.6	686	105.2	8.5		4593.0
12 JUN 2000	8.2	682	103.7	8.6		4585.1

* Values Exceed Upper Control Limit

5MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW37

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.1	673	103.4	8.5		4590.4
24 JAN 2000	8.3	672	104.4	8.6		4587.7
08 FEB 2000	8.2	670	104.4	8.6		4591.2
23 FEB 2000	8.7	676	112.2	8.6		4594.7
07 MAR 2000	8.2	677	105.9	8.6		4593.8
21 MAR 2000	8.0	670	106.0	8.6		4597.2
03 APR 2000	8.2	674	104.6	8.7		4599.0
17 APR 2000	8.5	667	104.8	8.6		4599.9
01 MAY 2000	8.7	671	99.4	8.6		4597.4
12 JUN 2000	8.3	670	103.0	8.6		4591.4

* Values Exceed Upper Control Limit

5MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW38

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	22.7	1004	134.3				
Date							
10 JAN 2000	12.4	766	141.5	*	8.2		4589.1
24 JAN 2000	12.8	766	144.9	*	8.4		4587.4
08 FEB 2000	11.9	755	138.7	*	8.3		4589.6
23 FEB 2000	11.4	753	138.9	*	8.3		4592.8
07 MAR 2000	11.1	751	135.5	*	8.4		4592.1
21 MAR 2000	10.8	743	140.4	*	8.3		4596.2
03 APR 2000	11.6	760	145.1	*	8.3		4598
17 APR 2000	11.8	761	147.2	*	8.3		4598.3
01 MAY 2000	12.6	779	144.1	*	8.3		4593.0
12 JUN 2000	13.0	790	150.7	*	8.3		4584.6

* Values Exceed Upper Control Limit

5MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW39A

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.3	675	103.0	8.5		4590.8
25 JAN 2000	8.2	679	104.1	8.5		4586.0
08 FEB 2000	8.1	669	104.2	8.5		4593.3
24 FEB 2000	8.4	670	110.5	8.5		4595.4
08 MAR 2000	8.0	676	105.9	8.6		4594.5
23 MAR 2000	8.2	666	106.7	8.6		4599.2
04 APR 2000	8.2	680	105.2	8.6		4601.6
18 APR 2000	8.2	674	104.4	8.5		4602.1
02 MAY 2000	8.3	679	101.5	8.6		4598.7
13 JUN 2000	8.6	675	103.9	8.6		4592.4

* Values Exceed Upper Control Limit

5MW39A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW40

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.4	674	99.2	8.4		4589.2
24 JAN 2000	8.6	675	101.7	8.6		4587.7
08 FEB 2000	8.7	673	104.7	8.5		4590.1
23 FEB 2000	8.5	676	102.2	8.5		4593.1
07 MAR 2000	8.4	678	102.1	8.6		4592.5
21 MAR 2000	8.3	672	103.9	8.6		4596.9
03 APR 2000	8.5	674	106.8	8.6		4599
17 APR 2000	8.6	673	108.6	8.5		4598.4
01 MAY 2000	8.7	675	103.4	8.6		4592.6
12 JUN 2000	8.6	670	105.2	8.6		4583.6

* Values Exceed Upper Control Limit

5MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW41A

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.0	677	103.5	8.4		4593.4
25 JAN 2000	8.1	682	105.5	8.5		4589.2
08 FEB 2000	8.0	673	107.1	8.4		4597.0
24 FEB 2000	8.0	675	107.7	8.4		4598.2
08 MAR 2000	8.0	677	107.2	8.4		4597.9
23 MAR 2000	8.1	672	107.8	8.5		4601.4
04 APR 2000	8.2	680	109.2	8.5		4603.8
18 APR 2000	8.2	676	107.7	8.4		4604.4
02 MAY 2000	8.6	683	106.8	8.5		4601.6
13 JUN 2000	8.4	684	104.6	8.4		4595.5

* Values Exceed Upper Control Limit

5MW41A

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW42

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.6	674	105.4	8.4		4590.2
24 JAN 2000	8.6	675	104.3	8.6		4588.7
08 FEB 2000	8.6	673	106.4	8.4		4591.5
23 FEB 2000	8.5	678	106.9	8.4		4594.3
08 MAR 2000	8.6	677	109.8	8.5		4593.8
21 MAR 2000	8.4	673	110.0	8.5		4598.8
03 APR 2000	8.4	680	109.1	8.5		4601
17 APR 2000	8.5	678	108.9	8.5		4599.1
01 MAY 2000	8.9	680	102.1	8.5		4591.8
12 JUN 2000	8.5	677	104.5	8.5		4581.9

* Values Exceed Upper Control Limit

5MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW43 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.2	681	109.1	8.6		4594.4
25 JAN 2000	8.1	679	104.0	8.7		4589.7
08 FEB 2000	8.2	680	110.2	8.6		4600.4
24 FEB 2000	8.0	680	109.2	8.5		4599.4
08 MAR 2000	7.8	684	109.1	8.5		4599.7
23 MAR 2000	8.1	677	112.1	8.6		4603.2
04 APR 2000	8.1	685	110.5	8.7		4605.3
18 APR 2000	8.2	679	109.2	8.5		4606.0
02 MAY 2000	8.7	690	110.2	8.6		4602.7
13 JUN 2000	8.3	688	109.0	8.5		4596.4

* Values Exceed Upper Control Limit

5MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW44

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
10 JAN 2000	8.6	669	100.9	8.4		4588.3
24 JAN 2000	8.6	667	101.4	8.6		4586.2
08 FEB 2000	8.6	665	101.9	8.5		4591.4
23 FEB 2000	8.6	669	102.6	8.5		4592.7
08 MAR 2000	8.5	665	102.2	8.5		4591.8
21 MAR 2000	8.6	661	104.2	8.6		4599.1
03 APR 2000	8.4	664	102.2	8.7		460[illegible]
17 APR 2000	8.7	664	102.7	8.5		4599[illegible]
01 MAY 2000	9.2	670	99.0	8.6		4592.7
12 JUN 2000	9.1	668	105.3	8.6		4583.0

* Values Exceed Upper Control Limit

5MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW45 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.7	682	109.9	8.4		4595.3
25 JAN 2000	8.2	688	113.0	8.5		4592.3
08 FEB 2000	7.8	678	108.3	8.4		4605.7
24 FEB 2000	7.8	676	110.0	8.4		4602.8
08 MAR 2000	7.8	684	109.6	8.4		4603.6
23 MAR 2000	7.9	677	111.9	8.5		4605.3
04 APR 2000	7.9	685	111.8	8.5		4607.9
18 APR 2000	7.8	680	109.9	8.4		4607.6
02 MAY 2000	8.3	685	107.8	8.5		4603.7
13 JUN 2000	8.2	687	109.0	8.5		4597.0

* Values Exceed Upper Control Limit 5MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW46 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.4	665	100.9	8.3		4587.3
24 JAN 2000	8.3	671	100.3	8.5		4583.2
08 FEB 2000	8.3	669	101.1	8.3		4593.8
23 FEB 2000	8.5	673	108.1	8.4		4589.9
08 MAR 2000	8.2	673	103.7	8.4		4588.6
21 MAR 2000	8.3	673	107.0	8.4		4600.8
03 APR 2000	8.2	674	107.5	8.5		4604
17 APR 2000	8.3	676	107.3	8.4		4600.8
01 MAY 2000	8.6	681	104.4	8.5		4594.2
12 JUN 2000	8.3	681	106.2	8.5		4584.8

* Values Exceed Upper Control Limit

5MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW47B

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.6	684	108.3	8.4		4600.9
25 JAN 2000	7.9	688	110.1	8.5		4605.7
08 FEB 2000	7.6	679	109.0	8.4		4607.5
24 FEB 2000	8.0	680	115.4	8.4		4614.1
08 MAR 2000	7.7	685	111.0	8.4		4614.9
23 MAR 2000	7.8	680	112.6	8.5		4608.9
04 APR 2000	7.8	688	112.4	8.5		4611.1
18 APR 2000	7.9	683	111.1	8.4		4610.9
02 MAY 2000	8.0	691	115.0	8.6		4606.7
13 JUN 2000	8.1	691	109.6	8.4		4599.7

* Values Exceed Upper Control Limit

5MW47B

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW48

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	22.7	1004	134.3				
Date							
11 JAN 2000	9.7	608	171.6	*	8.3		4586.3
24 JAN 2000	8.8	653	138.6	*	8.3		4586.3
08 FEB 2000	9.3	638	152.0	*	8.2		4594.1
23 FEB 2000	9.2	648	147.4	*	8.2		4593.8
08 MAR 2000	8.8	651	142.1	*	8.1		4593.3
21 MAR 2000	9.5	626	165.1	*	8.4		4601.9
03 APR 2000	8.9	658	137.9	*	8.4		4605
17 APR 2000	9.5	645	155.2	*	8.2		4600.5
01 MAY 2000	10.9	591	192.0	*	8.4		4593.7
12 JUN 2000	10.8	572	206.9	*	8.3		4583.5

* Values Exceed Upper Control Limit

5MW48

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW49 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.6	684	106.7	8.4		4600.4
25 JAN 2000	8.0	689	115.6	8.4		4609.7
08 FEB 2000	7.8	679	110.2	8.4		4607.2
24 FEB 2000	8.1	682	114.4	8.4		4617.2
08 MAR 2000	7.8	687	111.4	8.4		4617.8
23 MAR 2000	7.8	681	111.6	8.5		4609.6
04 APR 2000	8.0	690	112.4	8.5		4612.1
18 APR 2000	7.9	684	110.9	8.4		4610.6
02 MAY 2000	8.2	695	108.5	8.6		4605.8
13 JUN 2000	8.0	691	109.6	8.4		4598.1

* Values Exceed Upper Control Limit 5MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW50

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.6	671	106.2	8.4		4586.1
25 JAN 2000	8.7	676	107.5	8.4		4587.0
08 FEB 2000	8.5	679	106.8	8.4		4590.9
23 FEB 2000	8.9	679	109.2	8.4		4594.0
07 MAR 2000	8.6	683	108.6	8.5		4593.6
21 MAR 2000	8.3	675	110.5	8.4		4601.8
03 APR 2000	8.1	688	111.4	8.5		4605
17 APR 2000	8.4	687	112.5	8.4		4598.1
01 MAY 2000	8.6	691	106.7	8.4		4591.5
13 JUN 2000	8.5	690	108.7	8.5		4579.7

* Values Exceed Upper Control Limit

5MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW51 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.7	685	108.5	8.3		4604.1
25 JAN 2000	8.1	687	111.9	8.4		4610.2
08 FEB 2000	8.2	681	116.0	8.3		4609.2
24 FEB 2000	8.0	683	113.1	8.3		4616.3
08 MAR 2000	7.8	685	112.6	8.4		4617.2
21 MAR 2000	7.9	682	114.1	8.4		4612.2
04 APR 2000	7.9	691	113.0	8.4		4614.2
18 APR 2000	8.0	685	112.9	8.3		4613.2
02 MAY 2000	8.1	698	107.6	8.5		4608.9
13 JUN 2000	8.1	692	109.1	8.4		4601.2

* Values Exceed Upper Control Limit 5MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW52 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.6	689	111.7	8.3		4589.2
25 JAN 2000	8.7	693	111.9	8.4		4590.1
08 FEB 2000	8.9	693	116.1	8.3		4592.2
23 FEB 2000	8.6	694	112.6	8.3		4596.4
07 MAR 2000	8.5	700	112.7	8.4		4596.1
21 MAR 2000	8.5	686	114.7	8.4		4603.4
03 APR 2000	8.5	694	113.7	8.4		4606
17 APR 2000	8.5	694	114.6	8.4		4598.4
01 MAY 2000	8.9	697	109.7	8.4		4591.6
13 JUN 2000	8.9	698	109.6	8.4		4578.9

* Values Exceed Upper Control Limit 5MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW53 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.2	690	110.6	8.3		4603.5
25 JAN 2000	8.5	692	116.2	8.3		4609.4
08 FEB 2000	8.5	685	112.4	8.3		4608.1
24 FEB 2000	8.5	687	114.8	8.3		4614.8
08 MAR 2000	8.0	691	111.7	8.3		4615.5
21 MAR 2000	8.5	681	117.3	8.4		4612.3
04 APR 2000	8.3	693	115.4	8.4		4614.3
18 APR 2000	8.4	688	115.4	8.3		4612.6
02 MAY 2000	8.5	700	109.9	8.5		4607.3
13 JUN 2000	8.2	694	110.2	8.4		4598.8

* Values Exceed Upper Control Limit 5MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW54

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	17.2	736	116.4	8.4		4590.3
25 JAN 2000	17.0	738	116.9	8.4		4591.4
08 FEB 2000	16.6	736	116.7	8.4		4592.9
23 FEB 2000	16.3	736	117.8	8.4		4597.2
07 MAR 2000	16.0	740	117.7	8.5		4597.3
21 MAR 2000	14.9	719	117.2	8.4		4604.5
03 APR 2000	14.0	722	118.2	8.5		4607
17 APR 2000	14.0	717	121.6	8.6		4597.3
01 MAY 2000	13.7	714	111.0	8.6		4590.9
13 JUN 2000	15.6	729	113.5	8.5		4576.9

* Values Exceed Upper Control Limit

5MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW55 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.4	688	107.7	8.3		4599.3
25 JAN 2000	8.4	692	109.0	8.4		4606.2
08 FEB 2000	8.1	685	109.4	8.3		4604.1
24 FEB 2000	8.2	687	111.3	8.3		4611.5
08 MAR 2000	8.2	689	111.0	8.3		4612.4
22 MAR 2000	8.3	684	112.2	8.4		4610.4
04 APR 2000	8.3	693	111.1	8.5		4612.9
18 APR 2000	8.3	688	110.2	8.3		4608.9
02 MAY 2000	8.5	699	107.0	8.5		4603.1
13 JUN 2000	8.6	694	111.2	8.4		4593.1

* Values Exceed Upper Control Limit

5MW55

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW56

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.7	694	107.6	8.4		4592.8
25 JAN 2000	8.5	698	116.7	8.4		4593.3
08 FEB 2000	8.6	698	107.9	8.4		4594.7
23 FEB 2000	8.7	702	110.6	8.4		4598.2
07 MAR 2000	8.7	706	110.3	8.5		4598.2
21 MAR 2000	8.7	691	112.7	8.4		4603.3
03 APR 2000	8.5	698	111.7	8.5		460[illegible]
17 APR 2000	8.9	698	115.7	8.5		4596.6
01 MAY 2000	8.9	701	106.7	8.5		4589.4
13 JUN 2000	8.6	700	107.5	8.5		4575.8

* Values Exceed Upper Control Limit

5MW56

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW57 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.4	693	107.2	8.3		4598.5
25 JAN 2000	8.2	697	106.7	8.4		4603.8
08 FEB 2000	8.1	691	108.7	8.3		4602.7
24 FEB 2000	8.7	689	116.9	8.3		4608.7
08 MAR 2000	8.4	693	111.8	8.3		4609.5
22 MAR 2000	8.3	686	112.1	8.4		4610.1
04 APR 2000	8.5	697	112.8	8.4		4612.6
18 APR 2000	8.2	692	108.5	8.3		4607.1
02 MAY 2000	8.6	702	107.3	8.5		4601.2
13 JUN 2000	8.5	697	107.0	8.4		4590.2

* Values Exceed Upper Control Limit 5MW57

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW58

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.6	690	108.4	8.4		4595.0
25 JAN 2000	8.7	693	110.3	8.5		4595.4
08 FEB 2000	8.9	690	115.0	8.5		4596.4
23 FEB 2000	8.6	685	112.5	8.5		4599.7
07 MAR 2000	8.5	695	110.0	8.6		4599.7
21 MAR 2000	8.6	693	113.3	8.5		4603.7
04 APR 2000	8.8	695	112.8	8.6		460[illegible]
18 APR 2000	8.4	686	108.8	8.5		4596.0
02 MAY 2000	8.6	703	105.9	8.6		4589.0
13 JUN 2000	8.6	695	108.2	8.6		4573.7

* Values Exceed Upper Control Limit

5MW58

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW59 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.5	693	108.1	8.3		4595.3
25 JAN 2000	8.4	695	108.2	8.4		4598.5
08 FEB 2000	8.2	687	108.1	8.3		4598.1
24 FEB 2000	8.4	689	111.7	8.4		4603.1
08 MAR 2000	8.4	692	110.9	8.4		4603.8
22 MAR 2000	8.5	685	112.7	8.4		4607.8
04 APR 2000	8.5	699	111.1	8.5		4610.4
18 APR 2000	8.7	687	113.7	8.3		4601.4
02 MAY 2000	9.0	689	109.7	8.5		4595.9
13 JUN 2000	8.8	686	109.6	8.5		4582.6

* Values Exceed Upper Control Limit

5MW59

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW60

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.7	779	191.3			
Date						
11 JAN 2000	9.3	799 *	170.8	8.1		4596.3
25 JAN 2000	9.4	823 *	170.5	8.1		4596.8
08 FEB 2000	9.1	808 *	171.4	8.2		4597.7
23 FEB 2000	8.9	799 *	167.0	8.3		4600.5
07 MAR 2000	9.0	835 *	165.4	8.0		4604.2
21 MAR 2000	9.0	830 *	164.9	8.1		4604.1
04 APR 2000	9.1	813 *	165.1	8.1		4607
18 APR 2000	9.7	720	187.0	8.3		4595.2
02 MAY 2000	11.1	532	228.4 *	8.5		4588.8
13 JUN 2000	10.3	684	201.4 *	8.2		4571.8

* Values Exceed Upper Control Limit

5MW60

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW61

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.9	686	116.1	8.3		4601.4
25 JAN 2000	8.6	692	109.3	8.3		4603.0
08 FEB 2000	8.9	690	115.1	8.2		4603.3
24 FEB 2000	8.7	691	113.1	8.2		4606.4
08 MAR 2000	8.5	690	112.1	8.2		4607.3
22 MAR 2000	8.6	687	113.7	8.3		4609.7
04 APR 2000	8.7	695	113.4	8.4		4612.5
18 APR 2000	9.0	691	115.8	8.3		4603.3
02 MAY 2000	8.7	693	108.8	8.4		4597.2
13 JUN 2000	8.6	695	115.8	8.3		4583.7

* Values Exceed Upper Control Limit

5MW61

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW62

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	22.7	1004	134.3				
Date							
11 JAN 2000	11.4	900	142.3	*	8.0		4596.9
25 JAN 2000	11.8	905	145.2	*	8.0		4597.2
09 FEB 2000	11.4	901	142.4	*	8.0		4598.0
23 FEB 2000	11.8	897	148.7	*	7.9		4600.7
07 MAR 2000	11.7	912	145.5	*	8.0		4600.9
21 MAR 2000	9.6	743	116.3		8.4		4603.5
04 APR 2000	11.9	913	149.5	*	8.1		4606
18 APR 2000	12.3	927	159.0	*	8.0		4592.9
02 MAY 2000	12.1	907	146.7	*	8.2		4587.7
15 MAY 2000	12.0	898	143.1	*	8.1		4586.2
30 MAY 2000	12.4	911	144.9	*	8.1		4576.5
13 JUN 2000	12.1	898	142.9	*	8.1		4568.8

* Values Exceed Upper Control Limit

5MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW63

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.5	678	105.7	8.3		4602.4
25 JAN 2000	8.9	687	108.8	8.3		4603.8
08 FEB 2000	8.7	685	108.6	8.3		4604.1
23 FEB 2000	8.7	682	110.0	8.3		4606.8
07 MAR 2000	8.9	691	109.4	8.4		4607.3
21 MAR 2000	8.6	685	111.1	8.4		4609.4
03 APR 2000	8.6	687	111.1	8.4		4612.0
18 APR 2000	8.8	683	108.4	8.3		4602.6
02 MAY 2000	9.2	683	103.6	8.5		4595.6
13 JUN 2000	9.2	677	105.0	8.4		4581.1

* Values Exceed Upper Control Limit

5MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW64

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	9.0	728	109.7	8.4		4600.0
25 JAN 2000	9.5	738	111.6	8.4		4600.1
09 FEB 2000	9.3	735	111.9	8.5		4600.4
23 FEB 2000	9.0	718	112.1	8.4		4602.8
07 MAR 2000	9.1	738	111.2	8.5		4603.2
21 MAR 2000	9.2	734	107.3	8.3		4605.1
04 APR 2000	9.3	742	113.3	8.5		4607
18 APR 2000	9.1	733	110.4	8.2		4593.8
02 MAY 2000	9.7	744	111.5	8.5		4588.3
15 MAY 2000	9.0	730	106.7	8.5		4587.7
30 MAY 2000	9.1	731	105.3	8.6		4576.1
13 JUN 2000	9.2	729	111.4	8.5		4569.5

* Values Exceed Upper Control Limit

5MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW65 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.9	734	128.1			
Date						
11 JAN 2000	9.7	686	105.6	8.3		4605.6
25 JAN 2000	9.9	691	109.8	8.3		4606.5
08 FEB 2000	9.9	692	107.5	8.3		4606.4
23 FEB 2000	9.8	695	108.8	8.3		4608.5
07 MAR 2000	9.8	703	108.4	8.4		4609.1
21 MAR 2000	9.7	695	111.0	8.3		4610.3
03 APR 2000	9.5	701	111.7	8.3		4613.0
18 APR 2000	9.5	697	116.4	8.2		4604.0
02 MAY 2000	9.8	705	109.1	8.4		4596.4
13 JUN 2000	9.7	708	107.6	8.3		4581.3

* Values Exceed Upper Control Limit 5MW65

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW66

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.5	768	99.3	8.3		4602.2
25 JAN 2000	8.9	777	101.2	8.3		4602.4
09 FEB 2000	8.6	771	100.6	8.3		4602.6
23 FEB 2000	8.9	765	105.6	8.3		4604.6
07 MAR 2000	8.9	783	104.0	8.4		4605.2
21 MAR 2000	8.9	785	108.8	8.6		4606.5
04 APR 2000	15.8	830	145.7 *	8.4		4609
18 APR 2000	8.8	772	101.1	8.2		4595.1
02 MAY 2000	11.2	816	114.8	8.4		4589.7
13 JUN 2000	8.7	782	97.6	8.4		4571.4

* Values Exceed Upper Control Limit

5MW66

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW67 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	7.0	835	86.9	8.2		4608.6
25 JAN 2000	7.3	839	89.9	8.2		4609.1
08 FEB 2000	7.1	840	87.4	8.2		4607.9
23 FEB 2000	7.3	841	93.1	8.2		4610.4
07 MAR 2000	7.3	850	90.2	8.3		4611.2
21 MAR 2000	7.0	837	90.4	8.3		4611.9
03 APR 2000	7.1	837	90.4	8.3		4614.1
18 APR 2000	7.2	839	90.1	8.2		4607.9
02 MAY 2000	7.3	838	87.3	8.4		4599.6
13 JUN 2000	7.3	850	86.4	8.3		4586.9

* Values Exceed Upper Control Limit

5MW67

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 5MW69

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.7	683	108.2	8.5		4610.4
25 JAN 2000	9.2	685	108.9	8.6		4610.4
08 FEB 2000	9.0	682	108.2	8.5		4609.9
23 FEB 2000	9.0	676	111.7	8.5		4611.1
07 MAR 2000	8.8	693	107.9	8.7		4611.4
23 MAR 2000	9.2	700	113.3	8.7		4612.2
04 APR 2000	8.3	736	100.9	8.8		4614.[illegible]
18 APR 2000	9.1	686	109.3	8.6		4608.5
02 MAY 2000	9.2	683	107.3	8.7		4601.4
13 JUN 2000	9.2	684	108.0	8.6		4588.6

* Values Exceed Upper Control Limit

5MW69

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW17-2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	4.9	1314	67.2	8.1		4562.9
18 JAN 2000	4.9	1319	68.0	8.1		4560.8
02 FEB 2000	5.1	1334	71.3	8.1		4562.7
15 FEB 2000	5.0	1318	69.8	8.1		4487.5
29 FEB 2000	5.3	1302	73.3	8.2		4559.3
14 MAR 2000	5.0	1331	69.4	8.1		4566.7
28 MAR 2000	5.2	1316	68.0	8.0		4562.6
10 APR 2000	4.9	1318	69.9	8.1		4555.1
26 APR 2000	5.0	1322	72.3	8.0		4557.3
08 MAY 2000	5.2	1300	68.3	8.2		4555.8
22 MAY 2000	5.4	1310	71.4	8.2		4551.6
05 JUN 2000	5.1	1310	68.0	8.2		4552.1
20 JUN 2000	5.6	1330	72.3	8.1		4554.5

* Values Exceed Upper Control Limit 6MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW19 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.6	1350	68.4	8.1		4612.0
18 JAN 2000	5.5	1421	67.2	8.1		4608.2
02 FEB 2000	5.4	1329	74.5	8.1		4611.6
15 FEB 2000	5.2	1333	71.1	8.1		4610.3
29 FEB 2000	5.7	1342	72.9	8.2		4606.8
14 MAR 2000	5.9	1440	70.2	8.2		4606.8
28 MAR 2000	6.0	1432	70.2	7.9		4606.[illegible]
10 APR 2000	5.8	1413	73.4	8.1		4597.7
26 APR 2000	5.6	1416	72.2	8.1		4600.8
08 MAY 2000	5.9	1423	70.0	8.1		4598.6
22 MAY 2000	5.7	1439	69.1	8.1		4594.8
05 JUN 2000	6.4	1453	72.8	8.1		4595.4
20 JUN 2000	5.7	1450	68.8	8.1		4598.4

* Values Exceed Upper Control Limit 6MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW21

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	20	1576	95.2				
Date							
04 JAN 2000	17.3	1423	156.3	*	8.0		4612.4
18 JAN 2000	8.5	1301	99.0	*	8.0		4604.7
02 FEB 2000	7.4	1315	87.0		7.9		4609.1
15 FEB 2000	7.0	1296	83.9		7.9		4608.5
29 FEB 2000	6.0	1281	79.5		8.0		4602.0
14 MAR 2000	5.9	1286	76.2		8.1		4606.7
28 MAR 2000	5.9	1270	75.0		8.0		4599.8
10 APR 2000	5.4	1273	74.8		8.0		4590.3
26 APR 2000	5.3	1259	75.9		8.0		4596.9
08 MAY 2000	5.5	1265	71.6		8.1		4591.3
22 MAY 2000	5.7	1269	76.1		8.1		4589.3
05 JUN 2000	5.7	1267	71.9		8.1		4590.3
20 JUN 2000	5.7	1265	74.8		8.1		4594.2

* Values Exceed Upper Control Limit

6MW21

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW23 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.1	1256	70.1	8.2		4621.0
18 JAN 2000	5.0	1246	69.4	8.3		4612.9
02 FEB 2000	5.0	1267	70.2	8.3		4618.6
15 FEB 2000	5.2	1258	74.3	8.3		4615.4
29 FEB 2000	5.5	1249	73.6	8.3		4610.5
14 MAR 2000	5.6	1263	71.8	8.4		4608.0
28 MAR 2000	5.6	1261	70.3	8.4		4589
10 APR 2000	5.2	1263	73.6	8.4		4578.9
26 APR 2000	5.2	1258	70.2	8.4		4585.1
08 MAY 2000	5.3	1261	69.3	8.4		4580.5
22 MAY 2000	4.9	1276	67.8	8.4		4580.0
05 JUN 2000	5.7	1277	70.0	8.4		4585.0
20 JUN 2000	5.1	1276	67.7	8.3		4591.0

* Values Exceed Upper Control Limit

6MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW25

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.9	1219	70.8	8.1		4632.3
18 JAN 2000	5.6	1222	70.4	8.2		4626.1
03 FEB 2000	5.9	1225	74.7	8.2		4637.8
15 FEB 2000	5.8	1222	74.1	8.2		4630.8
29 FEB 2000	5.8	1218	72.4	8.2		4626.8
14 MAR 2000	5.5	1227	72.2	8.2		4615.5
28 MAR 2000	5.4	1238	70.5	8.2		4588.5
10 APR 2000	5.2	1244	71.7	8.2		4576.9
26 APR 2000	5.6	1241	70.4	8.3		4584.0
09 MAY 2000	5.7	1247	69.8	8.3		4579.8
23 MAY 2000	5.6	1264	70.3	8.3		4573.8
06 JUN 2000	5.3	1262	69.6	8.3		4580.2
21 JUN 2000	5.5	1267	69.8	8.3		4587.5

* Values Exceed Upper Control Limit

6MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW27

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.1	1280	69.2	8.1		4628.3
18 JAN 2000	5.1	1269	70.1	8.2		4625.7
03 FEB 2000	5.1	1281	70.9	8.2		4644.2
15 FEB 2000	5.2	1272	70.7	8.2		4633.6
29 FEB 2000	5.1	1271	71.2	8.2		4631.1
14 MAR 2000	5.1	1279	71.0	8.2		4614.0
28 MAR 2000	5.1	1270	68.5	8.3		4580
10 APR 2000	5.1	1278	69.9	8.4		4567.1
26 APR 2000	5.1	1269	75.0	8.4		4575.0
09 MAY 2000	5.5	1276	67.2	8.4		4569.6
23 MAY 2000	5.2	1294	67.7	8.4		4561.8
06 JUN 2000	5.6	1291	70.1	8.4		4570.9
21 JUN 2000	5.5	1283	70.4	8.4		4578.4

* Values Exceed Upper Control Limit

6MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW29

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.1	1293	68.9	8.2		4620.0
18 JAN 2000	5.0	1292	73.3	8.2		4621.9
03 FEB 2000	5.2	1302	69.0	8.1		4648.8
16 FEB 2000	5.6	1298	71.9	8.1		4634.9
29 FEB 2000	9.5	1302	77.1	8.2		4634.9
13 MAR 2000	20.0	1315	96.8 *	8.2		4620.2
28 MAR 2000	23.1 *	1329	100.9 *	8.3	-1	4576.6
30 MAR 2000	16.7	1297	91.5	8.5	-1	4574.2
31 MAR 2000	13.4	1298	85.6	8.5	-1	4571.5
11 APR 2000	12.2	1310	82.3	9.0		4561.9
26 APR 2000	10.1	1289	72.6	8.7		4569.7
09 MAY 2000	10.1	1281	66.9	9.2		4563.1
23 MAY 2000	8.1	1297	67.0	9.2		4556.8
06 JUN 2000	6.5	1298	68.2	9.1		4565.8
21 JUN 2000	6.7	1297	64.4	9.2		4571.6

* Values Exceed Upper Control Limit

6MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW31

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.1	1292	66.9	8.2		4599.7
18 JAN 2000	5.2	1298	68.1	8.2		4596.3
03 FEB 2000	5.5	1297	68.8	8.2		4614.4
15 FEB 2000	5.9	1296	71.6	8.1		4618.6
01 MAR 2000	6.0	1299	72.8	8.3		4599.0
15 MAR 2000	6.1	1298	74.2	8.2		4611.0
28 MAR 2000	5.9	1302	72.1	8.2		4592.[illegible]
11 APR 2000	5.9	1297	72.4	8.3		4579.5
26 APR 2000	6.0	1292	73.1	8.0		4585.9
09 MAY 2000	5.9	1278	68.7	8.3		4580.2
23 MAY 2000	5.9	1286	69.1	8.3		4574.6
06 JUN 2000	5.7	1310	69.4	8.3		4578.2
20 JUN 2000	5.5	1309	68.5	8.3		4581.4

* Values Exceed Upper Control Limit

6MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW33 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.1	1269	72.1	8.1		4603.0
17 JAN 2000	5.1	1277	72.4	8.1		4596.7
03 FEB 2000	5.0	1278	72.0	8.1		4609.8
15 FEB 2000	5.2	1275	74.6	8.0		4609.5
01 MAR 2000	5.2	1277	73.8	8.2		4599.7
15 MAR 2000	5.1	1282	73.0	8.1		4600.9
27 MAR 2000	5.1	1287	73.7	8.2		4586.1
11 APR 2000	5.0	1285	72.8	8.3		4576.6
26 APR 2000	5.0	1275	69.9	7.9		4581.9
09 MAY 2000	5.3	1282	69.7	8.2		4576.0
23 MAY 2000	5.1	1293	70.7	8.2		4570.7
06 JUN 2000	5.2	1293	70.4	8.1		4574.0
21 JUN 2000	5.6	1293	70.5	8.2		4576.3

* Values Exceed Upper Control Limit 6MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW34

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	4.9	1351	67.0	8.0		4606.4
18 JAN 2000	4.9	1346	67.7	8.0		4604.3
02 FEB 2000	4.9	1364	66.8	8.1		4605.8
15 FEB 2000	4.9	1350	67.0	8.0		4604.0
29 FEB 2000	4.9	1347	68.2	8.0		4603.6
14 MAR 2000	4.9	1357	69.5	8.1		4613.7
28 MAR 2000	4.9	1345	68.4	8.0		4609
10 APR 2000	4.9	1352	68.7	8.0		4602.8
26 APR 2000	4.9	1347	65.2	7.9		4605.0
08 MAY 2000	5.0	1344	66.4	8.1		4604.0
22 MAY 2000	4.8	1365	65.0	8.1		4599.4
05 JUN 2000	5.2	1362	66.5	8.2		4600.2
20 JUN 2000	4.9	1365	65.3	8.1		4602.5

* Values Exceed Upper Control Limit

6MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW35

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.1	1270	69.7	8.1		4607.4
17 JAN 2000	5.1	1278	69.0	8.0		4601.1
03 FEB 2000	5.1	1282	70.1	8.0		4610.6
15 FEB 2000	5.2	1273	70.2	7.9		4605.1
01 MAR 2000	5.4	1279	72.6	8.2		4604.0
15 MAR 2000	5.5	1286	75.3	8.2		4604.0
27 MAR 2000	5.3	1289	75.4	8.1		4584.1
11 APR 2000	5.1	1285	74.4	8.1		4576.3
26 APR 2000	5.1	1272	70.5	8.1		4580.5
09 MAY 2000	5.3	1283	70.1	8.1		4574.3
23 MAY 2000	5.3	1293	70.3	8.1		4569.3
06 JUN 2000	5.6	1292	70.7	8.1		4572.4
21 JUN 2000	5.6	1291	73.3	8.1		4574.2

* Values Exceed Upper Control Limit

6MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW36

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.4	1271	67.3	8.1		4605.8
18 JAN 2000	6.0	1209	68.4	8.1		4601.8
03 FEB 2000	5.9	1217	68.4	8.1		4605.8
15 FEB 2000	5.7	1208	68.3	8.1		4604.4
29 FEB 2000	6.0	1216	73.9	8.1		4604.7
14 MAR 2000	5.5	1282	68.6	8.2		4612.1
28 MAR 2000	5.8	1210	70.0	8.1		4607
10 APR 2000	5.7	1209	70.5	8.1		4600.7
26 APR 2000	6.0	1206	68.7	8.0		4603.6
08 MAY 2000	5.8	1203	68.4	8.2		4602.3
22 MAY 2000	5.7	1218	68.3	8.2		4598.0
05 JUN 2000	6.0	1219	68.4	8.2		4598.8
21 JUN 2000	5.9	1223	68.1	8.2		4601.2

* Values Exceed Upper Control Limit

6MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW37

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.0	1268	70.7	8.1		4600.4
17 JAN 2000	5.1	1273	70.4	8.1		4598.1
03 FEB 2000	5.0	1276	71.1	8.1		4604.9
15 FEB 2000	5.1	1270	72.9	8.0		4601.0
01 MAR 2000	5.2	1275	73.1	8.3		4598.9
15 MAR 2000	5.1	1276	71.2	8.2		4598.9
27 MAR 2000	5.0	1267	65.9	8.3		4583.4
11 APR 2000	5.2	1203	47.8	8.7		4577.6
26 APR 2000	5.1	1221	54.9	8.3		4579.4
09 MAY 2000	5.3	1256	62.7	8.4		4574.6
23 MAY 2000	5.3	1221	49.9	8.6		4569.6
06 JUN 2000	5.8	1250	58.2	8.5		4571.9
21 JUN 2000	5.7	1255	65.3	8.4		4573.2

* Values Exceed Upper Control Limit

6MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW38 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.0	1340	71.2	8.1		4604.4
18 JAN 2000	4.9	1333	68.0	8.1		4599.6
02 FEB 2000	4.9	1353	69.7	8.1		4604.2
15 FEB 2000	5.0	1337	70.3	8.1		4603.5
29 FEB 2000	5.1	1336	68.6	8.1		4605.0
14 MAR 2000	4.9	1348	70.0	8.2		4610.1
28 MAR 2000	4.9	1343	69.1	8.1		4604.[illegible]
10 APR 2000	4.9	1341	71.9	8.1		4597.7
26 APR 2000	4.9	1338	68.1	8.1		4601.4
08 MAY 2000	4.9	1337	67.3	8.2		4599.7
22 MAY 2000	4.7	1352	67.3	8.2		4595.4
05 JUN 2000	4.9	1352	66.6	8.2		4596.4
21 JUN 2000	5.1	1356	70.7	8.2		4598.9

* Values Exceed Upper Control Limit 6MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW39 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.1	1253	66.8	8.3		4595.1
17 JAN 2000	5.2	1267	66.9	8.2		4593.9
02 FEB 2000	5.4	1263	61.1	8.5		4599.1
15 FEB 2000	5.1	1253	64.7	8.2		4596.4
01 MAR 2000	5.2	1262	69.3	8.4		4594.2
15 MAR 2000	5.2	1257	67.5	8.4		4591.6
27 MAR 2000	5.2	1274	69.0	8.3		4582.3
11 APR 2000	5.1	1260	67.6	8.5		4577.5
26 APR 2000	5.1	1257	65.4	8.3		4577.9
09 MAY 2000	5.4	1265	65.1	8.4		4573.9
23 MAY 2000	5.4	1274	65.6	8.4		4569.4
06 JUN 2000	5.7	1278	66.2	8.4		4570.9
21 JUN 2000	5.6	1264	65.9	8.5		4571.9

* Values Exceed Upper Control Limit 6MW39

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW40

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.1	1349	69.2	8.1		4602.8
18 JAN 2000	4.9	1348	66.3	8.1		4598.0
02 FEB 2000	4.9	1365	67.1	8.2		4602.3
15 FEB 2000	5.0	1347	71.5	8.1		4601.4
29 FEB 2000	5.2	1347	70.6	8.2		4604.1
14 MAR 2000	5.1	1357	69.8	8.2		4607.4
28 MAR 2000	4.9	1353	66.9	8.1		4601
10 APR 2000	4.9	1353	66.4	8.2		4594.8
26 APR 2000	4.6	1362	63.6	8.4		4598.1
08 MAY 2000	4.9	1350	65.5	8.2		4596.8
22 MAY 2000	4.8	1364	65.2	8.2		4592.2
05 JUN 2000	5.1	1365	67.7	8.3		4593.2
21 JUN 2000	4.8	1371	64.1	8.3		4595.6

* Values Exceed Upper Control Limit

6MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW41

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	20	1576	95.2				
Date							
05 JAN 2000	13.1	1464	177.1	*	7.8		4592.6
17 JAN 2000	11.4	1454	169.5	*	7.9		4593.0
02 FEB 2000	12.7	1483	191.3	*	7.7		4597.9
15 FEB 2000	13.2	1492	192.6	*	7.9		4593.4
01 MAR 2000	11.8	1467	179.5	*	7.8		4591.4
15 MAR 2000	10.3	1425	160.7	*	7.8		4588.6
27 MAR 2000	8.9	1394	142.7	*	8.0		4578.7
11 APR 2000	7.6	1366	121.2	*	8.0		4575.9
26 APR 2000	6.4	1326	102.2	*	8.0		4574.7
09 MAY 2000	6.1	1323	97.4	*	8.0		4570.3
23 MAY 2000	5.7	1318	89.2		8.1		4565.9
06 JUN 2000	6.2	1314	92.1		8.1		4567.9
21 JUN 2000	6.2	1297	84.8		8.1		4568.7

* Values Exceed Upper Control Limit

6MW41

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW42 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	4.9	1340	65.4	8.1		4606.1
18 JAN 2000	4.9	1344	66.2	8.1		4602.0
02 FEB 2000	4.9	1353	65.9	8.1		4605.3
15 FEB 2000	4.9	1339	67.5	8.1		4605.0
29 FEB 2000	5.1	1348	71.0	8.0		4606.7
14 MAR 2000	4.9	1362	66.8	8.2		4606.6
28 MAR 2000	5.0	1348	68.4	8.0		4601
10 APR 2000	5.0	1346	68.3	8.0		4594.7
26 APR 2000	5.2	1354	65.4	8.2		4597.1
08 MAY 2000	5.2	1345	66.7	8.1		4596.3
22 MAY 2000	4.9	1358	65.8	8.2		4591.5
05 JUN 2000	5.3	1361	65.7	8.2		4592.4
20 JUN 2000	5.1	1369	65.0	8.2		4594.4

* Values Exceed Upper Control Limit 6MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW43

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.5	1273	78.1	8.1		4591.1
17 JAN 2000	5.3	1283	73.8	8.1		4591.8
02 FEB 2000	5.5	1265	75.4	8.0		4595.2
15 FEB 2000	5.8	1279	80.4	8.0		4592.5
01 MAR 2000	5.8	1281	81.4	8.2		4589.9
15 MAR 2000	5.5	1275	75.4	8.1		4587.1
27 MAR 2000	5.2	1290	75.8	8.1		4578.0
11 APR 2000	5.3	1274	75.8	8.3		4575.1
26 APR 2000	5.3	1278	72.8	8.3		4573.3
09 MAY 2000	5.4	1288	72.2	8.2		4568.8
23 MAY 2000	5.3	1297	72.3	8.3		4564.5
06 JUN 2000	5.6	1298	71.5	8.2		4566.6
21 JUN 2000	5.4	1287	71.9	8.3		4567.1

* Values Exceed Upper Control Limit

6MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW44 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	4.9	1355	64.9	8.1		4607.1
18 JAN 2000	5.1	1364	68.0	8.2		4603.0
02 FEB 2000	5.0	1345	68.6	8.1		4606.5
16 FEB 2000	4.9	1361	66.3	8.1		4605.1
29 FEB 2000	5.3	1362	70.5	8.2		4606.9
15 MAR 2000	4.9	1373	68.5	8.2		4604.4
28 MAR 2000	5.2	1361	71.8	8.3		4598
11 APR 2000	5.0	1356	69.4	8.2		4590.1
26 APR 2000	4.9	1364	65.4	8.3		4594.0
09 MAY 2000	5.2	1345	67.6	8.2		4592.7
23 MAY 2000	5.6	1349	65.5	8.3		4587.7
06 JUN 2000	5.1	1369	67.2	8.3		4589.0
20 JUN 2000	5.1	1363	65.6	8.2		4591.0

* Values Exceed Upper Control Limit 6MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW45 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	7.3	1273	76.4	8.1		4590.1
17 JAN 2000	7.4	1287	75.9	8.1		4590.1
03 FEB 2000	7.7	1287	78.9	8.1		4593.2
15 FEB 2000	8.1	1279	81.9	8.0		4590.1
01 MAR 2000	8.1	1289	82.5	8.2		4587.6
15 MAR 2000	8.3	1280	87.8	8.1		4586.1
27 MAR 2000	8.2	1297	82.6	8.1		4580.6
11 APR 2000	8.0	1278	81.1	8.2		4574.1
26 APR 2000	8.0	1286	80.6	8.2		4572.1
09 MAY 2000	8.1	1290	78.6	8.1		4568.1
23 MAY 2000	7.5	1297	76.8	8.2		4563.9
06 JUN 2000	7.6	1299	76.5	8.2		4566.1
21 JUN 2000	7.8	1285	74.9	8.2		4565.8

* Values Exceed Upper Control Limit 6MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW46

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	20.6	2427	89.2				
Date							
04 JAN 2000	8.6	1522	96.4	*	8.0		4608.0
18 JAN 2000	9.7	1538	104.9	*	8.0		4603.0
02 FEB 2000	11.3	1535	119.2	*	7.9		4607.4
16 FEB 2000	12.4	1571	128.5	*	7.9		4605.1
29 FEB 2000	13.9	1591	145.2	*	7.8		4607.0
15 MAR 2000	13.6	1595	141.1	*	7.8		4602.7
28 MAR 2000	11.4	1558	120.2	*	7.8		4595.[illegible]
11 APR 2000	10.2	1526	111.0	*	7.9		4588.0
26 APR 2000	10.5	1538	115.0	*	7.9		4591.4
09 MAY 2000	10.6	1530	111.7	*	7.8		4589.6
23 MAY 2000	9.8	1513	100.6	*	7.9		4584.7
06 JUN 2000	9.3	1519	99.1	*	7.9		4586.1
20 JUN 2000	9.2	1524	99.3	*	7.8		4588.3

* Values Exceed Upper Control Limit

6MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW47

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.5	1262	73.8	8.1		4591.5
17 JAN 2000	5.5	1277	71.1	8.1		4589.5
03 FEB 2000	5.3	1277	72.3	8.2		4593.4
15 FEB 2000	5.8	1272	75.1	8.0		4591.4
01 MAR 2000	5.9	1270	78.4	8.2		4589.6
15 MAR 2000	5.6	1276	73.3	8.2		4587.8
27 MAR 2000	5.5	1281	71.3	8.2		4577.3
11 APR 2000	5.6	1266	72.5	8.3		4574.1
26 APR 2000	5.2	1266	69.6	8.3		4573.4
09 MAY 2000	5.7	1272	69.9	8.2		4568.8
23 MAY 2000	5.5	1278	70.0	8.3		4564.3
06 JUN 2000	5.6	1279	69.6	8.3		4567.0
21 JUN 2000	5.9	1267	69.5	8.4		4567.5

* Values Exceed Upper Control Limit

6MW47

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW48-3

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	20	1576	95.2				
Date							
04 JAN 2000	6.5	1324	76.1		8.2		4610.4
18 JAN 2000	6.9	1332	79.7		8.2		4605.1
02 FEB 2000	7.0	1333	83.7		8.1		4610.7
16 FEB 2000	7.0	1319	83.8		8.2		4607.3
29 FEB 2000	7.3	1311	88.2		8.3		4609.5
15 MAR 2000	7.4	1325	90.5		8.4		4603.7
28 MAR 2000	7.3	1321	87.2		8.3		4595
11 APR 2000	8.0	1352	97.1	*	8.3		4587.4
26 APR 2000	8.7	1359	98.4	*	8.3		4590.9
09 MAY 2000	9.4	1348	103.0	*	8.2		4588.3
23 MAY 2000	10.1	1384	111.5	*	8.3		4583.3
06 JUN 2000	10.2	1407	114.0	*	8.2		4584.2
20 JUN 2000	10.4	1433	117.2	*	8.1		4587.5

* Values Exceed Upper Control Limit

6MW48-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW49

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.8	1268	79.0	8.1		4594.8
18 JAN 2000	5.3	1289	74.8	8.1		4590.6
02 FEB 2000	5.4	1290	77.1	8.1		4593.7
15 FEB 2000	5.4	1281	77.5	8.0		4593.2
01 MAR 2000	5.5	1282	80.2	8.2		4591.8
15 MAR 2000	5.4	1284	78.5	8.1		4590.6
27 MAR 2000	5.6	1287	77.9	8.2		4583.5
11 APR 2000	5.4	1272	75.6	8.2		4574.6
26 APR 2000	5.3	1277	70.8	8.3		4575.1
09 MAY 2000	5.4	1280	71.0	8.2		4569.7
23 MAY 2000	5.6	1286	71.1	8.3		4565.1
06 JUN 2000	5.7	1288	71.3	8.2		4568.6
21 JUN 2000	6.2	1281	74.4	8.3		4569.1

* Values Exceed Upper Control Limit

6MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW50 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.4	1257	68.2	8.1		4609.4
18 JAN 2000	5.4	1263	69.3	8.1		4603.7
02 FEB 2000	5.5	1248	70.0	8.1		4608.7
16 FEB 2000	5.5	1262	71.0	8.0		4605.8
29 FEB 2000	6.0	1262	73.0	8.2		4608.6
15 MAR 2000	6.0	1270	70.6	8.1		4602.5
28 MAR 2000	5.9	1265	70.8	8.2		4593
11 APR 2000	5.6	1268	71.9	8.2		4586.4
26 APR 2000	5.9	1274	73.0	8.3		4590.1
09 MAY 2000	5.8	1257	74.4	8.2		4587.4
23 MAY 2000	5.7	1267	69.6	8.3		4581.3
06 JUN 2000	5.7	1289	69.5	8.2		4584.2
20 JUN 2000	5.6	1286	69.7	8.2		4585.8

* Values Exceed Upper Control Limit 6MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW51

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.5	1274	69.0	8.0		4593.9
18 JAN 2000	5.4	1287	72.7	8.1		4589.8
02 FEB 2000	5.2	1269	69.7	8.0		4592.4
15 FEB 2000	5.4	1280	69.7	8.0		4592.9
01 MAR 2000	5.4	1280	73.1	8.2		4592.0
15 MAR 2000	5.2	1283	70.8	8.1		4590.6
27 MAR 2000	5.2	1295	71.2	8.2		4578.8
11 APR 2000	5.3	1283	71.4	8.1		4575.2
26 APR 2000	5.2	1290	68.1	8.2		4576.3
09 MAY 2000	5.3	1290	67.9	8.1		4571.4
23 MAY 2000	5.3	1298	68.7	8.2		4567.0
06 JUN 2000	5.6	1301	68.9	8.2		4569.5
21 JUN 2000	5.6	1292	67.8	8.2		4570.2

* Values Exceed Upper Control Limit

6MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW52 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.5	1234	66.7	8.2		4605.0
18 JAN 2000	5.5	1244	65.7	8.3		4598.8
02 FEB 2000	5.5	1229	68.1	8.2		4602.4
16 FEB 2000	5.5	1242	68.3	8.2		4601.5
29 FEB 2000	5.9	1236	71.4	8.4		4603.9
15 MAR 2000	5.8	1253	68.9	8.3		4600.0
28 MAR 2000	5.6	1250	67.7	8.4		4590
11 APR 2000	5.4	1244	71.2	8.5		4583.6
26 APR 2000	5.7	1231	68.6	8.5		4586.1
09 MAY 2000	6.1	1225	66.9	8.4		4584.5
23 MAY 2000	6.3	1233	73.3	8.4		4578.9
06 JUN 2000	5.9	1249	70.0	8.4		4580.4
20 JUN 2000	6.0	1246	71.2	8.5		4581.5

* Values Exceed Upper Control Limit

6MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW53

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.9	1192	65.9	8.3		4593.4
18 JAN 2000	5.9	1203	64.1	8.4		4590.0
02 FEB 2000	5.9	1193	68.2	8.4		4592.8
15 FEB 2000	6.3	1201	71.8	8.2		4593.1
01 MAR 2000	5.9	1204	69.3	8.4		4592.9
15 MAR 2000	5.9	1205	67.7	8.3		4590.8
27 MAR 2000	5.8	1213	65.7	8.5		4582.9
11 APR 2000	5.9	1196	67.1	8.6		4577.8
26 APR 2000	5.9	1196	66.2	8.7		4579.8
09 MAY 2000	5.9	1205	66.5	8.4		4575.9
23 MAY 2000	6.1	1215	68.6	8.5		4571.8
06 JUN 2000	6.2	1217	68.2	8.5		4573.0
21 JUN 2000	6.6	1212	68.4	8.9		4573.3

* Values Exceed Upper Control Limit

6MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE MONITOR WELL

Well I.D. 6MW54 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	5.5	1231	67.1	8.2		4600.7
18 JAN 2000	5.6	1241	67.2	8.2		4595.5
02 FEB 2000	5.5	1225	67.8	8.1		4598.4
16 FEB 2000	5.6	1240	68.6	8.2		4599.2
29 FEB 2000	5.9	1233	71.2	8.4		4600.2
15 MAR 2000	5.5	1251	69.4	8.3		4597.7
28 MAR 2000	5.4	1239	66.2	8.4		4588
11 APR 2000	5.4	1235	66.2	8.4		4581.0
26 APR 2000	5.5	1231	63.1	8.4		4583.7
09 MAY 2000	5.9	1218	63.1	8.4		4580.6
23 MAY 2000	5.7	1224	64.4	8.4		4575.7
06 JUN 2000	5.9	1246	64.3	8.3		4578.0
20 JUN 2000	5.9	1243	66.2	8.4		4578.7

* Values Exceed Upper Control Limit

6MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH

INTERIOR SHALLOW SAND MONITOR WELLS

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW-11S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
10 JAN 2000	6.6	1199	108.3	8.0		4652.7
24 JAN 2000	6.6	1206	107.7	8.2		4652.6
08 FEB 2000	7.0	1200	115.1	8.0		4652.2
23 FEB 2000	6.6	1196	109.4	8.1		4653.0
07 MAR 2000	6.6	1213	108.5	8.1		4652.9
21 MAR 2000	6.6	1205	109.6	8.1		4653.0
03 APR 2000	6.7	1193	110.9	8.2		4652.8
17 APR 2000	6.6	1190	109.9	8.1		4653.1
01 MAY 2000	6.5	1201	105.2	8.1		4653.1
12 JUN 2000	6.8	1218	107.8	8.2		4652.9

* Values Exceed Upper Control Limit

MW-11S

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW46S 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.5	1087	184.4			

Date								
18 JAN 2000	12.6		1907	*	126.8	7.9		4551.8
14 FEB 2000	12.9		1917	*	137.7	7.9		4551.8
20 MAR 2000	13.7	*	1913	*	138.8	8.0	-1	4551.6
22 MAR 2000	13.2		1858	*	140.4	7.9	-1	4537.0
24 MAR 2000	12.9		1832	*	144.6	7.8	-1	4551.6
25 APR 2000	12.8		1867	*	129.8	8.0		4552.6
11 MAY 2000	13.2		1891	*	131.0	8.0		4552.[illegible]
12 JUN 2000	13.5		1887	*	130.0	8.0		4551.[illegible]

* Values Exceed Upper Control Limit MW46S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW48S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			

Date						
18 JAN 2000	9.4	1847	*	118.4	7.9	4554.5
14 FEB 2000	9.2	1866	*	121.3	7.9	4554.5
20 MAR 2000	9.6	1841	*	122.4	7.9	4554.5
25 APR 2000	9.5	1831	*	118.6	7.9	4554.9
11 MAY 2000	9.8	1844	*	120.5	7.9	4554.5
12 JUN 2000	9.9	1849	*	119.6	7.9	4554.8

* Values Exceed Upper Control Limit

MW48S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW50S 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
18 JAN 2000	8.7	1341	148.7	8.0		4556.3
14 FEB 2000	9.0	1355	156.5	8.0		4556.3
21 MAR 2000	9.0	1344	155.6	8.0		4556.2
25 APR 2000	9.3	1335	147.4	8.1		4556.9
11 MAY 2000	9.2	1350	143.4	8.0		4556.3
12 JUN 2000	9.3	1349	146.9	7.9		4556.2

* Values Exceed Upper Control Limit

MW50S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW52S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
19 JAN 2000	7.3	1428	98.0	8.1		4548.5
15 FEB 2000	7.6	1390	99.6	8.0		4548.5
21 MAR 2000	7.0	1407	97.9	8.1		4548.4
25 APR 2000	7.3	1415	97.8	8.2		4548.9
10 MAY 2000	7.4	1455	106.6	8.2		4548.5
12 JUN 2000	7.1	1432	104.2	8.2		4548.4

* Values Exceed Upper Control Limit

MW52S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW54S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
18 JAN 2000	7.3	1486	122.9	7.9		4559.4
14 FEB 2000	8.0	1392	114.4	7.8		4557.7
21 MAR 2000	7.3	1480	120.4	8.1		4557.7
25 APR 2000	7.0	1474	112.6	8.1		4559.7
11 MAY 2000	7.1	1474	110.9	8.1		4559.5
12 JUN 2000	7.3	1491	116.8	8.1		4559.6

* Values Exceed Upper Control Limit

MW54S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW56S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.5	1087	184.4			
Date						
19 JAN 2000	5.9	945	134.0	8.2		4558.0
15 FEB 2000	6.3	933	136.0	8.3		4558.0
21 MAR 2000	6.0	923	136.7	8.4		4558.2
25 APR 2000	6.4	937	131.7	8.4		4557.7
10 MAY 2000	6.2	945	133.1	8.3		4557.6
13 JUN 2000	6.4	923	132.4	8.4		4557.5

* Values Exceed Upper Control Limit

MW56S

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW58S 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.5	1087	184.4			
Date						
19 JAN 2000	7.0	975	117.6	8.6		4566.4
15 FEB 2000	7.2	973	120.9	8.6		4566.3
21 MAR 2000	7.0	972	122.4	8.6		4566.3
25 APR 2000	7.5	971	117.7	8.7		4566.9
10 MAY 2000	7.3	988	120.0	8.6		4565.8
13 JUN 2000	7.4	977	118.7	8.6		4566.9

* Values Exceed Upper Control Limit

MW58S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW66S-2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.2	1775	268.3			
Date						
18 JAN 2000	7.2	1495	116.0	7.9		4572.7
15 FEB 2000	7.3	1492	122.9	7.9		4572.9
21 MAR 2000	7.7	1481	116.2	7.9		4573.0
25 APR 2000	8.1	1479	112.1	8.1		4572.6
10 MAY 2000	7.3	1493	110.5	8.1		4572.9
13 JUN 2000	7.5	1470	109.5	8.0		4572.8

* Values Exceed Upper Control Limit MW66S-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW68S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.5	3560	304			
Date						
10 JAN 2000	14.9	2231	180.2	7.6		4575.5
07 FEB 2000	16.2	2220	189.1	7.5		4575.4
07 MAR 2000	15.9	2216	188.3	7.5		4575.0
10 APR 2000	15.5	2206	185.6	7.5		4575.4
16 MAY 2000	16.1	2224	182.4	7.6		4575.4
27 JUN 2000	16.3	2239	183.9	7.6		4575.5

* Values Exceed Upper Control Limit

MW68S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW70S 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
10 JAN 2000	10.5	1759	54.9	10.7	-1	4560.9
07 FEB 2000	10.5	1777	52.8	10.7	-1	4559.8
07 MAR 2000	10.9	1818	66.1	10.7	-1	4559.7
10 APR 2000	10.7	1713	58.2	10.5	-1	4556.0
16 MAY 2000	10.5	1780	61.8	10.7	-1	4561.1
27 JUN 2000	10.4	1758	58.8	10.7	-1	4561.3

* Values Exceed Upper Control Limit MW70S

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW72S 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
10 JAN 2000	12.0	2139	158.6	7.8	-1	4566.7
07 FEB 2000	11.8	2148	147.1	7.8	-1	4567.1
07 MAR 2000	12.2	2151	150.8	7.8	-1	4567.0
10 APR 2000	11.9	2142	148.9	7.8	-1	4567.6
16 MAY 2000	12.1	2136	144.7	7.9	-1	4568.0
26 JUN 2000	12.0	2183	146.1	7.9	-1	4567.3

* Values Exceed Upper Control Limit

MW72S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW98S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
10 JAN 2000	12.8	2624	162.1	7.6	-1	4558.8
07 FEB 2000	12.8	2647	169.3	7.6	-1	4558.7
07 MAR 2000	13.0	2660	167.6	7.5	-1	4559.4
10 APR 2000	12.9	2622	167.2	7.5	-1	4559.2
16 MAY 2000	13.3	2634	161.1	7.6	-1	4558.9
27 JUN 2000	13.0	2648	161.6	7.7	-1	4558.6

* Values Exceed Upper Control Limit

MW98S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW100S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	23.5	3560	304			
Date						
10 JAN 2000	12.6	2555	163.3	7.5		4556.4
07 FEB 2000	12.6	2583	163.9	7.4		4556.0
07 MAR 2000	12.8	2597	170.2	7.4		4556.1
10 APR 2000	12.8	2592	170.8	7.5		4556.1
16 MAY 2000	12.9	2578	161.1	7.4		4556.3
27 JUN 2000	12.6	2600	162.2	7.6		4555.9

* Values Exceed Upper Control Limit

MW100S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW112S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			
Date						
10 JAN 2000	12.8	3823	486.6	11.4	-1	4554.0
07 FEB 2000	13.0	3801	476.6	11.2	-1	4553.9
07 MAR 2000	12.9	3671	454.0	11.2	-1	4554.3
10 APR 2000	13.6	3641	459.6	11.2	-1	4554.0
16 MAY 2000	11.8	4014	548.4	11.4	-1	4553.0
26 JUN 2000	13.3	4164	658.6	11.6	-1	4553.8

* Values Exceed Upper Control Limit

MW112S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. MW117S

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.6	768	144.5			
Date						
10 JAN 2000	8.3	728	136.6	8.4		4536.6
07 FEB 2000	7.9	734	130.0	8.1		4536.0
07 MAR 2000	7.8	734	132.5	8.3		4535.8
10 APR 2000	8.0	719	134.9	8.4		4536.1
16 MAY 2000	7.9	736	131.0	8.2		4536.6
27 JUN 2000	7.7	738	130.2	8.4		4536.3

* Values Exceed Upper Control Limit

MW117S

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 4SM-1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	8.8	1570	142.7			
Date						
12 JAN 2000	6.5	1134	93.8	8.0		4610.5
17 FEB 2000	6.6	1124	96.0	8.1		4610.6
22 MAR 2000	6.6	1149	92.6	8.3		4610.5
12 APR 2000	6.6	1143	92.9	8.3		4610.5
16 MAY 2000	6.4	1137	89.8	8.2		4610.7
14 JUN 2000	6.4	1149	89.1	8.2		4610.5

* Values Exceed Upper Control Limit

4SM-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 4SM-4 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	8.8	1570	142.7			
Date						
12 JAN 2000	6.6	1091	107.4	7.6		4597.9
17 FEB 2000	7.0	1079	110.7	7.8		4597.9
22 MAR 2000	7.0	1082	109.8	7.9		4597.9
12 APR 2000	6.7	1082	103.6	8.0		4597.7
16 MAY 2000	6.5	1065	98.9	7.7		4597.9
14 JUN 2000	6.4	1072	98.0	7.8		4597.7

* Values Exceed Upper Control Limit

4SM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 4SM-8

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	8.8	1570	142.7			
Date						
12 JAN 2000	6.6	882	118.9	8.0		4594.0
17 FEB 2000	6.5	871	119.5	8.0		4593.9
22 MAR 2000	6.6	879	119.9	8.1		4593.9
12 APR 2000	6.6	874	121.2	8.2		4593.9
16 MAY 2000	6.3	862	114.3	8.1		4594.1
14 JUN 2000	6.3	871	114.6	8.1		4593.8

* Values Exceed Upper Control Limit

4SM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 4SRM-07 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	19.4	1175	447.1			
Date						
12 JAN 2000	9.0	502	250.0	8.1		4586.6
17 FEB 2000	9.2	495	241.3	8.2		4586.8
22 MAR 2000	9.3	502	244.7	8.3		4586.6
11 APR 2000	9.1	498	241.4	8.3		4586.6
16 MAY 2000	8.8	501	232.2	8.2		4586.5
14 JUN 2000	9.1	505	236.4	8.2		4586.3

* Values Exceed Upper Control Limit 4SRM-07

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 5SM1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
11 JAN 2000	7.6	1234	91.0	8.0		4632.8
24 JAN 2000	7.3	1244	88.2	8.2		4632.8
08 FEB 2000	7.4	1238	89.7	8.1		4632.1
23 FEB 2000	7.6	1238	91.9	8.2		4632.6
08 MAR 2000	7.3	1243	90.1	8.1		4632.6
21 MAR 2000	7.3	1232	92.7	8.3		4632.7
03 APR 2000	7.3	1243	91.0	8.1		4632.6
17 APR 2000	7.1	1242	90.4	8.1		4632.7
01 MAY 2000	7.4	1246	87.0	8.2		4632.7
12 JUN 2000	7.4	1228	87.9	8.1		4632.6

* Values Exceed Upper Control Limit

5SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 5SM2

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
11 JAN 2000	6.8	1179	93.6	7.9		4677.4
24 JAN 2000	6.8	1187	94.9	8.0		4677.4
08 FEB 2000	7.2	1183	96.9	7.8		4677.4
23 FEB 2000	6.9	1181	97.7	8.0		4677.7
07 MAR 2000	6.9	1190	96.6	8.0		4677.8
21 MAR 2000	6.7	1175	98.6	8.0		4677.6
03 APR 2000	7.0	1185	97.7	8.0		4677
17 APR 2000	7.0	1189	99.7	8.0		4678.0
01 MAY 2000	7.1	1190	92.7	8.0		4677.8
12 JUN 2000	7.0	1184	96.0	8.0		4681.7

* Values Exceed Upper Control Limit

5SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 5SM3 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
11 JAN 2000	7.3	1280	90.0	8.1		4677.3
24 JAN 2000	7.2	1286	86.9	8.4		4677.0
08 FEB 2000	7.2	1279	87.6	8.3		4677.1
23 FEB 2000	7.6	1284	96.4	8.1		4677.5
07 MAR 2000	7.3	1295	89.1	8.2		4677.5
21 MAR 2000	7.0	1277	88.5	8.4		4677.5
03 APR 2000	7.3	1287	88.9	8.3		4677.4
17 APR 2000	7.3	1285	88.3	8.3		4677.8
01 MAY 2000	7.5	1291	84.1	8.4		4677.7
12 JUN 2000	7.1	1280	85.7	8.5		4677.3

* Values Exceed Upper Control Limit 5SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 5SM5

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
11 JAN 2000	6.0	1371	107.4	7.7		4683.4
25 JAN 2000	6.0	1372	108.3	7.8		4683.2
08 FEB 2000	5.9	1356	105.4	7.7		4683.5
23 FEB 2000	5.9	1353	107.3	7.8		4683.6
07 MAR 2000	5.9	1360	106.2	7.9		4683.6
21 MAR 2000	6.0	1353	111.5	7.8		4683.9
04 APR 2000	6.1	1374	111.9	7.9		4683[illegible]
18 APR 2000	6.1	1353	109.9	7.7		4684.[illegible]
01 MAY 2000	6.1	1372	104.4	7.8		4683.9
13 JUN 2000	6.3	1363	106.7	7.7		4683.6

* Values Exceed Upper Control Limit

5SM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 5SM6

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
11 JAN 2000	9.8	649	178.9	8.3		4671.8
25 JAN 2000	9.3	654	180.1	8.4		4671.6
08 FEB 2000	9.1	641	173.5	8.3		4671.5
23 FEB 2000	9.5	644	188.2	8.4		4671.8
07 MAR 2000	9.3	658	183.1	8.4		4671.8
21 MAR 2000	9.4	639	190.1	8.5		4671.8
04 APR 2000	9.3	655	186.4	8.5		4672.2
18 APR 2000	9.5	648	186.9	8.3		4672.3
02 MAY 2000	9.5	662	179.0	8.7		4671.2
13 JUN 2000	9.9	657	177.7	8.4		4670.1

* Values Exceed Upper Control Limit

5SM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 5SM7 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
11 JAN 2000	7.9	1364	143.2	8.0		4668.8
25 JAN 2000	8.1	1375	144.5	8.0		4668.6
09 FEB 2000	7.9	1363	144.2	8.0		4668.7
24 FEB 2000	7.8	1356	146.7	8.0		4668.7
08 MAR 2000	8.0	1368	147.5	8.0		4668.9
22 MAR 2000	7.9	1368	148.0	8.1		4668.7
04 APR 2000	8.1	1377	151.6	8.2		4669
18 APR 2000	8.1	1376	147.5	7.9		4669.2
02 MAY 2000	8.1	1386	139.9	8.1		4668.9
13 JUN 2000	8.1	1298	146.2	8.0		4668.3

* Values Exceed Upper Control Limit 5SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. WCOW-04

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.1	2922	316.6			
Date						
10 JAN 2000	6.5	975	102.7	8.1		4654.3
24 JAN 2000	6.2	973	103.2	8.3		4654.4
08 FEB 2000	6.5	969	106.7	8.1		4654.0
23 FEB 2000	6.2	972	104.8	8.2		4654.5
08 MAR 2000	6.3	976	106.2	8.2		4654.6
21 MAR 2000	6.4	968	108.0	8.3		4654.6
03 APR 2000	6.3	969	106.0	8.4		4654.2
17 APR 2000	6.3	971	107.3	8.3		4654.7
01 MAY 2000	6.5	975	101.9	8.3		4654.8
12 JUN 2000	6.3	975	102.4	8.2		4654.7

* Values Exceed Upper Control Limit

WCOW-04

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
05 JAN 2000	7.6	1125	103.9	8.3		4704.0
17 JAN 2000	7.3	1163	101.0	8.2		4703.9
03 FEB 2000	7.3	1121	99.6	8.4		4704.2
15 FEB 2000	6.7	1091	95.7	8.3		4704.1
01 MAR 2000	6.7	1128	103.0	8.3		4704.1
15 MAR 2000	7.0	1161	107.2	8.3		4704.1
27 MAR 2000	7.3	1191	105.5	8.3		4704.[illegible]
11 APR 2000	7.3	1163	100.6	8.3		4704.2
26 APR 2000	7.7	1126	105.6	8.3		4704.0
09 MAY 2000	9.7	1309	108.3	8.1		4704.2
23 MAY 2000	8.0	1214	102.5	8.3		4703.8
06 JUN 2000	7.6	1172	99.4	8.3		4703.6
21 JUN 2000	7.8	1162	98.3	8.5		4703.5

* Values Exceed Upper Control Limit

6SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM2

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
05 JAN 2000	8.0	1973	85.3	7.8		4707.7
17 JAN 2000	8.3	1969	86.7	7.8		4707.6
03 FEB 2000	8.2	1967	88.1	7.9		4707.8
16 FEB 2000	8.1	1973	87.0	7.8		4707.6
01 MAR 2000	7.9	1980	85.8	7.9		4707.7
15 MAR 2000	7.7	1998	86.0	7.8		4707.7
27 MAR 2000	7.8	1988	85.5	7.9		4707.7
11 APR 2000	7.7	1988	85.2	7.9		4707.9
26 APR 2000	8.0	1925	83.4	8.0		4707.8
09 MAY 2000	8.3	1978	82.7	7.8		4707.8
23 MAY 2000	8.0	1994	82.6	7.9		4707.8
06 JUN 2000	8.1	1994	83.4	7.9		4707.5
21 JUN 2000	7.9	1982	83.2	8.0		4707.5

* Values Exceed Upper Control Limit

6SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM3 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
05 JAN 2000	7.9	1964	67.5	7.8		4716.0
17 JAN 2000	8.0	1977	67.5	7.8		4716.2
03 FEB 2000	7.9	1960	53.9	8.0		4716.1
16 FEB 2000	7.9	1955	64.8	7.8		4716.3
01 MAR 2000	7.9	2009	69.9	7.8		4716.0
15 MAR 2000	8.0	1997	70.7	7.9		4716.4
27 MAR 2000	8.2	1990	72.1	7.9		4716
11 APR 2000	8.3	1977	67.1	7.9		4716.4
26 APR 2000	8.0	1963	67.1	8.0		4716.5
09 MAY 2000	8.2	1988	65.6	7.8		4716.6
23 MAY 2000	8.1	1997	66.2	7.9		4716.6
06 JUN 2000	8.1	1993	66.9	7.9		4716.5
21 JUN 2000	8.3	2027	70.2	7.9		4716.5

* Values Exceed Upper Control Limit 6SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM4 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
05 JAN 2000	7.3	1594	56.6	8.3		4716.4
17 JAN 2000	6.6	1604	57.9	8.2		4716.5
03 FEB 2000	6.9	1585	50.5	8.4		4716.6
16 FEB 2000	6.8	1589	54.3	8.3		4716.7
01 MAR 2000	6.6	1606	56.9	8.2		4716.9
15 MAR 2000	6.6	1612	57.9	8.2		4716.7
27 MAR 2000	6.7	1628	61.6	8.3		4716.9
11 APR 2000	6.7	1608	55.0	8.3		4716.9
26 APR 2000	6.6	1597	63.7	8.4		4716.8
09 MAY 2000	6.8	1601	49.4	8.4		4716.9
23 MAY 2000	6.9	1607	58.2	8.4		4717.2
06 JUN 2000	6.7	1628	56.9	8.3		4716.8
21 JUN 2000	6.7	1650	72.1	8.3		4716.9

* Values Exceed Upper Control Limit 6SM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM5 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
05 JAN 2000	7.5	1608	91.3	7.9		4712.3
18 JAN 2000	7.6	1606	93.7	8.0		4712.5
03 FEB 2000	7.6	1601	91.6	8.0		4712.6
16 FEB 2000	7.8	1606	95.7	7.9		4712.5
01 MAR 2000	8.0	1607	97.8	8.0		4712.6
15 MAR 2000	7.6	1623	93.8	8.0		4712.6
28 MAR 2000	8.1	1608	100.1	7.9		4712[illegible]
11 APR 2000	7.7	1611	95.1	8.0		4712.[illegible]
26 APR 2000	7.7	1597	98.5	8.1		4712.6
09 MAY 2000	8.0	1591	94.1	8.1		4712.5
23 MAY 2000	7.8	1590	91.5	8.1		4712.8
06 JUN 2000	7.5	1602	90.2	8.0		4712.0
20 JUN 2000	7.6	1617	91.1	8.0		4711.8

* Values Exceed Upper Control Limit 6SM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM6

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
05 JAN 2000	11.7	501	244.6	8.2		4694.5
18 JAN 2000	11.8	504	246.2	8.3		4694.4
03 FEB 2000	11.8	498	244.6	8.3		4693.9
16 FEB 2000	11.6	501	246.5	8.2		4693.8
01 MAR 2000	11.8	505	246.9	8.3		4693.8
15 MAR 2000	11.8	506	250.4	8.3		4693.8
28 MAR 2000	11.7	503	250.1	8.3		4694.2
11 APR 2000	11.8	505	249.4	8.3		4694.3
26 APR 2000	11.8	496	243.0	8.3		4694.2
09 MAY 2000	12.3	500	241.9	8.4		4694.0
23 MAY 2000	11.5	501	241.5	8.4		4693.9
06 JUN 2000	11.6	509	245.2	8.3		4693.6
20 JUN 2000	11.8	505	246.6	8.3		4693.4

* Values Exceed Upper Control Limit

6SM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM7 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	25.6	889	330			
Date						
05 JAN 2000	11.2	496	242.6	8.3		4694.4
18 JAN 2000	11.2	499	244.7	8.3		4694.4
03 FEB 2000	11.3	490	243.0	8.4		4693.7
16 FEB 2000	11.3	501	248.8	8.2		4693.4
01 MAR 2000	11.5	502	249.7	8.4		4693.7
15 MAR 2000	11.5	504	251.8	8.4		4693.6
28 MAR 2000	11.2	501	249.8	8.3		4693.[illegible]
11 APR 2000	11.5	499	249.1	8.3		4694.4
26 APR 2000	11.4	494	252.2	8.4		4694.3
09 MAY 2000	11.6	494	247.8	8.5		4693.9
23 MAY 2000	11.2	493	240.1	8.5		4693.8
06 JUN 2000	11.1	502	241.2	8.4		4693.4
20 JUN 2000	11.4	498	239.7	8.3		4693.3

* Values Exceed Upper Control Limit

6SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM8 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
04 JAN 2000	10.1	2232	51.7	7.7		4731.8
18 JAN 2000	9.9	2252	54.9	7.8		4731.8
02 FEB 2000	10.1	2248	54.2	7.7		4731.8
16 FEB 2000	10.2	2252	51.5	7.6		4732.1
29 FEB 2000	10.4	2252	52.3	7.7		4731.9
15 MAR 2000	10.1	2246	51.3	7.8		4732.1
28 MAR 2000	10.1	2246	51.5	7.7		4732.0
11 APR 2000	10.3	2247	51.5	7.8		4731.9
26 APR 2000	10.2	2230	50.7	7.5		4731.8
09 MAY 2000	10.4	2238	50.4	7.9		4731.8
23 MAY 2000	10.4	2226	52.2	8.0		4731.9
06 JUN 2000	10.1	2251	50.7	8.0		4731.7
20 JUN 2000	10.5	2253	51.9	7.9		4731.7

* Values Exceed Upper Control Limit 6SM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM9 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
04 JAN 2000	9.4	2142	14.4	9.5		4732.8
18 JAN 2000	9.5	2164	21.8	9.9		4732.8
02 FEB 2000	9.5	2202	18.1	9.8		4732.8
16 FEB 2000	9.6	2211	26.2	9.9		4732.9
29 FEB 2000	9.7	2205	21.1	9.8		4733.1
15 MAR 2000	9.2	2227	16.9	10.0		4733.1
28 MAR 2000	9.6	2221	18.0	9.7		4732.[illegible]
11 APR 2000	9.7	2189	14.1	9.4		4732.[illegible]
26 APR 2000	9.5	2160	17.2	9.9		4732.6
09 MAY 2000	9.6	2148	22.5	10.0		4732.8
23 MAY 2000	9.7	2137	20.4	9.7		4732.6
06 JUN 2000	9.3	2138	17.1	9.5		4732.3
20 JUN 2000	9.6	2148	16.7	9.5		4732.2

* Values Exceed Upper Control Limit 6SM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM10

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	25.6	889	330			
Date						
04 JAN 2000	10.5	665	235.9	8.5		4688.0
18 JAN 2000	10.7	673	235.3	8.5		4688.3
03 FEB 2000	10.5	684	236.0	8.5		4688.3
15 FEB 2000	10.7	686	241.1	8.4		4688.0
29 FEB 2000	10.7	699	239.6	8.4		4688.1
14 MAR 2000	10.7	695	244.3	8.5		4688.3
28 MAR 2000	10.3	708	248.1	8.4		4688.5
11 APR 2000	10.4	713	241.0	8.4		4688.4
26 APR 2000	10.5	704	236.0	8.5		4688.5
09 MAY 2000	10.8	703	236.7	8.4		4689.3
23 MAY 2000	10.5	720	239.5	8.4		4688.3
06 JUN 2000	10.7	740	239.4	8.5		4687.9
21 JUN 2000	10.6	727	231.2	8.5		4686.4

* Values Exceed Upper Control Limit

6SM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM11 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
04 JAN 2000	13.6	2613	73.4	8.4		4734.5
18 JAN 2000	13.8	2578	70.2	8.5		4733.9
03 FEB 2000	13.5	2593	65.5	8.5		4734.6
15 FEB 2000	13.9	2598	72.1	8.4		4734.2
29 FEB 2000	13.1	2611	63.8	8.3		4734.5
14 MAR 2000	13.3	2604	70.6	8.4		4733.8
28 MAR 2000	13.2	2613	69.3	8.2		4733.[illegible]
10 APR 2000	13.1	2601	68.5	8.2		4733.[illegible]
26 APR 2000	13.3	2595	66.0	8.3		4732.7
08 MAY 2000	13.5	2598	65.6	8.3		4732.8
22 MAY 2000	13.1	2612	66.0	8.2		4732.9
06 JUN 2000	13.7	2640	70.3	8.3		4732.5
20 JUN 2000	13.4	2642	76.0	8.4		4732.4

* Values Exceed Upper Control Limit 6SM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM12 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2	8.5		
Date						
04 JAN 2000	12.1	2669	106.7	7.6		4732.3
18 JAN 2000	12.3	2671	104.7	7.7		4732.3
03 FEB 2000	13.1	2678	100.4	7.7		4732.5
15 FEB 2000	13.2	2684	99.1	7.7		4732.6
29 FEB 2000	12.6	2703	98.0	7.6		4732.6
14 MAR 2000	12.5	2695	100.1	7.6		4732.6
28 MAR 2000	12.7	2706	98.4	7.7		4732.3
10 APR 2000	12.6	2708	96.9	7.7		4731.8
26 APR 2000	12.4	2690	95.9	7.6		4731.6
09 MAY 2000	12.8	2642	96.4	7.8		4731.6
23 MAY 2000	12.7	2679	98.7	7.8		4731.3
06 JUN 2000	12.9	2689	95.9	7.8		4731.3
20 JUN 2000	13.0	2696	96.5	7.7		4731.3

* Values Exceed Upper Control Limit 6SM12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM13

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	24.2	3574	238.2			
Date						
04 JAN 2000	12.5	2180	71.4	7.8		4731.5
18 JAN 2000	12.1	2202	70.3	7.9		4731.8
02 FEB 2000	12.1	2205	72.0	7.8		4731.7
16 FEB 2000	12.0	2201	69.9	7.7		4731.8
29 FEB 2000	12.4	2200	71.6	7.8		4731.9
15 MAR 2000	12.8	2201	75.5	7.9		4732.0
28 MAR 2000	12.5	2203	71.0	7.8		4732.[illegible]
11 APR 2000	12.6	2201	72.6	7.8		4731.8
26 APR 2000	12.7	2218	71.4	7.7		4731.7
09 MAY 2000	12.5	2202	69.4	7.9		4731.6
23 MAY 2000	12.2	2209	70.3	7.9		4731.7
06 JUN 2000	12.2	2209	69.6	8.0		4731.5
20 JUN 2000	12.4	2206	70.7	7.9		4731.3

* Values Exceed Upper Control Limit

6SM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR SHALLOW SAND MONITOR WELL

Well I.D. 6SM14 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22	1966	289.1			
Date						
04 JAN 2000	7.3	1100	122.5	8.4		4712.7
18 JAN 2000	7.2	1099	123.2	8.5		4712.5
03 FEB 2000	7.6	1102	127.7	8.5		4712.4
15 FEB 2000	7.3	1111	125.0	8.4		4712.7
29 FEB 2000	7.6	1117	126.2	8.4		4712.8
14 MAR 2000	7.5	1108	127.5	8.5		4712.8
28 MAR 2000	7.3	1117	126.0	8.4		4713.0
10 APR 2000	7.3	1119	127.2	8.4		4712.6
26 APR 2000	7.3	1080	121.2	8.4		4712.3
09 MAY 2000	7.8	1112	124.8	8.5		4712.0
23 MAY 2000	7.0	1126	118.6	8.5		4711.8
06 JUN 2000	7.5	1124	123.6	8.5		4711.3
20 JUN 2000	7.3	1117	123.2	8.5		4711.1

* Values Exceed Upper Control Limit 6SM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH

INTERIOR DEEP SAND MONITOR WELLS

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW-12D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
10 JAN 2000	10.3	609	136.8	8.3		4608.4
24 JAN 2000	10.4	607	141.1	8.5		4608.2
08 FEB 2000	10.4	604	141.9	8.3		4607.9
23 FEB 2000	10.7	600	146.2	8.3		4608.2
07 MAR 2000	10.5	612	140.1	8.4		4608.0
21 MAR 2000	10.3	603	147.4	8.4		4608.0
03 APR 2000	10.7	606	142.0	8.5		4607.7
17 APR 2000	10.4	601	145.7	8.4		4607.9
01 MAY 2000	10.8	603	140.6	8.4		4608.1
12 JUN 2000	10.3	602	140.9	8.4		4609.0

* Values Exceed Upper Control Limit

MW-12D

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW45D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
18 JAN 2000	9.4	622	122.7	8.5		4540.9
14 FEB 2000	9.4	624	121.2	8.5		4538.9
20 MAR 2000	9.3	674	143.4	8.6		4528.3
25 APR 2000	9.6	596	132.5	8.6		4535.9
11 MAY 2000	10.1	610	123.9	8.6		4535.1
12 JUN 2000	9.6	610	125.7	8.6		4535.2

* Values Exceed Upper Control Limit

MW45D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW47D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.5			
Date						
18 JAN 2000	9.3	615	128.0	8.6		4542.2
14 FEB 2000	9.4	629	122.0	8.7		4540.0
20 MAR 2000	9.4	597	140.3	8.8		4529.4
25 APR 2000	9.2	599	131.2	8.8		4537.0
11 MAY 2000	9.7	630	126.5	8.8		4536.2
12 JUN 2000	9.7	611	127.2	8.7		4535.1

* Values Exceed Upper Control Limit

MW47D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW49D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
18 JAN 2000	9.4	619	126.3	8.5		4545.3
14 FEB 2000	9.1	620	126.6	8.5		4543.1
21 MAR 2000	9.7	622	124.9	8.6		4531.8
25 APR 2000	9.3	617	122.4	8.6		4539.0
11 MAY 2000	9.6	625	119.1	8.6		4539.0
12 JUN 2000	9.6	621	124.3	8.6		4538.5

* Values Exceed Upper Control Limit

MW49D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW51D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
19 JAN 2000	10.0	645	110.1	8.6		4538.4
15 FEB 2000	9.7	633	114.6	8.7		4538.4
21 MAR 2000	10.2	635	115.6	8.7		4534.9
25 APR 2000	10.4	629	115.8	8.6		4534.4
10 MAY 2000	10.3	636	116.3	8.8		4534.7
12 JUN 2000	9.8	630	116.9	8.6		4534.0

* Values Exceed Upper Control Limit

MW51D

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW53D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
18 JAN 2000	9.9	651	102.0	8.6		4546.6
14 FEB 2000	9.7	651	102.6	8.5		4546.7
21 MAR 2000	9.9	650	105.5	8.7		4543.7
25 APR 2000	10.2	642	101.3	8.6		4542.9
11 MAY 2000	10.0	643	101.7	8.7		4542.3
12 JUN 2000	10.1	653	102.1	8.7		4541.3

* Values Exceed Upper Control Limit

MW53D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW55D 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
18 JAN 2000	8.8	564	142.6	8.9		4548.5
15 FEB 2000	9.1	560	150.8	8.9		4548.3
21 MAR 2000	8.9	562	139.7	8.9		4543.7
25 APR 2000	9.1	581	140.2	9.0		4544.4
10 MAY 2000	9.4	572	142.7	8.8		4543.8
13 JUN 2000	9.2	577	134.1	8.9		4543.4

* Values Exceed Upper Control Limit

MW55D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW57D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
18 JAN 2000	10.4	639	102.9	8.6		4552.7
15 FEB 2000	10.4	636	111.1	8.6		4552.1
21 MAR 2000	11.0	631	103.6	8.6		4548.4
25 APR 2000	10.9	635	103.4	8.7		4548.9
10 MAY 2000	10.7	638	103.7	8.6		4548.3
13 JUN 2000	10.7	635	102.8	8.8		4547.7

* Values Exceed Upper Control Limit

MW57D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 3 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW65D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.7	753	153.3			
Date						
18 JAN 2000	9.1	598	124.2	9.2		4559.0
15 FEB 2000	9.1	603	122.6	9.2		4558.4
21 MAR 2000	8.8	565	140.5	9.2		4555.2
25 APR 2000	9.7	597	122.3	9.3		4549.9
10 MAY 2000	9.7	624	116.0	9.2		4556.2
13 JUN 2000	9.2	591	122.9	9.2		4555.8

* Values Exceed Upper Control Limit

MW65D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW67D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	12.9	789	134				
Date							
10 JAN 2000	9.1	568	165.3	*	8.9		4537.6
07 FEB 2000	9.0	570	162.0	*	8.8		4537.9
07 MAR 2000	10.0	569	166.5	*	8.8		4538.7
10 APR 2000	9.1	561	171.3	*	8.8		4536.3
16 MAY 2000	9.4	569	165.2	*	8.9		4535.2
27 JUN 2000	9.1	565	165.0	*	8.9		4534.2

* Values Exceed Upper Control Limit

MW67D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW69D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	12.9	789	134				
Date							
10 JAN 2000	10.0	620	132.0		8.8		4538.9
07 FEB 2000	9.2	612	132.1		8.7		4539.1
07 MAR 2000	9.6	628	130.2		8.8		4539.1
10 APR 2000	9.5	606	139.0	*	8.8		4537.2
16 MAY 2000	9.2	616	130.4		8.9		4535.9
27 JUN 2000	9.5	614	135.4	*	8.9		4535.0

* Values Exceed Upper Control Limit

MW69D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW71D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	12.9	789	134			
Date						
10 JAN 2000	9.5	637	122.1	8.9		4541.0
07 FEB 2000	9.3	643	120.7	8.9		4541.2
07 MAR 2000	9.7	636	126.5	8.9		4541.0
10 APR 2000	9.7	617	136.2 *	8.9		4538.8
16 MAY 2000	9.7	631	124.6	8.9		4533.1
26 JUN 2000	9.4	639	126.9	9.0		4536.3

* Values Exceed Upper Control Limit

MW71D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW91D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	12.9	789	134				
Date							
10 JAN 2000	9.0	574	153.1	*	8.6		4537.2
07 FEB 2000	9.3	577	156.3	*	8.6		4537.4
07 MAR 2000	9.3	580	156.6	*	8.4		4537.2
10 APR 2000	9.4	583	147.5	*	8.5		4535.9
16 MAY 2000	9.1	568	157.1	*	8.6		4534.9
27 JUN 2000	9.2	560	170.0	*	8.6		4534.0

* Values Exceed Upper Control Limit

MW91D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW93D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	12.9	789	134			
Date						
10 JAN 2000	10.2	656	105.9	8.5		4535.7
07 FEB 2000	10.0	663	106.4	8.5		4536.1
08 MAR 2000	10.1	653	106.2	8.7		4536.3
10 APR 2000	9.8	649	106.5	8.6		4534.4
16 MAY 2000	9.8	660	102.0	8.6		4533.5
27 JUN 2000	9.8	660	103.2	8.6		4532.8

* Values Exceed Upper Control Limit

MW93D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW95D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	12.9	789	134			
Date						
10 JAN 2000	9.6	645	114.5	8.6		4536.3
07 FEB 2000	9.7	654	107.3	8.5		4536.5
08 MAR 2000	9.7	660	110.5	8.7		4536.4
10 APR 2000	9.8	644	111.5	8.6		4535.2
16 MAY 2000	10.7	654	111.5	8.6		4534.4
27 JUN 2000	9.6	657	107.1	8.6		4533.4

* Values Exceed Upper Control Limit

MW95D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW97D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	13.8	723	143.3			
Date						
10 JAN 2000	10.2	615	110.8	8.7		4535.8
07 FEB 2000	10.3	610	115.5	8.6		4535.6
07 MAR 2000	10.4	613	124.5	8.6		4533.8
10 APR 2000	10.8	611	118.7	8.6		4533.2
16 MAY 2000	10.8	619	111.6	8.6		4534.5
27 JUN 2000	10.9	623	117.2	8.6		4533.6

* Values Exceed Upper Control Limit

MW97D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW99D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.8	723	143.3				
Date							
10 JAN 2000	10.1	557	152.4	*	8.7		4532.9
07 FEB 2000	10.2	566	150.4	*	8.6		4532.7
07 MAR 2000	10.4	587	144.7	*	8.6		4533.4
10 APR 2000	10.3	570	141.0		8.6		4532.4
16 MAY 2000	10.5	568	146.9	*	8.6		4532.0
27 JUN 2000	10.7	564	158.9	*	8.7		4531.0

* Values Exceed Upper Control Limit

MW99D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 INTERIOR DEEP SAND MONITOR WELL

Well I.D. MW113D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	13.8	723	143.3				
Date							
10 JAN 2000	10.8	519	191.2	*	8.9		4533.5
07 FEB 2000	10.4	574	150.1	*	8.8		4533.2
07 MAR 2000	10.7	553	137.6		8.9		4533.7
10 APR 2000	10.6	548	167.3	*	8.8		4533.0
16 MAY 2000	10.8	546	175.9	*	8.9		4532.6
27 JUN 2000	10.7	539	177.6	*	8.9		4531.7

* Values Exceed Upper Control Limit

MW113D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 4DM-1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
12 JAN 2000	8.7	566	118.8	8.6		4575.3
17 FEB 2000	8.4	560	118.5	8.5		4575.1
22 MAR 2000	8.5	570	121.3	8.7		4575.2
12 APR 2000	8.7	567	122.2	8.6		4575.0
16 MAY 2000	8.7	566	117.8	8.7		4575.0
14 JUN 2000	9.1	573	123.0	8.6		4574.4

* Values Exceed Upper Control Limit

4DM-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 4DM-4 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
12 JAN 2000	8.3	514	146.6	8.6		4566.9
17 FEB 2000	7.9	501	139.3	8.6		4567.0
22 MAR 2000	8.0	515	143.0	8.7		4566.9
12 APR 2000	7.9	514	141.3	8.7		4566.6
16 MAY 2000	8.1	512	139.7	8.7		4567.1
14 JUN 2000	8.2	519	141.1	8.7		4565.6

* Values Exceed Upper Control Limit

4DM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 4DM-8

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
12 JAN 2000	8.6	520	144.7	8.6		4561.7
17 FEB 2000	8.7	511	147.2	8.5		4561.9
22 MAR 2000	8.6	523	145.5	8.6		4561.3
12 APR 2000	8.6	519	146.3	8.7		4560.8
16 MAY 2000	8.6	520	141.9	8.7		4560.0
14 JUN 2000	8.9	524	145.3	8.6		4559.5

* Values Exceed Upper Control Limit

4DM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 4 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 4DRM-07

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	14.1	712	189.2			
Date						
12 JAN 2000	8.1	531	131.0	8.5		4570.7
17 FEB 2000	8.1	525	137.7	8.5		4570.7
22 MAR 2000	8.5	530	139.3	8.6		4570.7
11 APR 2000	8.3	527	133.0	8.6		4570.3
16 MAY 2000	8.2	531	128.8	8.6		4570.1
14 JUN 2000	8.4	535	131.4	8.6		4569.7

* Values Exceed Upper Control Limit

4DRM-07

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM1A

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
10 JAN 2000	5.1	422	197.5	8.8		4609.4
24 JAN 2000	5.2	418	198.7	8.9		4609.3
08 FEB 2000	5.1	418	200.4	8.8		4609.0
23 FEB 2000	5.1	421	201.1	8.8		4609.4
08 MAR 2000	5.2	419	201.5	8.8		4609.1
21 MAR 2000	5.1	415	207.6	8.9		4609.1
03 APR 2000	5.4	418	205.4	8.9		4608.9
17 APR 2000	5.5	421	213.3	8.8		4609.1
01 MAY 2000	5.5	421	198.1	8.9		4609.3
12 JUN 2000	5.5	418	202.0	8.8		4609.8

* Values Exceed Upper Control Limit

5DM1A

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
11 JAN 2000	10.8	619	114.7	8.6		4611.2
24 JAN 2000	11.1	620	115.2	8.8		4610.9
08 FEB 2000	11.2	620	119.9	8.6		4610.8
23 FEB 2000	10.8	620	115.3	8.6		4610.9
08 MAR 2000	10.8	623	116.5	8.6		4610.8
21 MAR 2000	10.6	616	116.5	8.7		4610.8
03 APR 2000	11.4	620	118.0	8.7		4610.
17 APR 2000	10.7	623	117.1	8.6		4610.8
01 MAY 2000	11.1	622	112.8	8.7		4611.1
12 JUN 2000	10.8	622	113.1	8.9		4612.1

* Values Exceed Upper Control Limit 5DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM3 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
11 JAN 2000	10.4	557	103.9	8.5		4608.6
24 JAN 2000	10.7	559	103.9	8.8		4608.4
08 FEB 2000	10.5	556	104.0	8.5		4608.4
23 FEB 2000	10.1	555	103.6	8.5		4608.5
08 MAR 2000	10.5	561	105.3	8.6		4608.4
21 MAR 2000	10.3	555	105.1	8.6		4608.2
03 APR 2000	10.8	559	105.3	8.7		4608.1
17 APR 2000	10.2	560	104.6	8.7		4608.5
01 MAY 2000	10.8	562	101.3	8.7		4608.7
12 JUN 2000	10.5	560	101.1	8.7		4609.1

* Values Exceed Upper Control Limit 5DM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM4

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
10 JAN 2000	5.2	426	205.1	8.7		4608.6
24 JAN 2000	5.6	426	210.3	8.8		4608.6
08 FEB 2000	5.2	425	208.3	8.6		4609.4
23 FEB 2000	5.1	423	208.2	8.6		4608.7
08 MAR 2000	5.3	427	212.9	8.7		4608.5
21 MAR 2000	5.2	422	212.9	8.7		4608.4
03 APR 2000	5.7	426	211.7	8.8		4608
17 APR 2000	5.4	426	221.1	8.7		4608.6
01 MAY 2000	5.6	426	202.9	8.7		4608.7
12 JUN 2000	5.5	426	203.6	8.7		4609.1

* Values Exceed Upper Control Limit

5DM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM5 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
11 JAN 2000	5.5	444	225.0	8.5		4606.3
25 JAN 2000	5.8	448	232.6	8.5		4606.2
08 FEB 2000	5.6	444	229.8	8.5		4606.0
23 FEB 2000	5.9	445	232.8	8.6		4606.0
08 MAR 2000	5.9	448	239.5	8.5		4606.1
21 MAR 2000	5.7	444	233.3	8.6		4606.0
03 APR 2000	5.7	447	232.3	8.6		4605.8
18 APR 2000	5.6	445	231.7	8.5		4606.4
01 MAY 2000	5.8	447	221.0	8.6		4606.4
13 JUN 2000	6.1	450	220.4	8.6		4607.1

* Values Exceed Upper Control Limit 5DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM7 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
11 JAN 2000	6.9	514	235.7	8.5		4605.9
25 JAN 2000	7.4	519	237.4	8.6		4605.7
08 FEB 2000	7.1	513	236.7	8.6		4605.7
24 FEB 2000	7.0	518	241.3	8.6		4605.8
08 MAR 2000	7.0	515	244.6	8.5		4605.8
22 MAR 2000	6.9	510	245.2	8.6		4605.9
04 APR 2000	7.0	518	244.6	8.5		4606.[illegible]
18 APR 2000	7.0	511	250.1	8.4		4606.4
02 MAY 2000	7.1	523	240.9	8.7		4606.7
13 JUN 2000	7.0	514	233.3	8.5		4607.3

* Values Exceed Upper Control Limit 5DM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. WCOW-37D

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
11 JAN 2000	8.6	456	225.9	8.5		4604.6
25 JAN 2000	8.9	467	228.8	8.7		4604.5
08 FEB 2000	8.8	457	226.3	8.5		4604.4
23 FEB 2000	8.7	455	233.6	8.5		4604.5
08 MAR 2000	8.8	458	231.8	8.5		4604.8
21 MAR 2000	8.6	459	231.1	8.5		4604.6
04 APR 2000	9.0	461	231.4	8.6		4604.5
18 APR 2000	8.8	458	236.5	8.4		4605.0
02 MAY 2000	8.9	460	234.9	8.6		4605.0
13 JUN 2000	8.8	461	222.9	8.6		4605.6

* Values Exceed Upper Control Limit

WCOW-37D

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
05 JAN 2000	8.0	796	91.2	8.2		4590.2
17 JAN 2000	8.1	799	90.2	8.3		4588.6
03 FEB 2000	8.0	796	90.4	8.3		4589.1
15 FEB 2000	8.2	802	91.7	8.2		4590.9
01 MAR 2000	8.1	795	92.1	8.3		4590.8
15 MAR 2000	8.1	801	92.9	8.2		4589.1
27 MAR 2000	8.0	804	91.3	8.3		4585
11 APR 2000	7.9	799	92.3	8.3		4580.8
26 APR 2000	8.5	791	91.2	8.3		4579.4
09 MAY 2000	8.5	795	92.0	8.4		4579.1
23 MAY 2000	8.5	811	94.2	8.4		4575.8
06 JUN 2000	8.2	810	91.0	8.4		4575.0
21 JUN 2000	8.0	804	89.7	8.4		4575.3

* Values Exceed Upper Control Limit

6DM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
05 JAN 2000	6.2	1119	55.5	9.2		4591.8
17 JAN 2000	6.3	1124	56.5	9.1		4589.5
03 FEB 2000	6.5	1129	63.2	9.0		4590.4
16 FEB 2000	6.3	1123	62.4	9.2		4592.3
01 MAR 2000	6.6	1130	61.8	9.2		4592.4
15 MAR 2000	6.6	1139	64.5	9.1		4590.3
27 MAR 2000	6.6	1134	59.6	9.1		4586.1
11 APR 2000	6.6	1133	62.7	9.2		4581.0
26 APR 2000	6.4	1121	62.7	9.2		4580.0
09 MAY 2000	6.8	1131	60.1	8.9		4579.7
23 MAY 2000	6.4	1138	58.4	9.0		4575.9
06 JUN 2000	6.3	1135	56.2	9.0		4575.7
21 JUN 2000	6.3	1137	62.4	9.3		4576.0

* Values Exceed Upper Control Limit 6DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM3-2

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
05 JAN 2000	6.1	1142	73.8	8.1		4594.1
17 JAN 2000	6.3	1148	73.9	8.1		4591.2
03 FEB 2000	6.3	1144	76.0	8.0		4592.4
16 FEB 2000	6.0	1141	75.4	8.2		4594.3
01 MAR 2000	6.3	1149	76.5	8.1		4595.2
15 MAR 2000	6.3	1161	76.6	8.1		4592.2
27 MAR 2000	6.1	1158	75.7	8.2		4586
11 APR 2000	6.0	1150	76.2	8.2		4580.7
26 APR 2000	6.2	1137	79.0	8.2		4580.8
09 MAY 2000	6.4	1153	72.4	8.1		4579.8
23 MAY 2000	6.5	1157	77.0	8.2		4575.7
06 JUN 2000	6.3	1157	73.8	8.2		4576.3
21 JUN 2000	6.3	1146	73.7	8.3		4576.6

* Values Exceed Upper Control Limit

6DM3-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM4-2

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
05 JAN 2000	6.5	1151	76.3	8.2		4594.5
17 JAN 2000	6.2	1150	71.7	8.2		4591.9
03 FEB 2000	6.5	1136	73.6	8.3		4593.1
15 FEB 2000	6.2	1146	73.8	8.2		4595.1
01 MAR 2000	6.6	1156	76.8	8.2		4595.3
15 MAR 2000	6.3	1165	74.7	8.2		4592.8
27 MAR 2000	6.6	1162	77.3	8.3		4587.7
11 APR 2000	6.3	1155	73.8	8.3		4582.1
26 APR 2000	6.9	1096	72.7	8.3		4581.6
09 MAY 2000	6.5	1153	73.1	8.2		4581.2
23 MAY 2000	6.5	1152	71.1	8.3		4576.8
06 JUN 2000	6.4	1158	72.2	8.3		4576.9
21 JUN 2000	6.4	1149	73.2	8.4		4577.5

* Values Exceed Upper Control Limit

6DM4-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM5 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
05 JAN 2000	6.3	1148	74.7	8.1		4597.2
18 JAN 2000	6.3	1157	76.2	8.2		4594.0
03 FEB 2000	6.5	1141	74.1	8.0		4595.6
16 FEB 2000	6.4	1145	77.0	8.1		4597.4
01 MAR 2000	6.5	1154	77.0	8.1		4597.9
15 MAR 2000	6.6	1163	77.3	8.1		4595.2
28 MAR 2000	6.3	1152	76.4	8.1		4589
11 APR 2000	6.6	1147	76.2	8.1		4582.8
26 APR 2000	6.4	1133	73.0	8.1		4582.9
09 MAY 2000	6.8	1136	75.3	8.2		4582.4
23 MAY 2000	6.3	1140	74.4	8.3		4577.6
06 JUN 2000	6.5	1160	76.7	8.2		4578.2
20 JUN 2000	6.4	1164	76.0	8.3		4579.2

* Values Exceed Upper Control Limit 6DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM6 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
04 JAN 2000	7.4	832	88.8	8.6		4599.9
18 JAN 2000	7.4	825	89.1	8.6		4597.5
03 FEB 2000	7.4	829	87.6	8.6		4600.2
16 FEB 2000	7.5	830	89.6	8.5		4601.5
29 FEB 2000	7.9	835	93.6	8.5		4599.5
15 MAR 2000	7.5	837	91.6	8.5		4601.8
28 MAR 2000	7.3	831	86.8	8.4		4597.6
11 APR 2000	7.4	836	89.4	8.5		4590.5
26 APR 2000	7.4	828	93.0	8.5		4590.4
09 MAY 2000	7.8	828	86.6	8.5		4590.5
23 MAY 2000	7.8	837	86.3	8.6		4585.5
06 JUN 2000	7.5	845	86.9	8.6		4585.5
21 JUN 2000	7.5	841	86.5	8.6		4587.1

* Values Exceed Upper Control Limit 6DM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM7 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
04 JAN 2000	7.1	861	85.2	8.4		4603.0
18 JAN 2000	7.0	863	84.0	8.5		4601.2
02 FEB 2000	7.0	876	85.4	8.4		4603.1
15 FEB 2000	7.0	860	85.7	8.4		4601.5
29 FEB 2000	7.1	871	92.1	8.4		4600.3
14 MAR 2000	7.4	871	88.9	8.4		4610.0
28 MAR 2000	7.0	869	86.4	8.3		4606.
10 APR 2000	7.0	874	86.8	8.3		4599.1
26 APR 2000	7.1	868	88.2	8.3		4601.1
08 MAY 2000	7.2	865	83.5	8.4		4600.2
22 MAY 2000	7.1	879	83.4	8.4		4595.5
05 JUN 2000	7.7	880	88.1	8.4		4596.0
21 JUN 2000	7.3	883	83.9	8.5		4598.3

* Values Exceed Upper Control Limit

6DM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM8

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
04 JAN 2000	7.5	830	85.5	8.5		4600.5
18 JAN 2000	7.5	833	86.5	8.5		4598.1
03 FEB 2000	7.3	831	85.4	8.5		4601.0
15 FEB 2000	7.3	840	87.8	8.5		4601.1
29 FEB 2000	7.4	840	88.4	8.4		4599.5
14 MAR 2000	7.5	844	90.3	8.4		4605.1
28 MAR 2000	7.4	839	89.6	8.5		4601.5
11 APR 2000	7.4	849	87.6	8.4		4594.1
26 APR 2000	7.3	839	83.6	8.5		4594.8
09 MAY 2000	7.6	846	83.6	8.5		4595.0
23 MAY 2000	7.5	846	83.5	8.5		4589.8
06 JUN 2000	7.9	850	87.1	8.5		4590.1
20 JUN 2000	7.5	850	85.0	8.4		4592.0

* Values Exceed Upper Control Limit

6DM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM9 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
04 JAN 2000	7.3	840	86.2	8.4		4599.7
18 JAN 2000	7.3	829	87.7	8.3		4597.8
03 FEB 2000	7.7	845	92.1	8.3		4599.3
15 FEB 2000	7.5	841	87.5	8.3		4600.2
29 FEB 2000	7.3	837	89.1	8.3		4599.1
14 MAR 2000	7.5	840	91.4	8.3		4601.1
28 MAR 2000	7.3	837	88.0	8.2		4599
11 APR 2000	7.3	851	88.7	8.3		4592.2
26 APR 2000	7.3	841	91.7	8.4		4591.6
09 MAY 2000	7.6	842	85.9	8.3		4592.2
23 MAY 2000	7.5	854	85.4	8.3		4587.1
06 JUN 2000	7.8	853	88.3	8.4		4587.0
21 JUN 2000	7.5	847	87.3	8.4		4588.4

* Values Exceed Upper Control Limit

6DM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM10 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
04 JAN 2000	7.6	841	90.3	8.5		4600.6
18 JAN 2000	7.4	842	89.0	8.5		4598.8
03 FEB 2000	7.6	833	89.5	8.5		4600.8
15 FEB 2000	7.3	841	89.0	8.4		4600.7
29 FEB 2000	7.5	842	90.9	8.4		4600.6
14 MAR 2000	7.3	844	89.4	8.5		4602.4
28 MAR 2000	7.3	842	88.8	8.4		4599.0
11 APR 2000	7.3	856	89.3	8.4		4592.0
26 APR 2000	7.3	844	86.2	8.5		4589.6
09 MAY 2000	7.5	846	84.6	8.4		4592.1
23 MAY 2000	7.6	848	87.0	8.5		4586.8
06 JUN 2000	7.6	865	85.1	8.5		4586.7
21 JUN 2000	7.3	850	85.5	8.5		4588.2

* Values Exceed Upper Control Limit 6DM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM11 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.9	1101	385.3			
Date						
04 JAN 2000	8.6	593	184.9	8.8		4606.4
18 JAN 2000	8.6	601	179.5	8.8		4604.5
03 FEB 2000	8.7	591	189.9	8.8		4604.7
15 FEB 2000	8.9	581	194.3	8.8		4604.9
29 FEB 2000	8.9	602	175.9	8.7		4604.9
14 MAR 2000	8.8	588	184.6	8.7		4606.6
28 MAR 2000	8.8	593	181.6	8.8		4607
10 APR 2000	8.6	587	183.7	8.8		4603.1
26 APR 2000	8.9	598	178.4	8.8		4602.4
08 MAY 2000	8.9	578	186.7	8.8		4603.0
22 MAY 2000	9.0	594	183.3	8.8		4599.4
06 JUN 2000	9.1	600	192.1	8.8		4598.7
20 JUN 2000	8.9	591	188.5	8.8		4599.5

* Values Exceed Upper Control Limit

6DM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM12 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.9	1101	385.3			
Date						
04 JAN 2000	7.9	534	117.8	8.6		4607.1
18 JAN 2000	7.8	535	116.2	8.6		4605.4
03 FEB 2000	8.3	530	121.0	8.6		4605.4
15 FEB 2000	7.9	535	119.8	8.5		4605.8
29 FEB 2000	8.1	536	122.0	8.6		4605.9
14 MAR 2000	7.9	537	122.5	8.6		4607.0
28 MAR 2000	7.8	540	118.7	8.6		4608.0
10 APR 2000	7.7	538	120.0	8.5		4604.0
26 APR 2000	7.8	536	125.0	8.5		4603.1
09 MAY 2000	8.1	541	116.0	8.6		4603.6
23 MAY 2000	8.3	546	121.2	8.6		4600.5
06 JUN 2000	7.9	551	117.0	8.6		4599.7
20 JUN 2000	8.0	540	117.6	8.6		4600.4

* Values Exceed Upper Control Limit 6DM12

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM13

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.9	1101	385.3			
Date						
04 JAN 2000	7.7	638	184.1	8.3		4605.0
18 JAN 2000	7.7	642	184.9	8.4		4603.2
02 FEB 2000	8.0	632	182.5	8.3		4602.8
16 FEB 2000	7.9	635	187.1	8.3		4603.2
29 FEB 2000	7.9	640	189.5	8.4		4603.4
15 MAR 2000	7.6	649	187.3	8.3		4604.3
28 MAR 2000	7.7	640	186.8	8.4		4605
11 APR 2000	7.6	643	188.4	8.3		4602.1
26 APR 2000	8.0	625	181.5	8.4		4600.7
09 MAY 2000	7.7	633	178.5	8.4		4601.5
23 MAY 2000	7.7	634	181.1	8.5		4598.1
06 JUN 2000	7.8	642	180.1	8.4		4597.2
20 JUN 2000	8.2	635	184.9	8.4		4597.9

* Values Exceed Upper Control Limit

6DM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DM14

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.9	1682	129.4			
Date						
04 JAN 2000	7.5	808	87.3	8.5		4597.5
18 JAN 2000	7.4	815	87.1	8.6		4595.8
03 FEB 2000	7.8	819	89.1	8.4		4597.6
15 FEB 2000	7.5	820	89.2	8.5		4599.3
29 FEB 2000	7.7	822	95.2	8.5		4597.8
14 MAR 2000	7.7	817	92.5	8.5		4598.5
28 MAR 2000	7.5	825	89.9	8.5		4594.9
11 APR 2000	7.5	828	89.8	8.5		4588.2
26 APR 2000	7.6	828	88.0	8.5		4587.3
09 MAY 2000	7.9	821	87.7	8.6		4587.8
23 MAY 2000	7.9	822	90.6	8.5		4582.9
06 JUN 2000	8.2	844	87.8	8.6		4582.8
20 JUN 2000	7.6	820	87.3	8.5		4583.8

* Values Exceed Upper Control Limit

6DM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH

PERIMETER ORE ZONE TREND WELLS

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE TREND WELL

Well I.D. MW78T

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	13.6	823	121.3			
Date						
10 JAN 2000	9.0	696	94.6	8.5		4526.2
07 FEB 2000	9.0	704	94.1	8.5		4521.4
08 MAR 2000	8.9	696	95.3	8.6		4523.2
10 APR 2000	9.1	690	96.1	8.6		4523.3
15 MAY 2000	9.5	708	96.8	8.5		4523.7
26 JUN 2000	9.2	712	94.8	8.5		4521.8

* Values Exceed Action Level

MW78T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 2 PERIMETER ORE ZONE TREND WELL

Well I.D. MW87T

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Action Level	13.6	823	121.3			
Date						
10 JAN 2000	9.8	666	94.0	8.5		4515.5
07 FEB 2000	9.7	670	93.1	8.4		4503.6
14 FEB 2000	10.3	664	96.7	8.4		4504.7
22 FEB 2000	9.8	672	95.3	8.6		4502.5
28 FEB 2000	10.1	666	98.6	8.5		4501.8
06 MAR 2000	9.9	672	96.7	8.5		4508.8
13 MAR 2000	10.1	663	96.3	8.5		4509.[illegible]
20 MAR 2000	10.0	668	97.2	8.4		4509.7
10 APR 2000	10.0	663	94.5	8.4		4509.7
15 MAY 2000	10.0	675	92.8	8.5		4511.1
26 JUN 2000	9.7	679	93.2	8.6		4507.6

* Values Exceed Action Level

MW87T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 PERIMETER ORE ZONE TREND WELL

Well I.D. 5TW-1

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			
Date						
11 JAN 2000	8.0	716	98.6	8.5		4607.1
25 JAN 2000	8.5	721	103.5	8.5		4606.8
09 FEB 2000	8.6	714	105.2	8.6		4606.3
24 FEB 2000	8.5	716	104.5	8.5		4606.9
08 MAR 2000	8.3	717	103.4	8.5		4607.3
22 MAR 2000	8.1	710	103.5	8.5		4607.8
04 APR 2000	8.3	721	108.1	8.6		4609.0
18 APR 2000	8.1	716	100.5	8.5		4607.3
02 MAY 2000	8.6	733	98.8	8.7		4600.4
13 JUN 2000	8.4	720	98.8	8.6		4591.0

* Values Exceed Upper Control Limit

5TW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE TREND WELL

Well I.D. 6TW1 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity		pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$			mg/l	msl
Upper Control Limit	20	1576	95.2				
Date							
04 JAN 2000	12.0	1439	117.8	*	7.8		4606.4
18 JAN 2000	10.6	1415	100.4	*	7.8		4601.3
02 FEB 2000	9.9	1412	93.4		7.8		4609.3
16 FEB 2000	9.6	1399	91.3		7.8		4606.4
01 MAR 2000	9.2	1387	88.2		7.9		4608.1
15 MAR 2000	8.8	1388	87.6		7.9		4605.3
28 MAR 2000	9.7	1408	97.2	*	7.9		4594
11 APR 2000	11.0	1439	114.2	*	7.9		4584.3
26 APR 2000	10.4	1421	108.1	*	7.8		4587.9
09 MAY 2000	9.6	1404	97.6	*	8.0		4584.6
23 MAY 2000	9.3	1410	95.0		8.0		4580.1
06 JUN 2000	9.6	1410	95.2		8.0		4583.3
20 JUN 2000	9.6	1417	93.6		7.9		4586.4

* Values Exceed Upper Control Limit

6TW1

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE TREND WELL

Well I.D. 6TW2 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
05 JAN 2000	6.2	1321	73.3	8.0		4614.5
18 JAN 2000	5.8	1322	69.3	8.1		4609.9
03 FEB 2000	6.0	1322	70.8	8.0		4624.0
16 FEB 2000	6.0	1321	73.2	8.0		4619.4
01 MAR 2000	5.9	1325	70.8	8.0		4616.8
15 MAR 2000	5.6	1319	71.2	8.1		4613.8
28 MAR 2000	5.1	1317	67.7	8.1		4598.3
11 APR 2000	5.4	1318	67.7	8.1		4584.0
26 APR 2000	5.2	1310	65.8	8.0		4592.1
09 MAY 2000	5.3	1311	65.8	8.2		4582.1
23 MAY 2000	5.3	1326	64.6	8.2		4577.8
06 JUN 2000	5.6	1336	68.2	8.1		4581.3
20 JUN 2000	5.7	1336	70.9	8.2		4585.2

* Values Exceed Upper Control Limit 6TW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE TREND WELL

Well I.D. 6TW3

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			
Date						
04 JAN 2000	5.0	1305	66.5	8.1		4606.6
18 JAN 2000	5.2	1303	68.3	8.2		4603.2
03 FEB 2000	5.2	1308	66.5	8.3		4613.9
15 FEB 2000	5.1	1308	67.0	8.2		4616.4
01 MAR 2000	5.0	1315	66.2	8.1		4602.0
14 MAR 2000	5.4	1309	67.7	8.2		4610.7
28 MAR 2000	5.1	1315	65.7	8.2		4598
11 APR 2000	5.1	1316	67.3	8.1		4586.2
26 APR 2000	5.2	1307	66.1	7.9		4591.9
09 MAY 2000	5.3	1312	66.1	8.2		4588.0
23 MAY 2000	5.6	1327	69.3	8.2		4583.0
06 JUN 2000	5.6	1323	68.7	8.2		4585.1
20 JUN 2000	5.2	1322	66.7	8.2		4589.4

* Values Exceed Upper Control Limit

6TW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE TREND WELL

Well I.D. 6TW4 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date							
05 JAN 2000	5.7		1306	69.3		8.1	4613.5
18 JAN 2000	7.0		1316	72.6		8.2	4610.1
03 FEB 2000	9.7		1336	81.3		8.2	4625.9
16 FEB 2000	12.9		1374	94.0		8.0	4622.9
01 MAR 2000	17.6		1444	123.5	*	8.0	4615.5
15 MAR 2000	20.7	*	1510	148.7	*	7.8	4615.9
28 MAR 2000	18.7		1436	117.2	*	7.9	4597.6
11 APR 2000	19.4		1469	125.9	*	8.1	4584.5
26 APR 2000	19.7		1476	127.2	*	8.0	4591.5
09 MAY 2000	20.1	*	1463	124.1	*	8.1	4583.8
23 MAY 2000	19.1		1482	130.8	*	8.1	4577.9
06 JUN 2000	18.0		1472	122.3	*	8.1	4580.5
20 JUN 2000	18.4		1458	122.3	*	8.2	4584.0

* Values Exceed Upper Control Limit 6TW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 PERIMETER ORE ZONE TREND WELL

Well I.D. 6TW5

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date								
04 JAN 2000	16.9	1657	*	195.4	*	7.6		4605.2
18 JAN 2000	14.4	1602	*	168.0	*	7.6		4600.2
02 FEB 2000	11.8	1546		140.1	*	7.8		4605.9
16 FEB 2000	10.3	1512		128.5	*	7.8		4604.1
01 MAR 2000	9.6	1486		124.5	*	7.9		4605.4
15 MAR 2000	7.8	1456		105.2	*	7.9		4602.5
28 MAR 2000	8.3	1471		110.9	*	7.9		4593
11 APR 2000	9.0	1484		121.7	*	7.9		4585.1
26 APR 2000	8.8	1475		118.3	*	7.8		4589.1
09 MAY 2000	8.6	1466		114.0	*	7.9		4586.6
23 MAY 2000	8.4	1476		113.5	*	8.0		4581.8
06 JUN 2000	7.6	1462		104.6	*	8.0		4583.9
20 JUN 2000	7.3	1463		100.9	*	7.9		4586.9

* Values Exceed Upper Control Limit

6TW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH

INTERIOR DEEP SAND TREND WELLS

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM8T

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
11 JAN 2000	9.2	592	135.9	8.4		4609.1
25 JAN 2000	9.0	597	131.0	8.4		4608.7
08 FEB 2000	9.3	592	140.6	8.3		4608.7
23 FEB 2000	8.7	590	134.0	8.4		4608.7
08 MAR 2000	8.9	596	136.0	8.5		4608.4
21 MAR 2000	8.7	591	130.3	8.5		4608.5
03 APR 2000	8.7	596	132.2	8.5		4608.4
18 APR 2000	8.7	592	131.8	8.4		4609.7
01 MAY 2000	8.9	597	126.1	8.5		4608.7
13 JUN 2000	8.9	598	129.2	8.5		4607.8

* Values Exceed Upper Control Limit

5DM8T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 5 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 5DM9T

1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	22.8	1017	420.9			
Date						
11 JAN 2000	10.1	515	115.9	8.5		4610.3
25 JAN 2000	10.2	517	119.3	8.7		4610.2
08 FEB 2000	10.1	517	118.0	8.6		4609.8
23 FEB 2000	10.0	513	119.2	8.5		4610.1
08 MAR 2000	10.2	517	118.6	8.6		4610.0
21 MAR 2000	9.8	515	133.8	8.6		4610.1
03 APR 2000	10.2	517	118.8	8.6		4610
18 APR 2000	10.5	514	119.1	8.5		4611.1
02 MAY 2000	10.7	522	110.6	8.7		4609.1
13 JUN 2000	10.8	523	120.0	8.6		4605.0

* Values Exceed Upper Control Limit

5DM9T

Negative U3O8 Grades Indicate Less Than Detection Limit.

NRCDEQ2REP

COGEMA Mining Inc.

CHRISTENSEN RANCH

Mine Unit 6 INTERIOR DEEP SAND MONITOR WELL

Well I.D. 6DT1 1st HALF, 2000

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	µ mho/cm	mg/l as $CaCO_3$		mg/l	msl
Upper Control Limit	21.3	1802	121.7			
Date						
05 JAN 2000	8.0	822	93.1	8.3		4596.5
17 JAN 2000	7.8	822	89.7	8.3		4594.2
03 FEB 2000	8.0	815	91.3	8.4		4595.9
15 FEB 2000	8.2	816	95.5	8.3		4597.9
01 MAR 2000	7.9	820	92.6	8.3		4597.3
15 MAR 2000	7.8	830	92.3	8.3		4595.6
27 MAR 2000	7.7	828	93.4	8.4		4590.8
11 APR 2000	7.6	825	92.2	8.4		4584.6
26 APR 2000	7.7	816	89.0	8.4		4584.3
09 MAY 2000	8.1	824	89.7	8.3		4583.9
23 MAY 2000	8.1	831	90.6	8.4		4579.3
06 JUN 2000	8.5	832	95.3	8.4		4579.3
21 JUN 2000	8.6	825	89.8	8.5		4580.0

* Values Exceed Upper Control Limit 6DT1

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY RANCH

517 AND USMT SITES

5I7 SITE		Cl mg/l	ACTION LEVEL	CONDUCTIVITY UMHOS/CM	ACTION LEVEL
M - 1	10-Jul-00	22.7	28.0	683	804
NM - 3	10-Jul-00	10.3	16.0	646	787
M - 4	10-Jul-00	14.4	23.0	1139	1018
SM - 1	10-Jul-00	13.8	15.9	743	1374
USMT SITE					
M - 219	10-Jul-00	11.6	11.6	675	773
M - 220	10-Jul-00	14.6	15.0	871	1428
M - 221	10-Jul-00	12.6	12.0	630	736

APPENDIX 3

IRIGARAY & CHRISTENSEN RANCH
MECHANICAL INTEGRITY TESTING SUMMARY

CHRISTENSEN UNIT 2
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
2AB31-1	3/22/00	PVC	361	350	168	164	4	2	X	
2AF32-1	3/23/00	PVC	278	365	168	168	0	0		X
2Z45-3*	3/23/00	PVC	305							X

* Data for well 2Z45-3 missing due to failure being spotted visually while setting up for the integrity test.

CHRISTENSEN UNIT 3
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
3M17-3	1/3/00	YELLOWMINE	206	195	168	162	6	4	X	
3M19-1	1/3/00	YELLOWMINE	255	240	168	159	9	5	X	
3M19-4	1/3/00	YELLOWMINE	219	210	168	165	3	2	X	
3N17-2	1/3/00	YELLOWMINE	216	205	168	164	4	2	X	
3L19-3	1/4/00	YELLOWMINE	205	195	168	164	4	2	X	
3L21-1	1/4/00	YELLOWMINE	196	185	168	162	6	4	X	
3L23-4	1/4/00	YELLOWMINE	201	190	168	162	6	4	X	
3M15-4	1/4/00	YELLOWMINE	215	205	168	165	3	2	X	
3M21-2	1/4/00	YELLOWMINE	211	200	168	161	7	4	X	
3N15-2	1/4/00	YELLOWMINE	211	200	168	164	4	2	X	
3K22-1	1/5/00	YELLOWMINE	252	162	168	240	6	4	X	
3L19-2	1/5/00	YELLOWMINE	221	161	168	210	7	4	X	
3L21-3	1/5/00	YELLOWMINE	234	160	168	220	8	5	X	
3L23-2	1/5/00	YELLOWMINE	240	163	168	230	5	3	X	
3L24-1	1/5/00	YELLOWMINE	237	163	168	225	8	5	X	
3M21-1	1/6/00	YELLOWMINE	245	163	168	235	2	5	X	
3M23-1	1/6/00	YELLOWMINE	242	162	168	230	4	6	X	
3M24-1	1/6/00	YELLOWMINE	244	160	168	230	5	8	X	
3M23-2	1/10/00	YELLOWMINE	200	190	168	162	6	4	X	
3N24-1	1/10/00	YELLOWMINE	209	190	168	164	4	2	X	
3N26-1	1/10/00	YELLOWMINE	211	200	168	162	6	4	X	
3O27-1	1/10/00	YELLOWMINE	237	225	168	164	4	2	X	
3O27-2	1/10/00	YELLOWMINE	206	195	168	164	4	2	X	
3K14-1	1/11/00	YELLOWMINE	198	190	168	159	9	4	X	
3K16-1	1/11/00	YELLOWMINE	202	190	168	162	6	4	X	
3L15-1	1/11/00	YELLOWMINE	204	190	168	160	8	5	X	
3L16-3	1/11/00	YELLOWMINE	249	240	168	162	6	4	X	
3M15-3	1/11/00	YELLOWMINE	250	240	168	165	3	2	X	
3O29-3	1/11/00	YELLOWMINE	199	189	168	160	8	5	X	
3K17-3	1/12/00	YELLOWMINE	196	185	168	160	8	5	X	
3K19-2	1/12/00	YELLOWMINE	206	195	168	162	6	4	X	
3L17-1	1/12/00	YELLOWMINE	232	180	168	158	10	6	X	
3L17-3	1/12/00	YELLOWMINE	210	200	168	163	5	3	X	
3M17-2	1/12/00	YELLOWMINE	231	220	168	164	4	2	X	
3K19-1	1/13/00	YELLOWMINE	236	225	168	160	8	5	X	
3L23-5	1/13/00	YELLOWMINE	213	200	168	162	6	4	X	
3N27-1	1/13/00	YELLOWMINE	253	240	168	158	10	6	X	
3F6-2	1/17/00	YELLOWMINE	287	275	168	161	7	4	X	
3K17-1	1/17/00	YELLOWMINE	229	219	168	158	10	6	X	
3K28-3	1/17/00	YELLOWMINE	252	240	168	0	168	100		X
3L30-1	1/17/00	YELLOWMINE	231	220	168	162	6	4	X	
3P27-2	1/17/00	YELLOWMINE	235	220	168	164	4	2	X	
3K26-1	1/18/00	YELLOWMINE	239	229	168	162	6	4	X	
3L27-2	1/18/00	YELLOWMINE	277	265	168	160	8	5	X	
3H18-1	1/19/00	YELLOWMINE	230	220	168	159	9	5	X	
3H18-2	1/19/00	YELLOWMINE	233	220	168	154	14	8	X	
3H21-2	1/19/00	YELLOWMINE	250	240	168	162	6	2	X	
3I19-1	1/19/00	YELLOWMINE	237	230	168	160	8	5	X	
3J25-1	1/19/00	YELLOWMINE	282	270	168	164	4	2	X	
3J26-1	1/19/00	YELLOWMINE	280	270	168	162	6	4	X	
3C20-1	1/20/00	YELLOWMINE	263	260	168	155	13	8	X	
3E8-1	1/20/00	YELLOWMINE	284	270	168	159	9	5	X	
3F14-1	1/20/00	YELLOWMINE	272	260	168	161	7	4	X	
3F7-1	1/20/00	YELLOWMINE	292	280	168	163	5	3	X	
3G14-1	1/20/00	YELLOWMINE	269	260	168	164	4	2	X	
3J24-4	1/20/00	YELLOWMINE	257	245	168	0	168	100		X
3L29-1	1/20/00	YELLOWMINE	236	225	168	162	6	4	X	

CHRISTENSEN UNIT 3
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
3D16-2	1/24/00	YELLOWMINE	270	260	168	161	7	4	X	
3F18-2	1/24/00	YELLOWMINE	257	240	168	0	168	100		X
3L18-1	1/24/00	YELLOWMINE	229	220	168	155	13	8	X	
3J27-2	1/25/00	YELLOWMINE	249	239	168	161	7	4	X	
3J28-2	1/25/00	YELLOWMINE	247	235	168	160	8	5	X	
3J28-3	1/25/00	YELLOWMINE	285	270	168	155	13	8	X	
3K30-1	1/25/00	YELLOWMINE	274	260	168	160	8	5	X	
3K30-2	1/25/00	YELLOWMINE	243	230	168	159	9	5	X	
3K32-1	1/25/00	YELLOWMINE	248	235	168	160	8	5	X	
3K33-2	1/25/00	YELLOWMINE	257	250	168	161	7	4	X	
3C19-1	1/26/00	YELLOWMINE	268	255	168	162	6	4	X	
3D21-2	1/26/00	YELLOWMINE	283	270	168	163	5	3	X	
3G13-1	1/26/00	YELLOWMINE	265	255	168	162	6	4	X	
3H20-1	1/26/00	YELLOWMINE	239	225	168	162	6	4	X	
3I24-1	1/26/00	YELLOWMINE	278	265	168	162	6	4	X	
3J25-2	1/26/00	YELLOWMINE	285	60	168	130	38	33		X
3J32-1	1/26/00	YELLOWMINE	304	290	168	159	9	5	X	
3P22-1	1/31/00	YELLOWMINE	225	215	168	163	5	6	X	
3Q19-2	1/31/00	YELLOWMINE	221	211	168	162	6	4	X	
3Q22-1	1/31/00	YELLOWMINE	211	200	168	160	8	5	X	
3Q24-1	1/31/00	YELLOWMINE	227	215	168	160	8	5	X	
3R20-1	1/31/00	YELLOWMINE	211	200	168	161	7	4	X	
3S20-1	1/31/00	YELLOWMINE	209	199	168	160	8	5	X	
3N22-1	2/1/00	YELLOWMINE	248	235	168	160	8	5	X	
3O24-2	2/1/00	YELLOWMINE	214	200	168	160	8	5	X	
3O25-3	2/1/00	YELLOWMINE	247	235	168	160	8	5	X	
3O25-4	2/1/00	YELLOWMINE	211	200	168	162	6	4	X	
3O28-1	2/1/00	YELLOWMINE	237	225	168	164	4	2	X	
3P24-1	2/1/00	YELLOWMINE	207	195	168	164	4	2	X	
3Q26-1	2/1/00	YELLOWMINE	213	200	168	160	8	5	X	
3Q27-1	2/1/00	YELLOWMINE	216	205	168	159	9	5	X	
3M18-1	2/2/00	YELLOWMINE	257	245	168	160	8	5	X	
3M18-2	2/2/00	YELLOWMINE	211	200	168	160	8	5	X	
3M22-1	2/2/00	YELLOWMINE	247	235	168	162	6	4	X	
3M22-3	2/2/00	YELLOWMINE	223	210	168	164	4	2	X	
3M25-1	2/2/00	YELLOWMINE	190	180	168	164	4	2	X	
3N25-3	2/2/00	YELLOWMINE	210	200	168	162	6	4	X	
3L18-2	2/3/00	YELLOWMINE	205	195	168	164	4	2	X	
3L20-1	2/3/00	YELLOWMINE	235	225	168	159	9	5	X	
3M20-2	2/3/00	YELLOWMINE	228	215	168	155	13	8	X	
3K18-1	2/7/00	YELLOWMINE	237	225	168	162	6	4	X	
3K18-2	2/7/00	YELLOWMINE	196	185	168	162	6	4	X	
3K20-3	2/7/00	YELLOWMINE	202	190	168	164	4	2	X	
3K21-2	2/7/00	YELLOWMINE	200	190	168	165	3	2	X	
3L16-1	2/7/00	YELLOWMINE	248	235	168	162	6	2	X	
3L22-1	2/7/00	YELLOWMINE	238	225	168	156	12	7	X	
3L22-3	2/7/00	YELLOWMINE	201	190	168	140	28	17		X
3M16-1	2/7/00	YELLOWMINE	213	200	168	164	4	2	X	
3N20-1	2/7/00	YELLOWMINE	216	205	168	160	8	5	X	
3L16-2	2/8/00	YELLOWMINE	209	199	168	160	8	5	X	
3N18-1	2/8/00	YELLOWMINE	221	211	168	162	6	4	X	
3N28-1	2/8/00	YELLOWMINE	206	195	168	158	10	6	X	
3O31-1	2/8/00	YELLOWMINE	266	255	168	160	8	5	X	
3P31-3	2/8/00	YELLOWMINE	235	225	168	162	6	4	X	
3Q29-1	2/8/00	YELLOWMINE	212	200	168	159	9	5	X	
3R30-2	2/8/00	YELLOWMINE	235	225	168	160	8	5	X	
3R31-1	2/9/00	YELLOWMINE	233	220	168	163	5	3	X	

CHRISTENSEN UNIT 3
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
3R32-1	2/9/00	YELLOWMINE	237	225	168	156	12	72	X	
3S30-1	2/9/00	YELLOWMINE	248	235	168	158	10	6	X	
3S31-1	2/9/00	YELLOWMINE	238	225	168	158	10	6	X	
3T31-1	2/9/00	YELLOWMINE	258	245	168	164	4	2	X	
3U25-2	2/9/00	YELLOWMINE	260	250	168	160	8	5	X	
3N25-1	2/10/00	YELLOWMINE	240	230	168	160	8	5	X	
3S26-1	2/10/00	YELLOWMINE	242	230	168	162	6	4	X	
3T27-2	2/10/00	YELLOWMINE	246	235	168	160	8	5	X	
3U23-1	2/10/00	YELLOWMINE	230	220	168	162	6	4	X	
3U26-1	2/10/00	YELLOWMINE	258	245	168	163	5	3	X	
3U27-1	2/10/00	YELLOWMINE	266	255	168	162	6	4	X	
3V25-1	2/10/00	YELLOWMINE	259	250	168	164	4	2	X	
3O33-1	2/14/00	YELLOWMINE	277	265	168	162	6	4	X	
3S32-2	2/14/00	YELLOWMINE	247	235	168	160	8	5	X	
3S34-1	2/14/00	YELLOWMINE	249	239	168	162	6	4	X	
3S34-2	2/14/00	YELLOWMINE	255	240	168	157	11	7	X	
3S35-2	2/14/00	YELLOWMINE	245	235	168	163	5	3	X	
3S40-1	2/14/00	YELLOWMINE	275	265	168	162	6	6	X	
3T35-1	2/14/00	YELLOWMINE	279	270	168	161	7	4	X	
3T36-1	2/14/00	YELLOWMINE	260	250	168	0	168	100		X
3T39-1	2/14/00	YELLOWMINE	270	260	168	164	4	2	X	
3U35-1	2/14/00	YELLOWMINE	267	255	168	160	8	5	X	
3U37-1	2/14/00	YELLOWMINE	270	260	168	162	6	4	X	
3U39-1	2/14/00	YELLOWMINE	280	270	168	164	4	2	X	
3O31-2	2/15/00	YELLOWMINE	244	230	168	162	6	4	X	
3P32-1	2/15/00	YELLOWMINE	271	260	168	160	8	5	X	
3T37-1	2/15/00	YELLOWMINE	265	255	168	159	9	5	X	
3T38-1	2/15/00	YELLOWMINE	269	255	168	160	8	5	X	
3T40-1	2/15/00	YELLOWMINE	272	260	168	159	9	5	X	
3T41-1	2/15/00	YELLOWMINE	277	265	168	162	6	4	X	
3N30-3	2/16/00	YELLOWMINE	271	260	168	160	8	5	X	
3N32-1	2/16/00	YELLOWMINE	272	260	168	150	18	11		X
3O32-1	2/16/00	YELLOWMINE	245	235	168	162	6	4	X	
3O32-2	2/16/00	YELLOWMINE	268	255	168	160	8	5	X	
3Q33-1	2/16/00	YELLOWMINE	270	260	168	162	6	4	X	
3R33-2	2/16/00	YELLOWMINE	235	225	168	159	9	5	X	
3R34-1	2/16/00	YELLOWMINE	238	225	168	161	7	4	X	
3R35-2	2/16/00	YELLOWMINE	242	230	168	158	10	6	X	
3T42-1	2/16/00	YELLOWMINE	275	265	168	163	5	3	X	
3T43-1	2/16/00	YELLOWMINE	272	260	168	160	8	5	X	
3T45-1	2/16/00	YELLOWMINE	272	260	168	162	6	4	X	
3T47-1	2/16/00	YELLOWMINE	283	270	168	162	6	4	X	
3U43-1	2/16/00	YELLOWMINE	275	265	168	164	4	2	X	
3U45-1	2/16/00	YELLOWMINE	286	275	168	160	8	5	X	
3U47-1	2/16/00	YELLOWMINE	282	270	168	162	6	4	X	
3V45-1	2/16/00	YELLOWMINE	288	275	168	162	6	4	X	
3O34-1	2/17/00	YELLOWMINE	291	280	168	163	5	3	X	
3S44-1	2/17/00	YELLOWMINE	291	280	168	162	6	4	X	
3T46-1	2/17/00	YELLOWMINE	271	260	168	164	4	2	X	
3T48-1	2/17/00	YELLOWMINE	278	265	168	156	12	7	X	
3U41-2	2/17/00	YELLOWMINE	275	265	168	161	7	4	X	
3U46-1	2/17/00	YELLOWMINE	277	265	168	161	7	4	X	
3O37-2	2/22/00	YELLOWMINE	307	295	168	162	6	4	X	
3P33-1	2/22/00	YELLOWMINE	235	225	168	164	4	2	X	
3P33-2	2/22/00	YELLOWMINE	270	260	168	160	8	5	X	
3P42-1	2/22/00	YELLOWMINE	317	305	168	163	5	3	X	
3Q43-1	2/22/00	YELLOWMINE	328	315	168	162	6	4	X	

CHRISTENSEN UNIT 3
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
3S27-1	2/22/00	YELLOWMINE	237	225	168	160	8	5	X	
3U48-1	2/22/00	YELLOWMINE	271	260	168	164	4	2	X	
3V47-2	2/22/00	YELLOWMINE	286	275	168	166	2	1	X	
3O40-2	2/23/00	YELLOWMINE	315	305	168	162	6	4	X	
3P44-2	2/23/00	YELLOWMINE	328	315	168	164	4	2	X	
3Q30-2	2/23/00	YELLOWMINE	244	230	168	162	6	4	X	
3Q45-2	2/23/00	YELLOWMINE	322	310	168	164	4	2	X	
3Q46-1	2/23/00	YELLOWMINE	322	310	168	161	7	4	X	
3R28-1	2/23/00	YELLOWMINE	255	245	168	164	4	2	X	
3S29-1	2/23/00	YELLOWMINE	240	230	168	162	6	4	X	
3V52-2	2/23/00	YELLOWMINE	275	265	168	166	2	1	X	
3R29-1	2/24/00	YELLOWMINE	233	220	168	162	6	4	X	
3V53-1	2/24/00	YELLOWMINE	273	260	168	161	7	4	X	
3V54-2	2/24/00	YELLOWMINE	281	270	168	166	2	1	X	
3V55-1	2/24/00	YELLOWMINE	275	250	168	164	4	2	X	
3V56-1	2/24/00	YELLOWMINE	275	265	168	160	8	5	X	
3W55-1	2/24/00	YELLOWMINE	285	275	168	164	4	2	X	
3W58-1	2/24/00	YELLOWMINE	276	265	168	140	28	17		X
3V57-1	2/28/00	YELLOWMINE	282	270	168	164	4	2	X	
3V66-1	2/28/00	YELLOWMINE	293	280	168	162	6	4	X	
3W57-2	2/28/00	YELLOWMINE	277	265	168	165	3	2	X	
3W62-1	2/28/00	YELLOWMINE	289	280	168	163	5	3	X	
3X59-2	2/28/00	YELLOWMINE	280	270	168	164	4	2	X	
3X61-1	2/28/00	YELLOWMINE	290	280	168	160	8	5	X	
3X63-2	2/28/00	YELLOWMINE	292	280	168	160	8	5	X	
3T24-1	2/29/00	YELLOWMINE	256	245	168	162	6	4	X	
3V58-2	2/29/00	YELLOWMINE	282	270	168	160	8	5	X	
3V64-1	2/29/00	YELLOWMINE	281	270	168	160	8	5	X	
3V67-1	2/29/00	YELLOWMINE	295	285	168	163	5	3	X	
3V68-1	2/29/00	YELLOWMINE	299	285	168	158	10	6	X	
3W65-1	2/29/00	YELLOWMINE	307	295	168	160	8	5	X	
3W66-2	2/29/00	YELLOWMINE	296	285	168	159	9	5	X	
3W67-1	2/29/00	YELLOWMINE	290	280	168	163	5	3	X	
3W69-1	2/29/00	YELLOWMINE	307	295	168	164	4	2	X	
3X60-2	2/29/00	YELLOWMINE	289	279	168	162	6	4	X	
3AA53-1	3/1/00	YELLOWMINE	366	355	168	160	8	5	X	
3AA54-1	3/1/00	YELLOWMINE	369	355	168	160	8	5	X	
3AA55-1	3/1/00	YELLOWMINE	362	350	168	162	6	4	X	
3AB53-2	3/1/00	YELLOWMINE	376	360	168	159	9	5	X	
3AB56-2	3/1/00	YELLOWMINE	366	355	168	160	8	5	X	
3X69-1	3/1/00	YELLOWMINE	296	285	168	163	5	3	X	
3AA58-3	3/2/00	YELLOWMINE	370	360	168	160	8	5	X	
3AB57-1	3/2/00	YELLOWMINE	362	350	168	164	4	2	X	
3AB58-4	3/2/00	YELLOWMINE	372	360	168	157	11	7	X	
3AB59-1	3/2/00	YELLOWMINE	372	360	168	164	4	2	X	
3AC57-3	3/2/00	YELLOWMINE	367	355	168	158	10	6	X	
3AA56-1	3/3/00	YELLOWMINE	366	350	168	162	6	4	X	
3AA57-1	3/3/00	YELLOWMINE	378	365	168	162	6	4	X	
3AB55-2	3/3/00	YELLOWMINE	362	350	168	160	8	5	X	
3AC59-2	3/3/00	YELLOWMINE	365	355	168	160	8	5	X	
3Z56-1	3/3/00	YELLOWMINE	371	360	168	162	6	4	X	
3AA59-1	3/6/00	YELLOWMINE	371	360	168	165	3	2	X	
3AA61-2	3/6/00	YELLOWMINE	394	380	168	160	8	5	X	
3AB60-1	3/6/00	YELLOWMINE	383	370	168	160	8	5	X	
3AB61-1	3/6/00	YELLOWMINE	387	380	168	164	4	2	X	
3AB63-1	3/6/00	YELLOWMINE	401	390	168	164	4	2	X	
3AC61-1	3/6/00	YELLOWMINE	366	355	168	162	6	4	X	

CHRISTENSEN UNIT 3
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
3O38-3	3/7/00	YELLOWMINE	309	300	168	160	8	5	X	
3U25-1	3/7/00	YELLOWMINE	257	245	168	164	4	2	X	
3V51-1	3/7/00	YELLOWMINE	270	260	168	160	8	5	X	
3Y52-2	3/7/00	YELLOWMINE	339	330	168	158	10	6	X	
3Z53-1	3/7/00	YELLOWMINE	339	329	168	164	4	2	X	
3Z54-1	3/7/00	YELLOWMINE	352	340	168	160	8	5	X	
3Z55-1	3/7/00	YELLOWMINE	360	350	168	157	11	7	X	
3AA63-1	3/9/00	YELLOWMINE	399	390	168	145	23	14		X
3AC62-1	3/9/00	YELLOWMINE	366	355	168	162	6	4	X	
3AC63-5	3/9/00	YELLOWMINE	373	360	168	157	11	7	X	
3AB64-1	3/10/00	YELLOWMINE	390	380	168	162	6	4	X	
3AA64-2	3/13/00	YELLOWMINE	400	390	168	159	9	5	X	
3AB65-2	3/13/00	YELLOWMINE	406	395	168	156	12	7	X	
3AC63-6	3/13/00	YELLOWMINE	385	375	168	139	29	17		X
3Z59-3	3/13/00	YELLOWMINE	385	375	168	164	4	2	X	
3Z60-1	3/13/00	YELLOWMINE	387	375	168	164	4	2	X	
3Z62-1	3/13/00	YELLOWMINE	411	400	168	154	14	8	X	
3AB62-1	3/14/00	YELLOWMINE	380	370	168	160	8	5	X	
3AC64-1	3/14/00	YELLOWMINE	362	350	168	127	41	24		X
3AC65-1	3/14/00	YELLOWMINE	363	350	168	158	10	6	X	
3AC65-2	3/14/00	YELLOWMINE	387	375	168	158	10	6	X	
3AC66-2	3/14/00	YELLOWMINE	369	360	168	155	13	8	X	
3AB66-2	3/15/00	YELLOWMINE	362	350	168	163	5	3	X	
3AC67-1	3/15/00	YELLOWMINE	389	380	168	164	4	2	X	
3AD65-2	3/15/00	YELLOWMINE	361	350	168	154	14	8	X	
3Y47-2	3/15/00	YELLOWMINE	358	350	168	153	15	9	X	
3Y48-2	3/15/00	YELLOWMINE	378	365	168	0	168	100		X
3Y49-1	3/16/00	YELLOWMINE	370	360	168	162	6	4	X	
3Y50-2	3/20/00	YELLOWMINE	377	365	168	161	7	4	X	
3Y51-2	3/20/00	YELLOWMINE	357	345	168	162	6	4	X	
3Y53-1	3/20/00	YELLOWMINE	374	360	168	162	6	4	X	
3Y54-1	3/20/00	YELLOWMINE	371	360	168	160	8	5	X	
3Y55-2	3/20/00	YELLOWMINE	369	360	168	161	7	4	X	
3Y56-1	3/20/00	YELLOWMINE	375	365	168	157	11	7	X	
3AB68-1	3/21/00	YELLOWMINE	378	365	168	164	4	2	X	
3AB69-1	3/21/00	YELLOWMINE	374	365	168	153	15	9	X	
3AB70-1	3/21/00	YELLOWMINE	372	360	168	163	5	3	X	
3AB71-1	3/21/00	YELLOWMINE	380	370	168	165	3	2	X	
3AC69-1	3/21/00	YELLOWMINE	371	360	168	163	5	3	X	
3AC71-4	3/21/00	YELLOWMINE	370	360	168	154	14	8	X	
3AC73-1	3/21/00	YELLOWMINE	382	370	168	158	10	6	X	
3Y57-1	3/21/00	YELLOWMINE	399	390	168	158	10	6	X	
3AA63-1	3/22/00	YELLOWMINE	399	390	168	155	13	8	X	
3V69-3	3/22/00	YELLOWMINE	304	290	168	162	6	4	X	
3V70-1	3/22/00	YELLOWMINE	306	295	168	157	11	7	X	
3W68-3	3/22/00	YELLOWMINE	301	290	168	152	16	10	X	
3W70-1	3/22/00	YELLOWMINE	314	300	168	154	14	8	X	
3W71-2	3/22/00	YELLOWMINE	298	285	168	152	16	10	X	
3Y58-1	3/22/00	YELLOWMINE	400	390	168	160	8	5	X	
3Z57-1	3/22/00	YELLOWMINE	370	360	168	159	9	5	X	

CHRISTENSEN UNIT 4
INTEGRITY TESTING SCHEDULE - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
4P70-1	3/23/00	PVC	386	375	168	159	9	5	X	
4P80-1	3/23/00	PVC	341	330	168	158	10	6	X	
4Q72-1*	3/23/00	PVC								X
4S109-1	4/11/00	PVC	444	430	168	153	15	9	X	
4T111-1	4/11/00	PVC	461	450	168	157	11	7	X	
4T115-1	4/11/00	PVC	448	440	168	156	12	7	X	
4U109-2	4/11/00	PVC	503	490	168	156	12	7	X	
4U110-1	4/11/00	PVC	371	360	168	161	7	4	X	
4U111-2	4/11/00	PVC	403	390	168	163	5	3	X	
4U115-1	4/11/00	PVC	469	460	168	159	9	5	X	
4U117-2	4/11/00	PVC	463	450	168	0	168	100		X
4S108-1	4/12/00	PVC	438	430	168	153	15	9	X	
4T106-1	4/12/00	PVC	378	370	168	163	5	3	X	
4T106-2	4/12/00	PVC	407	390	168	157	11	7	X	
4T107-3	4/12/00	PVC	479	470	168	163	5	3	X	
4T107-4	4/12/00	PVC	420	410	168	162	6	4	X	
4T110-1	4/12/00	PVC	406	390	168	157	11	7	X	
4T110-2	4/12/00	PVC	487	480	168	145	23	14		X
4T114-1	4/13/00	PVC	431	420	168	157	11	7	X	
4U116-2	4/13/00	PVC	455	440	168	162	6	4	X	
4S110-1	4/17/00	PVC	471	460	168	157	11	7	X	
4S112-1	4/17/00	PVC	479	460	168	155	13	8	X	
4T108-1	4/17/00	PVC	490	470	168	156	12	7	X	
4T109-1	4/17/00	PVC	440	430	168	156	12	7	X	
4T113-1	4/17/00	PVC	446	450	168	164	4	2	X	
4S104-3	4/18/00	PVC	459	450	168	154	14	8	X	
4S104-4	4/18/00	PVC	435	420	168	154	14	8	X	
4S106-2	4/18/00	PVC	418	410	168	153	15	9	X	
4T105-1	4/18/00	PVC	454	440	168	154	14	8	X	
4T105-2	4/18/00	PVC	429	420	168	153	15	9	X	
4T104-1	4/26/00	PVC	476	460	168	160	8	5	X	
4T112-1	4/26/00	PVC	479	467	168	158	10	6	X	
4U107-1	4/26/00	PVC	371	357	168	162	6	4	X	
4U108-1	4/26/00	PVC	363	357	168	163	5	3	X	
4V105-1	4/26/00	PVC	371	357	168	160	8	5	X	
4V107-1	4/26/00	PVC	378	367	168	162	6	4	X	
4V109-2	4/26/00	PVC	357	347	168	161	7	4	X	
4W102-1	4/26/00	PVC	379	370	168	158	10	6	X	
4W103-1	4/26/00	PVC	382	370	168	161	7	4	X	
4W106-1	4/26/00	PVC	367	360	168	153	15	9	X	
4W107-2	4/26/00	PVC	366	360	168	160	8	5	X	
4X103-1	4/26/00	PVC	381	370	168	153	15	9	X	
4X105-2	4/26/00	PVC	368	360	168	145	23	14		X
4X107-1	4/26/00	PVC	366	360	168	156	12	7	X	
4S99-2	4/27/00	PVC	495	485	168	157	11	7	X	
4T102-1	4/27/00	PVC	482	467	168	150	18	11		X
4T103-1	4/27/00	PVC	462	447	168	159	9	5	X	
4T103-2	4/27/00	PVC	517	507	168	161	7	4	X	
4T97-2	4/27/00	PVC	445	435	168	157	11	7	X	
4T98-1	4/27/00	PVC	455	445	168	153	15	9	X	
4T99-1	4/27/00	PVC	459	445	168	153	15	9	X	
4U97-2	4/27/00	PVC	468	460	168	160	8	5	X	
4V102-1	4/27/00	PVC	390	380	168	155	13	8	X	
4V104-1	4/27/00	PVC	382	367	168	157	11	7	X	

CHRISTENSEN UNIT 4
INTEGRITY TESTING SCHEDULE - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
4W101-1	4/27/00	PVC	389	380	168	158	10	6	X	
4W108-1	4/27/00	PVC	363	350	168	156	12	7	X	
4S96-1	5/1/00	PVC	433	420	168	155	13	8	X	
4S96-2	5/1/00	PVC	518	505	168	156	12	7	X	
4S97-1	5/1/00	PVC	480	470	168	162	6	4	X	
4S98-2	5/1/00	PVC	442	430	168	156	12	7	X	
4T101-1	5/1/00	PVC	465	455	168	154	14	8	X	
4T96-2	5/1/00	PVC	449	440	168	154	14	8	X	
4T97-1	5/1/00	PVC	496	485	168	153	15	9	X	
4S102-1	5/2/00	PVC	522	510	168	154	14	8	X	
4S102-2	5/2/00	PVC	469	460	168	120	48	29		X
4S94-3	5/2/00	PVC	457	450	168	157	11	7	X	
4T93-1	5/2/00	PVC	458	450	168	153	15	9	X	
4T94-2	5/2/00	PVC	480	470	168	154	14	8	X	
4U93-2	5/2/00	PVC	459	450	168	153	15	9	X	
4S92-2	5/3/00	PVC	460	450	168	157	11	7	X	
4S93-2	5/3/00	PVC	427	420	168	158	10	6	X	
4S95-1	5/3/00	PVC	478	470	168	153	15	9	X	
4T89-1	5/3/00	PVC	444	435	168	158	10	6	X	
4T90-1	5/3/00	PVC	466	455	168	156	12	7	X	
4T91-1	5/3/00	PVC	455	445	168	156	12	7	X	
4T95-1	5/3/00	PVC	480	470	168	154	14	8	X	
4U89-2	5/3/00	PVC	477	465	168	160	8	5	X	
4U91-2	5/3/00	PVC	474	465	168	152	16	10	X	
4S87-1	5/4/00	PVC	437	425	168	153	15	9	X	
4S88-1	5/4/00	PVC	440	430	168	154	14	8	X	
4S89-2	5/4/00	PVC	457	445	168	153	15	9	X	
4S99-3	5/4/00	PVC	433	420	168	154	14	8	X	
4T85-1	5/4/00	PVC	429	420	168	156	12	7	X	
4T87-1	5/4/00	PVC	448	440	168	158	10	6	X	
4T88-1	5/4/00	PVC	475	465	168	153	15	9	X	
4T92-1	5/4/00	PVC	469	460	168	154	14	8	X	
4S83-4	5/8/00	PVC	418	410	168	155	13	8	X	
4S85-1	5/8/00	PVC	444	430	168	153	15	9	X	
4S86-1	5/8/00	PVC	432	420	168	156	12	7	X	
4T83-3	5/8/00	PVC	449	440	168	156	12	7	X	
4T84-1	5/8/00	PVC	457	445	168	154	14	8	X	
4U81-2	5/8/00	PVC	458	450	168	156	12	7	X	
4U83-1	5/8/00	PVC	470	460	168	154	14	8	X	
4U85-1	5/8/00	PVC	472	460	168	160	8	5	X	
4S80-1	5/9/00	PVC	404	395	168	153	15	9	X	
4S81-1	5/9/00	PVC	394	385	168	157	11	7	X	
4S84-1	5/9/00	PVC	425	415	168	152	16	10	X	
4S94-1	5/9/00	PVC	433	420	168	157	11	7	X	
4S95-2	5/9/00	PVC	420	410	168	155	13	8	X	
4S98-1	5/9/00	PVC	495	485	168	161	7	4	X	
4T79-1	5/9/00	PVC	338	330	168	158	10	6	X	
4T81-1	5/9/00	PVC	348	340	168	156	12	7	X	
4T86-1	5/9/00	PVC	451	440	168	159	9	5	X	
4U103-2	5/15/00	PVC	479	470	168	157	11	7	X	
4U117-2	5/15/00	PVC	463	450	168	156	12	7	X	
4U118-2	5/15/00	PVC	437	420	168	110	58	35		X
4O60-1	5/16/00	PVC	417	395	168	163	5	3	X	
4Q79-1	5/16/00	PVC	406	390	168	161	7	4	X	

CHRISTENSEN UNIT 4
INTEGRITY TESTING SCHEDULE - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
4S104-2	5/16/00	PVC	510	500	168	155	13	8	X	
4S94-2	5/16/00	PVC	468	460	168	152	16	10	X	
4T82-1	5/16/00	PVC	451	440	168	153	15	9	X	
4S80-2*	6/15/00									X
4W104-1*	6/15/00									X

* Data for well 4Q72-1 missing due to failure being spotted visually while setting up for integrity test.
* Data for well 4S80-2 missing because pump was stuck downhole and could not be tested.
* Data for well 4W104-1 missing due to camera showing casing separation at 300 feet.

CHRISTENSEN UNIT 5
INTEGRITY TESTING SUMMARY

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
5AB76-1	5/16/00	PVC	469	460	168	155	13	8	X	
5AC74-1	5/16/00	PVC	474	460	168	155	13	8	X	
5AC75-1	5/22/00	PVC	463	450	168	161	7	4	X	
5AD75-1	5/22/00	PVC	474	465	168	162	6	4	X	
5AD78-1	5/22/00	PVC	467	455	168	80	88	52		X
5AD79-1	5/22/00	PVC	468	455	168	154	14	8	X	
5AD80-1	5/22/00	PVC	466	455	168	152	16	10	X	
5AD81-2	5/22/00	PVC	464	455	168	160	8	5	X	
5AE80-1	5/22/00	PVC	439	430	168	157	11	7	X	
5AE83-1	5/22/00	PVC	457	445	168	154	14	8	X	
5AF74-1	5/22/00	PVC	447	435	168	156	12	7	X	
5AG75-1	5/22/00	PVC	438	425	168	158	10	6	X	
5AF72-1	5/23/00	PVC	462	450	168	160	8	5	X	
5AG68-1	5/23/00	PVC	451	440	168	156	12	7	X	
5AG73-1	5/23/00	PVC	450	440	168	159	9	5	X	
5AK64-2	5/23/00	PVC	432	420	168	162	6	4	X	
5AM78-2	5/23/00	PVC	399	390	168	160	8	5	X	
5AO74-1	5/23/00	PVC	383	370	168	154	14	8	X	
5AP54-1	5/23/00	PVC	446	435	168	153	15	9	X	
5BA48-1	5/23/00	PVC	466	455	168	154	14	8	X	
5BD50-1	5/23/00	PVC	512	500	168	153	15	9	X	
5BJ54-1	5/23/00	PVC	445	435	168	160	8	5	X	
MW-07	5/23/00	PVC	432	420	168	156	12	7	X	
5BG46-1	5/24/00	PVC	429	420	168	156	12	7	X	
5BH58-2	5/24/00	PVC	471	460	168	152	16	10	X	
5BJ62-1	5/24/00	PVC	418	410	168	154	14	8	X	
5BK58-1	5/24/00	PVC	426	415	168	153	15	9	X	
5BK82-1	5/24/00	PVC	224	215	168	155	13	8	X	
5BL66-1	5/24/00	PVC	351	340	168	157	11	7	X	
5BL76-1	5/24/00	PVC	232	220	168	154	14	8	X	
5BN94-1	5/24/00	PVC	360	350	168	153	15	9	X	
5BM162-1	5/30/00	PVC	420	410	168	154	14	8	X	
5BM164-1	5/30/00	PVC	422	410	168	157	11	7	X	
5BM165-1	5/30/00	PVC	424	415	168	157	11	7	X	
5BN161-1	5/30/00	PVC	420	410	168	150	18	11		X
5BN162-2	5/30/00	PVC	421	410	168	158	10	6	X	
5BN163-1	5/30/00	PVC	422	410	168	160	8	5	X	
5BQ158-1	5/30/00	PVC	368	355	168	155	13	8	X	
5BT138-1	5/30/00	PVC	355	345	168	156	12	7	X	
5BN160-1	5/31/00	PVC	419	410	168	159	9	5	X	
5BN164-1	5/31/00	PVC	424	415	168	155	13	8	X	
5BO158-1	5/31/00	PVC	425	415	168	157	11	7	X	
5BO159-1	5/31/00	PVC	419	410	168	154	14	8	X	
5BO160-2	5/31/00	PVC	430	420	168	159	9	5	X	
5BO161-1	5/31/00	PVC	421	410	168	160	8	5	X	
5BO162-2	5/31/00	PVC	425	415	168	158	10	6	X	
5BO163-1	5/31/00	PVC	425	415	168	158	10	6	X	
5BP157-1	5/31/00	PVC	420	410	168	156	12	7	X	
5BP159-1	5/31/00	PVC	427	415	168	158	10	6	X	
5BN159-1	6/1/00	PVC	415	405	168	158	10	6	X	
5BO156-1	6/1/00	PVC	415	405	168	153	15	9	X	
5BO157-1	6/1/00	PVC	411	400	168	153	15	9	X	
5BP154-1	6/1/00	PVC	423	410	168	157	11	7	X	
5BP155-1	6/1/00	PVC	417	405	168	160	8	5	X	

CHRISTENSEN UNIT 5
INTEGRITY TESTING SUMMARY

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
5BP156-1	6/1/00	PVC	422	410	168	132	36	21		X
5BP158-1	6/1/00	PVC	431	420	168	159	9	5	X	
5BQ153-1	6/1/00	PVC	435	425	168	154	14	8	X	
5BQ155-1	6/1/00	PVC	431	420	168	154	14	8	X	
5BV146-2	6/1/00	PVC	380	370	168	155	13	8	X	
5BU133-1	6/2/00	PVC	401	390	168	160	8	5	X	
5BU148-1	6/2/00	PVC	446	435	168	158	10	6	X	
5BU149-1	6/2/00	PVC	433	420	168	154	14	8	X	
5BV148-1	6/2/00	PVC	394	385	168	160	8	5	X	
5BV149-1	6/2/00	PVC	405	395	168	159	9	5	X	
5BK68-1	6/4/00	PVC	334	325	168	156	12	7	X	
5BS119-1	6/5/00	PVC	287	275	168	153	15	9	X	
5BS120-1	6/5/00	PVC	286	275	168	153	15	9	X	
5BS132-1	6/5/00	PVC	354	345	168	156	12	7	X	
5BS133-1	6/5/00	PVC	381	370	168	158	10	6	X	
5BT121-2	6/5/00	PVC	281	270	168	157	11	7	X	
5BT131-1	6/5/00	PVC	365	355	168	155	13	8	X	
5BT132-1	6/5/00	PVC	355	345	168	130	38	23		X
5BT133-1	6/5/00	PVC	369	360	168	120	48	29		X
5BT134-2	6/5/00	PVC	411	400	168	0	168	100		X
5BT135-1	6/5/00	PVC	416	405	168	156	12	7	X	
5BM96-1	6/6/00	PVC	376	365	168	155	13	8	X	
5BN100-3	6/6/00	PVC	324	315	168	158	10	6	X	
5BO101-2	6/6/00	PVC	310	300	168	155	13	8	X	
5BO102-2	6/6/00	PVC	314	305	168	153	15	9	X	
5BO104-1	6/6/00	PVC	310	300	168	155	13	8	X	
5BP118-1	6/6/00	PVC	406	395	168	157	11	7	X	
5BP119-2	6/6/00	PVC	405	395	168	157	11	7	X	
5BQ118-2	6/6/00	PVC	394	385	168	153	15	9	X	
5BR117-1	6/6/00	PVC	385	375	168	156	12	7	X	
5BR118-2	6/6/00	PVC	390	380	168	156	12	7	X	
5BS121-1	6/6/00	PVC	313	300	168	154	14	8	X	
5BM100-1	6/7/00	PVC	375	365	168	154	14	8	X	
5BM102-1	6/7/00	PVC	379	370	168	160	8	5	X	
5BM103-1	6/7/00	PVC	377	365	168	156	12	7	X	
5BM98-2	6/7/00	PVC	369	360	168	153	15	9	X	
5BM99-2	6/7/00	PVC	378	365	168	155	13	8	X	
5BN101-2	6/7/00	PVC	377	365	168	156	12	7	X	
5BN95-1	6/7/00	PVC	376	365	168	156	12	7	X	
5BN97-1	6/7/00	PVC	371	360	168	157	11	7	X	
5BV147-1	6/7/00	PVC	430	420	168	153	15	9	X	
5BW147-2	6/7/00	PVC	395	385	168	20	148	88		X
5BK81-1	6/8/00	PVC	221	210	168	155	13	8	X	
5BK83-1	6/8/00	PVC	225	215	168	157	11	7	X	
5BK84-2	6/8/00	PVC	226	215	168	154	14	8	X	
5BK87-4	6/8/00	PVC	250	240	168	156	12	7	X	
5BN92-1	6/8/00	PVC	362	350	168	154	14	8	X	
5BN93-1	6/8/00	PVC	366	355	168	156	12	7	X	
5BQ117-1	6/8/00	PVC	392	380	168	156	12	7	X	
5BS117-1	6/8/00	PVC	380	370	168	154	14	8	X	
5BS134-1	6/8/00	PVC	399	390	168	153	15	9	X	
MW-06	6/8/00	PVC	440	430	168	154	14	8	X	
MW-08	6/8/00	PVC	445	435	168	158	10	6	X	
5BL83-1	6/12/00	PVC	233	220	168	158	10	6	X	

CHRISTENSEN UNIT 5
INTEGRITY TESTING SUMMARY

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
5BM75-1	6/12/00	PVC	324	315	168	153	15	9	X	
5BM76-2	6/12/00	PVC	315	305	168	153	15	9	X	
5BM77-1	6/12/00	PVC	246	235	168	157	11	7	X	
5BM78-2	6/12/00	PVC	305	295	168	153	15	9	X	
5BM79-2	6/12/00	PVC	274	265	168	158	10	6	X	
5BM80-2	6/12/00	PVC	284	275	168	155	13	8	X	
5BN91-2	6/12/00	PVC	346	335	168	154	14	8	X	
5BO103-2	6/12/00	PVC	317	305	168	156	12	7	X	
5BL72-1	6/13/00	PVC	303	290	168	153	15	9	X	
5BM68-1	6/13/00	PVC	317	305	168	159	9	5	X	
5BM69-1	6/13/00	PVC	322	310	168	153	15	9	X	
5BM70-1	6/13/00	PVC	329	320	168	156	12	7	X	
5BM71-1	6/13/00	PVC	325	315	168	154	14	8	X	
5BM72-1	6/13/00	PVC	325	315	168	158	10	6	X	
5BM73-2	6/13/00	PVC	313	300	168	160	8	5	X	
5BM75-2	6/13/00	PVC	249	240	168	157	11	7	X	
5BM81-3	6/13/00	PVC	277	265	168	153	15	9	X	
5BN67-1	6/13/00	PVC	317	305	168	156	12	7	X	
5BN69-2	6/13/00	PVC	328	315	168	156	12	7	X	
5BN71-1	6/13/00	PVC	335	325	168	152	16	10	X	
5BH66-1	6/14/00	PVC	351	340	168	156	12	7	X	
5BH67-1	6/14/00	PVC	341	330	168	140	28	17		X
5BJ85-1	6/14/00	PVC	245	235	168	153	15	9	X	
5BK74-1	6/14/00	PVC	282	270	168	154	14	8	X	
5BK75-3	6/14/00	PVC	271	260	168	154	14	8	X	
5BK77-1	6/14/00	PVC	225	215	168	154	14	8	X	
5BL73-2	6/14/00	PVC	303	290	168	154	14	8	X	
5BL74-1	6/14/00	PVC	296	285	168	155	13	8	X	
5BL74-2	6/14/00	PVC	231	220	168	156	12	7	X	
5BL75-1	6/14/00	PVC	287	275	168	140	28	17		X
5BL76-2	6/14/00	PVC	296	285	168	154	14	8	X	
5BG64-1	6/19/00	PVC	395	385	168	146	22	13		X
5BG65-1	6/19/00	PVC	406	395	168	156	12	7	X	
5BG66-1	6/19/00	PVC	375	365	168	150	18	11		X
5BH64-1	6/19/00	PVC	388	375	168	150	18	11		X
5BH65-1	6/19/00	PVC	372	350	168	153	15	9	X	
5BG67-1	6/21/00	PVC	368	355	168	153	15	9	X	
5BI65-1	6/21/00	PVC	388	375	168	159	9	5	X	
5BI66-1	6/21/00	PVC	387	375	168	154	14	8	X	
5BJ65-1	6/21/00	PVC	377	365	168	160	8	5	X	
5BL68-1	6/21/00	PVC	329	320	168	156	12	7	X	
5BL69-1	6/21/00	PVC	328	315	168	154	14	8	X	
5BK63-2	6/22/00	PVC	366	355	168	155	13	8	X	
5BK64-2	6/22/00	PVC	354	345	168	156	12	7	X	
5BK65-2	6/22/00	PVC	365	355	168	154	14	8	X	
5BK66-1	6/22/00	PVC	356	345	168	157	11	7	X	
5BL64-1	6/22/00	PVC	368	355	168	158	10	6	X	
5BL65-1	6/22/00	PVC	361	350	168	154	14	8	X	
5BL67-1	6/22/00	PVC	348	335	168	155	13	8	X	
5BM63-1	6/22/00	PVC	385	375	168	153	15	9	X	
5BM64-1	6/22/00	PVC	343	330	168	156	12	7	X	
5BM65-1	6/22/00	PVC	346	335	168	158	10	6	X	
5BM67-1	6/22/00	PVC	330	320	168	154	14	8	X	
5BN65-1	6/22/00	PVC	354	345	168	158	10	6	X	

CHRISTENSEN UNIT 5
INTEGRITY TESTING SUMMARY

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
5BI62-1	6/26/00	PVC	433	420	168	157	11	7	X	
5BJ60-1	6/26/00	PVC	431	420	168	157	11	7	X	
5BJ61-1	6/26/00	PVC	422	410	168	158	10	6	X	
5BJ64-1	6/26/00	PVC	390	380	168	156	12	7	X	
5BK59-1	6/26/00	PVC	429	420	168	156	12	7	X	
5BK60-1	6/26/00	PVC	417	405	168	158	10	6	X	
5BK61-1	6/26/00	PVC	420	410	168	155	13	8	X	
5BK62-1	6/26/00	PVC	378	365	168	154	14	8	X	
5BL61-2	6/26/00	PVC	416	405	168	120	48	29		X
5BI60-1	6/27/00	PVC	454	445	168	140	28	17		X
5BI63-1	6/27/00	PVC	431	420	168	120	48	29		X
5BI64-1	6/27/00	PVC	435	425	168	154	14	8	X	
5BJ55-1	6/27/00	PVC	451	440	168	153	15	9	X	
5BJ56-1	6/27/00	PVC	445	435	168	154	14	8	X	
5BJ57-2	6/27/00	PVC	440	430	168	156	12	7	X	
5BJ58-1	6/27/00	PVC	437	425	168	158	10	6	X	
5BJ59-1	6/27/00	PVC	448	435	168	160	8	5	X	
5BJ63-1	6/27/00	PVC	432	420	168	158	10	6	X	
5BJ46-2	6/28/00	PVC	409	400	168	154	14	8	X	
5BJ48-1	6/28/00	PVC	430	420	168	157	11	7	X	
5BJ49-1	6/28/00	PVC	429	420	168	155	13	8	X	
5BJ50-1	6/28/00	PVC	424	415	168	158	10	6	X	
5BJ51-1	6/28/00	PVC	424	415	168	161	7	4	X	
5BK47-1	6/28/00	PVC	404	380	168	154	14	8	X	
5BK48-2	6/28/00	PVC	397	385	168	156	12	7	X	
5BK49-1	6/28/00	PVC	398	375	168	154	14	8	X	
5BK50-1	6/28/00	PVC	392	380	168	153	15	9	X	
5BK51-2	6/28/00	PVC	394	385	168	155	13	8	X	
5BK52-1	6/28/00	PVC	405	395	168	158	10	6	X	
5BL53-1	6/28/00	PVC	407	395	168	155	13	8	X	
5BH57-1	6/29/00	PVC	474	465	168	156	12	7	X	
5BI59-1	6/29/00	PVC	462	450	168	156	12	7	X	
5BI61-1	6/29/00	PVC	446	435	168	148	20	12		X
5BJ52-1	6/29/00	PVC	450	440	168	155	13	8	X	
5BK53-1	6/29/00	PVC	421	410	168	156	12	7	X	
5BK55-1	6/29/00	PVC	436	425	168	153	15	9	X	
5BK56-1	6/29/00	PVC	428	415	168	156	12	7	X	
5BK57-2	6/29/00	PVC	433	420	168	156	12	7	X	
5BL55-1	6/29/00	PVC	415	415	168	154	14	8	X	
5BL59-1	6/29/00	PVC	418	405	168	158	10	6	X	

IRIGARAY UNIT 6
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
HI169	4/6/00	PVC	207	190	144	140	4	3	X	
HI70	4/10/00	PVC	215	200	144	140	4	3	X	
HI71	4/10/00	PVC	228	220	144	0	144	100		X
HI94	4/10/00	PVC	285	270	144	100	44	31		X
HP30	4/10/00	PVC	190	180	144	141	3	2	X	

IRIGARAY UNIT 7
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
KI140	4/4/00	FIBERGLASS	224	215	144	0	144	100		X
JI45	4/5/00	PVC	198	190	144	0	144	100		X
JP27	4/5/00	FIBERGLASS	200	190	144	138	6	4	X	
KI36	4/5/00	FIBERGLASS	171	160	144	120	24	17		X
KI37	4/5/00	PVC	176	170	144	140	4	3	X	
JI115	4/6/00	PVC	257	240	144	139	5	3	X	
JI31	4/6/00	PVC	230	200	144	95	49	34		X
JI71	4/6/00	PVC	200	190	144	137	7	5	X	
JP26	4/6/00	PVC	184	170	144	0	144	100		X
JP26	4/13/00	PVC	184	170	144	138	6	4	X	

IRIGARAY UNIT 8
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
KP50	3/29/00	PVC	195	180	144	0	144	100		X
KI78	4/4/00	PVC	183	170	144	136	8	6	X	
KP50	4/13/00	PVC	195	180	144	142	2	1	X	

IRIGARAY UNIT 9
INTEGRITY TESTING SUMMARY - 2000

Hole #	Date Tested	Casing Type	Bottom Casing Depth	Lower Packer Depth	Intial Pressure	Final Pressure	Pressure Loss	% Loss	Pass	Fail
LI3	3/29/00	FIBERGLASS	254	240	144	142	2	1	X	
LI4	3/29/00	FIBERGLASS	234	220	144	0	144	100		X
LP2	3/29/00	FIBERGLASS	236	225	144	0	144	100		X
LI105	3/30/00	FIBERGLASS	246	235	144	0	144	100		X
LI106	3/30/00	FIBERGLASS	273	260	35	0	35	100		X
LI107	3/30/00	FIBERGLASS	277	265	50	0	50	100		X
LI88	3/30/00	FIBERGLASS	270	260	144	0	144	100		X
LI89	3/30/00	FIBERGLASS	266	255	144	0	144	100		X
LP36	3/30/00	FIBERGLASS	285	270	144	0	144	100		X
LI87B	4/3/00	YELLOWMINE	236	225	144	85	59	41		X
LP43	4/3/00	FIBERGLASS	266	255	144	0	144	100		X
LP57	4/3/00	FIBERGLASS	266	220	144	90	54	38		X
LP70	4/3/00	FIBERGLASS	306	290	144	133	11	8	X	
LP71	4/3/00	FIBERGLASS	300	290	144	70	74	51		X
LI118	4/4/00	FIBERGLASS	241	230	144	142	2	1	X	
LI22	4/4/00	FIBERGLASS	287	270	144	139	5	3	X	
LI61	4/4/00	FIBERGLASS	306	290	144	120	24	17		X
LP26	4/4/00	FIBERGLASS	283	270	144	125	19	13		X

APPENDIX 4

2000 – 2001 Cost Estimate

COGEMA Mining, Inc.
SUMMARY OF RECLAMATION/RESTORATION BOND ESTIMATE, 2000 - 2001
WDEQ PERMIT NO. 478/USNRC LICENSE SUA-1341
TABLE 1

I GROUNDWATER RESTORATION - Worksheet 1:		$5,785,661
II DECOMMISSIONING AND SURFACE RECLAMATION:		
A. Process Plant(s) Equipment Removal and Disposal Worksheet 2		$203,501
B. Plant Building(s) Demolition and Disposal Worksheet 3		$489,688
C. Process Pond Sludge and Liner Handling Worksheet 4		$1,531,321
D. Well Abandonment Worksheet 5		$680,098
E. Wellfield Equipment Removal and Disposal Worksheet 6		$762,989
F. Topsoil Replacement and Revegation Worksheet 7		$568,868
G. Miscellaneous Reclamation Activities Worksheet 8		$124,336
Sub Total - Decommissioning and Surface Reclamation		$4,360,802
SUBTOTAL RESTORATION AND RECLAMATION		$10,146,463
Contingency		
Project Design	2%	
Contractor Profit & Mobilization	8%	
Pre-construction Investigation	1%	
Project Management	3%	
On-site monitoring	0.5%	
Site Security & Liability Assurance	1%	
Longterm Administration	2%	
Unknowns	4%	
TOTAL CONTINGENCY	21.5%	$2,181,490
SUBTOTAL		$12,327,952
15.6% Inflation Factor from August, 1994 through June, 2000		$1,923,161
TOTAL RESTORATION AND RECLAMATION		$14,251,113

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

GROUNDWATER RESTORATION

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
Technical Assumptions:									
Wellfield Area (Ft²)	522720	784080	890000	798944	510088	1210968	2021243	1332936	1600000
Wellfield Area (Acres)	12.00	18.00	20.43	18.34	11.71	27.80	46.40	30.6	36.7
Affected Ore Zone Area (Ft²)	522720	784080	890000	798944	550193	1346004	2058344		
Avg Completed Thickness (Ft)	15.0	18.0	11.0	10.0	12.7	13.0	21.8		
Affected Volume:									
Factor For Vertical Flare	20%	20%	20%	20%	20%	20%	20%		
Factor For Horizontal Flare	20%	20%	20%	20%	20%	20%	20%		
Total Volume (Ft³)	11290752	20323353.6	14097600	11504793.6	10061929.6	25197194.9	64615534.85		
Porosity	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%		
Gallons Per Cubic Foot	7.48	7.48	7.48	7.48	7.48	7.48	7.48		
Gallons Per Pore Volume	21958254.49	39524858.1	27417012.5	22374522.6	19568440.7	49003504.6	125664292.2		
Number of Wells in Unit(s)									
Production Wells	150	274	153	185	105	217	202	155	
Injection Wells	310	330	173	277	128	277	244	170	
Monitor Wells	150	165	50	46	44	70	65	66	
Average Well Spacing (Ft)	35	35	85	70	85	85	100	100	
Average Well Depth (Ft)	250	250	345	300	430	450	520	550	
I GROUNDWATER SWEEP									
A. PLANT & OFFICE									
Operating Assumptions:									
Flowrate (gpm)	200	200	200	200	200	200	200		
PV's Required	4	1	1	1	1	1	1		
Total Gallons For Treatment	87833017.96	39524858.1	27417012.5	22374522.6	19568440.7	49003504.6	125664292.2		
Total KGals for Treatment	87833	39525	27417	22375	19568	49004	125664		
Cost Assumptions:									
Power									
Avg Connected Hp	51.30	51.30	51.30	51.30	51.30	51.30	51.30		
Kwh's/Hp	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
$/Kwh	$0.051	$0.051	$0.048	$0.048	$0.048	$0.048	$0.048		
Gallons Per Minute	200	200	200	200	200	200	200		
Gallons Per Hour	12000	12000	12000	12000	12000	12000	12000		
Cost Per Hour	2.62	2.62	2.46	2.46	2.46	2.46	2.46		
Cost Per Gallon	0.00022	0.00022	0.00021	0.00021	0.00021	0.00021	0.00021		
Cost Per KGal ($)	$0.218	$0.218	$0.205	$0.205	$0.205	$0.205	$0.205		
Chemicals									
Barium Chloride ($/KGals)	$0.041	$0.041	$0.041	$0.041	$0.041	$0.041	$0.041		
Elution ($/KGals)	$0.099	$0.099	$0.099	$0.099	$0.099	$0.099	$0.099		
Repair & Maintenance ($/KGals)	$0.061	$0.061	$0.061	$0.061	$0.061	$0.061	$0.061		
Analysis ($/KGals)	$0.164	$0.091	$0.091	$0.161	$0.092	$0.094	$0.094		
Total Cost Per KGal	$0.583	$0.510	$0.497	$0.567	$0.498	$0.500	$0.500		
Total Treatment Cost	$51,209	$20,159	$13,632	$12,691	$9,749	$24,512	$62,832		
Utilities									
Power ($/Month)	$1,840	$1,840	$1,840	$1,840	$1,840	$1,840	$1,840		
Propane ($/Month	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000		
Time For Treatment									
Minutes For Treatment	439165	197624	137085	111873	97842	245018	628321		
Hours For Treatment	7319	3294	2285	1865	1631	4084	10472		
Days For Treatment	305	137	95	78	68	170	436		
Average Days Per Month	30.4	30.4	30.4	30.4	30.4	30.4	30.4		
Months For Treatment	10.0	4.5	3.1	2.6	2.2	5.6	14.3		
Utilities Cost ($)	$28,476	$12,814	$8,889	$7,254	$6,344	$15,887	$40,740		
TOTAL PLANT & OFFICE COST	$79,684	$32,973	$22,520	$19,945	$16,093	$40,399	$103,573	$0	$0

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

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
I GROUNDWATER SWEEP (Continued)									
B. WELLFIELD									
Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)	3.86	3.86	8.02	8.02	8.02	8.02	8.02		
Avg Hp/Pump	1.50	1.50	3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required	51.9	51.9	25.0	25.0	25.0	25.0	25.0		
Avg Connected Hp	77.8	77.8	74.9	74.9	74.9	74.9	74.9		
Kwh's/Hp	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
$/Kwh	$0.051	$0.051	$0.048	$0.048	$0.048	$0.048	$0.048		
Gallons Per Minute	200	200	200	200	200	200	200		
Gallons Per Hour	12000	12000	12000	12000	12000	12000	12000		
Cost Per Hour ($)	$3.97	$3.97	$3.60	$3.60	$3.60	$3.60	$3.60		
Cost Per Gallon ($)	$0.0003	$0.0003	$0.0003	$0.0003	$0.0003	$0.0003	$0.0003		
Cost Per KGal ($)	0.331	0.331	0.300	0.300	0.300	0.300	0.300		
Repair & Maintenance ($/KGals)	$0.016	$0.016	$0.016	$0.016	$0.016	$0.016	$0.016		
Total Cost Per KGal	$0.347	$0.347	$0.316	$0.316	$0.316	$0.316	$0.316		
TOTAL WELLFIELD COST	$30,447	$13,701	$8,653	$7,061	$6,176	$15,466	$39,660	$0	$0
TOTAL GROUND WATER SWEEP COST	$110,132	$46,674	$31,173	$27,006	$22,269	$55,864	$143,232	$0	$0
II REVERSE OSMOSIS									
A. PLANT & OFFICE									
Operating Assumptions:									
Flowrate (gpm)	300	300	500	500	500	500	500		
PV's Required	3.0	5.0	5.0	5.0	5.0	5.0	5.0		
Total Gallons For Treatment	65874763.47	197624290	137085062	111872613	97842203.3	245017523	628321460.9		
Total KGals for Treatment	65875	197624	137085	111873	97842	245018	628321		
Feed to RO (gpm)	300	300	500	500	500	500	500		
Permeate Flow (gpm)	240	240	400	400	400	400	400		
Brine Flow (gpm)	60	60	100	100	100	100	100		
Average RO Recovery	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%		
Cost Assumptions:									
Power									
Avg Connected Hp	120.00	120.00	180.00	180.00	180.00	180.00	180.00		
Kwh's/Hp	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
$/Kwh	$0.051	$0.051	$0.048	$0.048	$0.048	$0.048	$0.048		
Gallons Per Minute	300	300	500	500	500	500	500		
Gallons Per Hour	18000	18000	30000	30000	30000	30000	30000		
Cost Per Hour ($)	$6.12	$6.12	$8.64	$8.64	$8.64	$8.64	$8.64		
Cost Per Gallon ($)	$0.00034	$0.00034	$0.00029	$0.00029	$0.00029	$0.00029	$0.00029		
Cost Per KGal ($)	$0.340	$0.340	$0.288	$0.288	$0.288	$0.288	$0.288		
Chemicals									
Sulfuric Acid ($/KGals)	$0.076	$0.076	$0.076	$0.076	$0.076	$0.076	$0.076		
Caustic Soda ($/KGals)	$0.111	$0.111	$0.111	$0.111	$0.111	$0.111	$0.111		
Hydrochloric Acid ($/KGals)	$0.009	$0.009	$0.009	$0.009	$0.009	$0.009	$0.009		
Hydrogen Sulfide ($/KGals)	$0.304	$0.304	$0.304	$0.304	$0.304	$0.304	$0.304		
Repair & Maintenance ($/KGals)	$0.279	$0.279	$0.279	$0.279	$0.279	$0.279	$0.279		
Sampling & Analysis ($/KGals)	$0.164	$0.091	$0.091	$0.161	$0.092	$0.094	$0.094		
Total Cost Per KGal ($)	$1.283	$1.210	$1.158	$1.228	$1.159	$1.161	$1.161		
Total Pumping Cost ($)	$84,517	$239,125	$158,745	$137,380	$113,399	$284,465	$729,481		
Utilities									
Power ($/Month)	$1,840	$1,840	$1,840	$1,840	$1,840	$1,840	$1,840		
Propane ($/Month	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000		
Time For Treatment									
Minutes For Treatment	219583	658748	274170	223745	195684	490035	1256643		
Hours For Treatment	3660	10979	4570	3729	3261	8167	20944		
Days For Treatment	152	457	190	155	136	340	873		
Average Days Per Month	30.4	30.4	30.4	30.4	30.4	30.4	30.4		
Months For Treatment	5.0	15.0	6.3	5.1	4.5	11.2	28.7		
Utilities Cost ($)	$14,200	$42,600	$17,892	$14,484	$12,780	$31,808	$81,508		
TOTAL PLANT & OFFICE COST	$98,717	$281,725	$176,637	$151,864	$126,179	$316,273	$810,989	$0	$0

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

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
II REVERSE OSMOSIS (Continued)									
B. WELLFIELD									
Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)	3.86	3.86	8.02	8.02	8.02	8.02	8.02		
Avg Hp/Pump	1.50	1.50	3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required	77.8	77.8	62.4	62.4	62.4	62.4	62.4		
Avg Connected Hp	116.7	116.7	187.1	187.1	187.1	187.1	187.1		
Kwh's/Hp	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
$/Kwh	$0.051	$0.051	$0.048	$0.048	$0.048	$0.048	$0.048		
Gallons Per Minute	300	300	500	500	500	500	500		
Gallons Per Hour	18000	18000	30000	30000	30000	30000	30000		
Cost Per Hour ($)	$5.95	$5.95	$8.98	$8.98	$8.98	$8.98	$8.98		
Cost Per Gallon ($)	$0.0003	$0.0003	$0.0003	$0.0003	$0.0003	$0.0003	$0.0003		
Cost Per KGal ($)	$0.331	$0.331	$0.299	$0.299	$0.299	$0.299	$0.299		
Repair & Maintenance ($/KGals)	$0.016	$0.016	$0.016	$0.016	$0.016	$0.016	$0.016		
Total Cost Per KGal	$0.347	$0.347	$0.315	$0.315	$0.315	$0.315	$0.315		
TOTAL WELLFIELD COST	$22,835	$68,506	$43,231	$35,280	$30,856	$77,269	$198,147	$0	$0
TOTAL REVERSE OSMOSIS COST	$121,553	$350,232	$219,868	$187,144	$157,035	$393,542	$1,009,137	$0	$0
III WASTE DISPOSAL WELL									
Operating Assumptions:									
Annual Evaporation Capacity (Gals)			1917611.9	1917611.9	1917611.9	1917611.9	1917611.9		
Avg. Monthly Evap. Capacity (Gals)			159801	159801	159801	159801	159801		
Total Disposal Requirement									
RO Brine Total Gallons			27417012.5	22374522.6	19568440.7	49003504.6	125664292.2		
Months of RO Operation			6.3	5.1	4.5	11.2	28.7		
Average Monthly Reqm't (Gallons)			4351907	4387161	4348542	4375313	4378547		
Monthly Balance for DDW (Gals)			4192106	4227360	4188741	4215512	4218746		
Total WDW Disposal (Gallons)			26410266.2	21559537.5	18849336.2	47213733.5	121078003.5		
Total WDW Disposal (KGals)			26410	21560	18849	47214	121078		
Cost Assumptions:									
Power									
Avg Connected Hp			100.00	100.00	100.00	100.00	100.00		
Kwh's/Hp			1.000	1.000	1.000	1.000	1.000		
$/Kwh			$0.048	$0.048	$0.048	$0.048	$0.048		
Gallons Per Minute			150	150	150	150	150		
Gallons Per Hour			9000	9000	9000	9000	9000		
Cost Per Hour ($)			$4.80	$4.80	$4.80	$4.80	$4.80		
Cost Per Gallon ($)			$0.0005	$0.0005	$0.0005	$0.0005	$0.0005		
Cost Per KGal ($)			$0.533	$0.533	$0.533	$0.533	$0.533		
Chemicals ($/Kgals)									
Corrosion Inhibitor			$0.217	$0.217	$0.217	$0.217	$0.217		
Algacide			$0.052	$0.052	$0.052	$0.052	$0.052		
Other			$0.080	$0.080	$0.080	$0.080	$0.080		
Repair & Maint ($/Kgals)			$0.230	$0.230	$0.230	$0.230	$0.230		
Total Cost Per KGal			$1.112	$1.112	$1.112	$1.112	$1.112		
TOTAL WASTE DISPOSAL WELL COST			$29,377	$23,981	$20,967	$52,517	$134,679	$0	$0
IV STABILIZATION MONITORING									
Operating Assumptions:									
Time of Stabilization (mos)	9	9	9	9	9	9	9		
Frequency of Analysis (mos)	3	3	3	3	3	3	3		
Total Sets of Analysis	3	3	3	3	3	3	3		
Cost Assumptions:									
Power ($/Month)	$0	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000		
Total Power Cost	$0	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000		
Sampling & Analysis (each set)	$3,600	$3,600	$3,600	$3,600	$3,600	$3,600	$3,600		
Total Sampling & Analysis Cost ($)	$10,800	$10,800	$10,800	$10,800	$10,800	$10,800	$10,800		
Utilities ($/Month)	$0	$2,000	$2,000	$2,000	$2,000	$2,000	$2,000		
Total Utilities Cost ($)	$0	$18,000	$18,000	$18,000	$18,000	$18,000	$18,000		
TOTAL STABILIZATION COST	$10,800	$37,800	$37,800	$37,800	$37,800	$37,800	$37,800	$0	$0

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

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
V LABOR (Irigaray and Christensen Combined)									
Cost Assumptions	Cost/Hour	Hours/Year	Cost						
Crew:									
1 Supervisor	$20.00	2080	$41,600						
4 Operators	$15.00	2080	$124,800						
2 Maintenance	$15.00	2080	$62,400						
2 Vehicles	$10.00	2080	$41,600						
Cost per Year			$270,400						
Time Required - Years (See Figure 1)	6.7								
TOTAL RESTORATION LABOR COST	$1,811,680								

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

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	TOTAL
SUMMARY:										
I GROUNDWATER SWEEP	$110,132	$46,674	$31,173	$27,006	$22,269	$55,864	$143,232	$0		
II REVERSE OSMOSIS	$121,553	$350,232	$219,868	$187,144	$157,035	$393,542	$1,009,137	$0		
III WASTE DISPOSAL WELL	$0	$0	$29,377	$23,981	$20,967	$52,517	$134,679	$0		
IV STABILIZATION	$10,800	$37,800	$37,800	$37,800	$37,800	$37,800	$37,800	$0		
SUB TOTAL	$242,485	$434,706	$318,218	$275,931	$238,070	$539,724	$1,324,848	$0		$3,373,981
V LABOR										$1,811,680
VI CAPITAL										$200,000
TOTAL GROUNDWATER RESTORATION COST										$5,385,661
WDEQ Mandated Estimate for Excursion Well Cleanup (April 2000)										**$400,000**
GRAND TOTAL										**$5,785,661**

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

PLANT EQUIPMENT REMOVAL AND DISPOSAL	Irigaray							Christensen				
	Maint Area & Laboratory	Main Process Building	Expansion Building	Resin +Sand Filter Media	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Resin + Sand Filter Media	Restoration Extension	Wellfield Modules	Sub Total
Volume (Yds³)	40	200	180	110	40	40		91	197	42	55	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20		20	20	20	20	
Number of Truck Loads	2.0	10.0	9.0	5.5	2.0	2.0		4.55	9.9	2.1	2.8	
I Decontamination Cost												
Decontamination Cost ($/Load)	$462	$462	$462	$462	$462	$462		$462	$462	$462	$462	
Percent Requiring Decontamination	20.0%	100.0%	100.0%	0.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	
Total Cost	$185	$4,620	$4,158	$0	$924	$924	$10,811	$2,102	$0	$970	$1,271	$4,343
II Dismantle and Loading Cost												
Cost Per Truck Load ($)	$600	$600	$600	$600	$600	$600		$600	$600	$600	$600	
Total Cost	$1,200	$6,000	$5,400	$3,300	$1,200	$1,200	$18,300	$2,730	$5,910	$1,260	$1,650	$11,550
III Oversize Charges												
Percent Requiring Permits	40.0%	40.0%	40.0%	0.0%	60.0%	40.0%		40.0%	0.0%	40.0%	0.0%	
Cost Per Truck Load ($)	$326	$326	$326	$326	$326	$326		$326	$326	$326	$326	
Total Cost	$261	$1,304	$1,174	$0	$391	$261	$3,390	$593	$0	$274	$0	$867
IV Transportation & Disposal												
A. Landfill												
Percent To Be Shipped	80.0%	80.0%	80.0%	0.0%	50.0%	80.0%		80.0%	0.0%	80.0%	80.0%	
Distance (Miles)	48	48	48	48	48	48		48	48	48	48	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$198	$991	$892	$0	$124	$198		$451	$0	$208	$272	
Disposal Fee Per Cubic Yard	$12.00	$12.00	$12.00	$12.00	$12.00	$12.00		$12.00	$12.00	$12.00	$12.00	
Disposal Cost ($)	$384	$1,920	$1,728	$0	$240	$384		$874	$0	$403	$528	
Total Cost	$582	$2,911	$2,620	$0	$364	$582		$1,324	$0	$611	$800	
B. Licensed Site												
Percent To Be Shipped	20.0%	20.0%	20.0%	100.0%	50.0%	20.0%		20.0%	100.0%	20.0%	20.0%	
Distance (Miles)	150	150	150	150	150	150		150	150	150	150	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$155	$774	$697	$2,129	$387	$155		$352	$3,812	$163	$213	
Disposal Cost Per Cubic Foot ($)	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00		$11.00	$11.00	$11.00	$11.00	
Quantity Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0		20.0	20.0	20.0	20.0	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540		540	540	540	540	
Disposal Cost	$2,376	$11,880	$10,692	$32,670	$5,940	$2,376		$5,405	$58,509	$2,495	$3,267	
Total Cost Licensed Site	$2,531	$12,654	$11,389	$34,799	$6,327	$2,531		$5,758	$62,321	$2,657	$3,480	
Total Cost Transportation & Disposal	$3,113	$15,565	$14,008	$34,799	$6,691	$3,113	$77,288	$7,082	$62,321	$3,269	$4,280	$76,952
TOTAL COST	$4,759	$27,489	$24,740	$38,099	$9,206	$5,498	$109,789	$12,507	$68,231	$5,773	$7,201	$93,712
TOTAL COST - IRIGARAY AND CHRISTENSEN												$203,501

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 3

	Irigaray							Christensen						
	Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total
BUILDING DEMOLITION AND DISPOSAL														
Structural Character	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	3 Story Steel/Masonry	1 Story Steel Frame		2 Story Steel Frame	1 Story Pre Fab (22)	1 Story Pre Fab (4)	2 Story Steel Frame	1 Story Pre-Fab	1 Story Steel Frame	
Demolition Volume (Ft^3)	179400	108720	430400	386400	126000	69640		192000	95040	46720	72000	64800	11000	
Cost of Demolition Per Ft^3	$0.110	$0.110	$0.110	$0.110	$0.110	$0.110		$0.110	$0.110	$0.110	$0.110	$0.110	$0.110	
Demolition Cost ($)	$19,734	$11,959	$47,344	$42,504	$13,860	$7,660	$143,062	$21,120	$10,454	$5,139	$7,920	$7,128	$1,210	$52,972
Factor For Gutting	15.0%	10.0%	30.0%	10.0%	20.0%	10.0%		20.0%	0.0%	0.0%	20.0%	10.0%	10.0%	
Cost For Gutting ($)	$2,960	$1,196	$14,203	$4,250	$2,772	$766	$26,148	$4,224	$0	$0	$1,584	$713	$121	$6,642
Weight (pounds)	158761	96212	380885	341947	111504	61628		169912	66660	28032	63717	38802	9735	
Weight per Truckload	40000	40000	40000	40000	40000	40000		40000	40000	40000	40000	40000	40000	
Number of Truckloads	4.0	2.4	9.5	8.5	2.8	1.5		4.2	1.7	0.7	1.6	1.0	0.2	
Distance to Landfill	48	48	48	48	48	48		48	48	48	48	48	48	
Cost per Mile	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$492	$298	$1,179	$1,059	$345	$191	$3,563	$526	$206	$87	$197	$120	$30	$1,167
Disposal Cost per Ton	$30.00	$30.00	$30.00	$30.00	$30.00	$30.00		$30.00	$30.00	$30.00	$30.00	$30.00	$30.00	
Disposal Cost	$2,381	$1,443	$5,713	$5,129	$1,673	$924	$17,264	$2,549	$1,000	$420	$956	$582	$146	$5,653
TOTAL COST	$25,567	$14,896	$68,440	$52,942	$18,650	$9,542	$190,037	$28,419	$11,661	$5,646	$10,657	$8,543	$1,507	$66,433
TOTAL COST IRIGARAY AND CHRISTENSEN														$256,470
CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL														
Area (Ft^2)	8020	7100	17600	18400	5600	3600		9600	0	1440	3600	0	1000	
Average Thickness (Ft)	0.5	0.5	0.5	0.5	1	0.5		0.5	0.0	0.5	0.5	0.0	0.5	
Volume (Ft^3)	4010	3550	8800	9200	5600	1800		4800	0	720	1800	0	500	
Percent Requiring Decontamination	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Percent Decontaminated	0.0%	0.0%	75.0%	75.0%	40.0%	75.0%		75.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Decontamination ($/$Ft^2$)	$0.143	$0.143	$0.143	$0.143	$0.143	$0.143		$0.143	$0.000	$0.143	$0.143	$0.143	$0.143	
Decontamination Cost	$0	$0	$1,888	$1,973	$320	$386	$4,567	$1,030	$0	$206	$515	$0	$0	$1,750
Demolition ($/$Ft^2$)	$1.584	$1.584	$1.584	$1.584	$1.584	$1.584		$1.584	$1.584	$1.584	$1.584	$1.584	$1.584	
Demolition Cost	$12,704	$11,246	$27,878	$29,146	$8,870	$5,702	$95,547	$15,206	$0	$2,281	$5,702	$0	$1,584	$24,774
Transportation & Disposal														
A. Onsite Disposal														
Percent to be Disposed Onsite	100%	100%	75%	75%	40%	75%		75%	0%	100%	100%	0%	100%	
Transportation Cost	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	
Disposal Cost per Cubic Foot	$0.049	$0.049	$0.049	$0.049	$0.049	$0.049		$0.049	$0.049	$0.049	$0.049	$0.049	$0.049	
Disposal Cost ($)	$196	$174	$323	$338	$110	$66	$1,208	$176	$0	$35	$88	$0	$25	$324
B. Licensed Site														
Percent to be Shipped	0%	0%	25%	25%	60%	25%		25%	100%	0%	0%	100%	0%	
Distance (Miles)	150	150	150	150	150	150		150	150	150	150	150	150	
Cost per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost	$0	$0	$1,577	$1,648	$2,408	$323	$5,956	$860	$0	$0	$0	$0	$0	$860
Disposal Cost per Cubic Foot	$3.70	$3.70	$3.70	$3.70	$3.70	$3.70		$3.70	$3.70	$3.70	$3.70	$3.70	$3.70	
Quantity Per Truck Load (Yds^3)	20	20	20	20	20	20		20	20	20	20	20	20	
Quantity Per Truck Load (Ft^3)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost ($)	$0	$0	$8,140	$8,510	$12,432	$1,665	$30,747	$4,440	$0	$0	$0	$0	$0	$4,440
TOTAL COST	$12,900	$11,420	$39,806	$41,615	$24,140	$8,142	$138,025	$21,712	$0	$2,522	$6,305	$0	$1,609	$32,148
TOTAL COST IRIGARAY AND CHRISTENSEN														$170,173

COGEMA Mining, Inc.
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	Irigaray							Christensen						
	Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total
SOIL REMOVAL & DISPOSAL														
Assume removal of 3" of Contaminated Soil under Primary Areas, Disposal at a Licensed facility.														
Removal, Front End Loader ($50/hr)	$0	$0	$815	$852	$259	$167	$2,093	$444	$0	$0	$0	$0	$0	$444
Quantity to be Shipped (Ft^3)	0	0	4400	4600	1400	900		2400	0	0	0	0	0	
Distance (Miles)	150	150	150	150	150	150		150	150	150	150	150	150	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58		$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)	$0	$0	$3,153	$3,297	$1,003	$645	$8,098	$1,720	$0	$0	$0	$0	$0	$1,720
Disposal fee Per Cubic Foot($)	$3.70	$3.70	$3.70	$3.70	$3.70	$3.70		$3.70	$3.70	$3.70	$3.70	$3.70	$3.70	
Quantity per Truckload (Ft^3)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost ($)	$0	$0	$16,280	$17,020	$5,180	$3,330	$41,810	$8,880	$0	$0	$0	$0	$0	$8,880
Total Cost	$0	$0	$20,248	$21,169	$6,442	$4,142	$52,001	$11,044	$0	$0	$0	$0	$0	$11,044
TOTAL COST	$0	$0	$20,248	$21,169	$6,442	$4,142	$69,370	$11,044	$0	$0	$0	$0	$0	$11,044
TOTAL COST IRIGARAY AND CHRISTENSEN														$80,414
TOTAL COST	$38,467	$26,317	$128,494	$115,726	$49,233	$21,826	$380,063	$61,175	$11,661	$8,169	$16,962	$8,543	$3,116	$109,625
TOTAL COST IRIGARAY AND CHRISTENSEN														$489,688

COGEMA Mining, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 4

POND RECLAMATION COST	Irigaray							517				Christensen					
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Pond 1	Pond 2A	Pond 2B	Pond 2C	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond	
POND SLUDGE:																	
Average Sludge Depth (Ft)	0.250	0.080	0.250	0.170	0.020	0.600	0.020	0.080	0.170	0.080	0.250	0.010	0.010	0.010	0.010	0.000	
Average Area of Sludge (Ft^2)	64044	63450	64044	63529	25650	54000	54000	24975	20012	10125	2160	21600	21600	21600	21600	0	
Volume of Sludge (Ft^3)	16011	5076	16011	10800	513	32400	1080	1998	3402	810	540	216	216	216	216	0	
Volume of Sludge (Yds^3)	593	188	593	400	19	1,200	40	74	126	30	20	8	8	8	8	0	
Volume of Sludge Per Truck Load (Yds^3)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
# of Truck Loads of Sludge	29.7	9.4	29.7	20.0	1.0	60.0	2.0	3.7	6.3	1.5	1.0	0.4	0.4	0.4	0.4	0.0	
Sludge Handling Cost Per Load ($)	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	
Total Sludge Handling Cost ($)	$5,940	$1,880	$5,940	$4,000	$200	$12,000	$400	$740	$1,260	$300	$200	$80	$80	$80	$80	$0	
Transportation & Disposal																	
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Distance (Miles)	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)	$11,494	$3,638	$11,494	$7,740	$387	$23,220	$774	$1,432	$2,438	$581	$387	$155	$155	$155	$155	$0	
Disposal Cost Per Cubic Foot ($)	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	
Quantity Per Truck Load (Yds^3)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
Quantity Per Truck Load (Ft^3)	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	
Disposal Cost ($)	$176,418	$55,836	$176,418	$118,800	$5,940	$356,400	$11,880	$21,978	$37,422	$8,910	$5,940	$2,376	$2,376	$2,376	$2,376	$0	
Total Transportation & Disposal ($)	$187,912	$59,474	$187,912	$126,540	$6,327	$379,620	$12,654	$23,410	$39,860	$9,491	$6,327	$2,531	$2,531	$2,531	$2,531	$0	
TOTAL SLUDGE COST ($)	$193,852	$61,354	$193,852	$130,540	$6,527	$391,620	$13,054	$24,150	$41,120	$9,791	$6,527	$2,611	$2,611	$2,611	$2,611	$0	$1,082,831
POND LINER:																	
Total Pond Area (Acres)	1.75	1.72	1.75	1.72	0.78	2.17	2.17	0.85	0.43	0.43	0.11	1.10	1.10	1.10	1.10	0.00	
Total Pond Area (Ft^2)	76230	74923.2	76230	74923.2	33976.8	94525.2	94525.2	37026	18730.8	18730.8	4791.6	47916	47916	47916	47916	0	
Factor For Sloping Sides	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	0.0%	
Total Liner Area (Ft^2)	91476	89908	91476	89908	40772	113430	113430	44431	22477	22477	5750	57499	57499	57499	57499	0	
Liner Thickness (Millimeters)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	
Liner Thickness (Inches)	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0	
Liner Thickness (Ft)	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0	
"Swell" Factor	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	0.0%	
Liner Volume (Ft^3)	1121	1101	1121	1101	499	1390	1390	544	275	275	70	704	704	704	704	0	
Truck Loads of Liner	2.1	2.0	2.1	2.0	0.9	2.6	2.6	1.0	0.5	0.5	0.1	1.3	1.3	1.3	1.3	0.0	
Liner Handling Cost ($)																	
Labor Crew Cost per Hour ($)	$100	$100	$100	$100	$100	$100	$100	$100	$100	$100	$100	$100	$100	$100	$100	$0	
Hours per Load	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	
Liner Handling Cost Per Load ($)	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$200.00	$0.00	
Total Liner Handling Cost ($)	$420	$400	$420	$400	$180	$520	$520	$200	$100	$100	$20	$260	$260	$260	$260	$0	
Transportation & Disposal																	
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Distance (Miles)	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Cost Per Mile ($)	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	$2.58	
Transportation Cost ($)	$813	$774	$813	$774	$348	$1,006	$1,006	$387	$194	$194	$39	$503	$503	$503	$503	$0	
Disposal Cost Per Cubic Foot ($)	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	
Quantity Per Truck Load (Ft^3)	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	
Disposal Cost ($)	$12,474	$11,880	$12,474	$11,880	$5,346	$15,444	$15,444	$5,940	$2,970	$2,970	$594	$7,722	$7,722	$7,722	$7,722	$0	
Total Transportation & Disposal ($)	$13,287	$12,654	$13,287	$12,654	$5,694	$16,450	$16,450	$6,327	$3,164	$3,164	$633	$8,225	$8,225	$8,225	$8,225	$0	
TOTAL LINER COST ($)	$13,707	$13,054	$13,707	$13,054	$5,874	$16,970	$16,970	$6,527	$3,264	$3,264	$653	$8,485	$8,485	$8,485	$8,485	$0	$140,983
POND BACKFILL:																	
Backfill required (Yds^3)	8740	8580	8740	8580	2517	14617	16319	2345	1837	1537	163	9048	9048	9048	9048	18070	
Backfill Cost ($/Yd^3$)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
TOTAL BACKFILL COST ($)	$8,740	$8,580	$8,740	$8,580	$2,517	$14,617	$16,319	$2,345	$1,837	$1,537	$163	$9,048	$9,048	$9,048	$9,048	$18,070	$128,237

COGE[illegible]ing, Inc.
Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 4

POND RECLAMATION COST	Irigaray							517				Christensen					
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Pond 1	Pond 2A	Pond 2B	Pond 2C	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond	
LEAK DETECTION SYSTEM REMOVAL																	
Volume of Gravel and Piping (Ft^3) (Assume 3")			14337	13851				9261									
Quantity per Truckload (Ft^3)			540	540				540									
Quantity to be Shipped (Loads)			26.6	25.7				17.2									
Distance (Miles)			150	150				150									
Cost per Mile ($)			$2.58	$2.58				$2.58									
Transportation Cost ($)			$10,275	$9,927				$6,637									
Handling Cost ($200/Load)			$5,310	$5,130				$3,430									
Disposal Fee per Cubic Foot ($)			$3.70	$3.70				$3.70									
Disposal Cost ($)			$53,047	$51,249				$34,266									
TOTAL LEAK DETECTION SYSTEM REMOVAL	$0	$0	$68,632	$66,305	$0	$0	$0	$44,333	$0	$0	$0	$0	$0	$0	$0	$0	$179,270
TOTAL POND RECLAMATION COST	$216,299	$82,988	$284,930	$218,479	$14,918	$423,207	$46,343	$77,355	$46,221	$14,592	$7,343	$20,144	$20,144	$20,144	$20,144	$18,070	$1,531,321

SUMMARY - IRIGARAY:

TOTAL SLUDGE COST ($)	$1,072,387
TOTAL LINER COST ($)	$107,043
TOTAL BACKFILL COST ($)	$73,975
LEAK DETECTION SYSTEM REMOVAL	$179,270
TOTAL POND RECLAMATION COST	$1,432,675

SUMMARY - CHRISTENSEN:

TOTAL SLUDGE COST ($)	$10,444
TOTAL LINER COST ($)	$33,940
TOTAL BACKFILL COST ($)	$54,262
LEAK DETECTION SYSTEM REMOVAL	$0
TOTAL POND RECLAMATION COST	$98,646

TOTAL PROJECT COST - CR and IR ($)	$1,531,321

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

	Irigaray				Christensen			
	Mine Units #1 Thru #9	517 USMT Test Sites	Monitor/ Trend	Sub Total	Mine Units #2 Thru #7	Monitor/ Trend	Misc. Regional	Sub Total
Number of Wells	1064	24	315	1403	2094	327	137	2558
Average Depth	250	250	250		410	410	410	
Average Diameter	4.5	4.5	4.5		4.5	4.5	4.5	
Materials								
Bentonite Chips Required (Ft^3/Well)	11.6	11.6	11.6		11.6	11.6	11.6	
Bags of Chips Required/Well	15.0	15.0	15.0		15.0	15.0	15.0	
Cost Per Bag ($)	$4.00	$4.00	$4.00		$4.00	$4.00	$4.00	
Cost/Well Bentonite Chips ($)	$60.00	$60.00	$60.00		$60.00	$60.00	$60.00	
Gravel Fill Required (Ft^3/Well)	15.7	15.7	15.7		33.6	33.6	33.6	
Gravel Fill Required (Yd^3/Well)	0.6	0.6	0.6		1.2	1.2	1.2	
Cost of Gravel/Yd^3 ($)	$17.53	$17.53	$17.53		$17.53	$17.53	$17.53	
Cost/Well Gravel Fill ($)	$10.19	$10.19	$10.19		$21.82	$21.82	$21.82	
Cement Cone/Markers Req'd/Well	1.0	1.0	1.0		1.0	1.0	1.0	
Cost of Cement Cones/Markers ($)	$4.00	$4.00	$4.00		$4.00	$4.00	$4.00	
Total Materials Cost per Well	$74.19	$74.19	$74.19		$85.82	$85.82	$85.82	
Labor								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Labor Cost per Hour	$60.00	$60.00	$60.00		$60.00	$60.00	$60.00	
Total Labor Cost per Well ($)	$60.00	$60.00	$60.00		$60.00	$60.00	$60.00	
Equipment Rental								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Backhoe w/Operator Cost/Hr ($)	$30.00	$30.00	$30.00		$30.00	$30.00	$30.00	
Total Equipment Cost per Well ($)	$30.00	$30.00	$30.00		$30.00	$30.00	$30.00	
Total Cost per Well ($)	$164.19	$164.19	$164.19		$175.82	$175.82	$175.82	
TOTAL WELL ABANDONMENT COST ($)	$174,702	$3,941	$51,721	$230,363	$368,157	$57,492	$24,087	$449,735

GRAND TOTAL IRIGARAY AND CHRISTENSEN	$680,098

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

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
I Wellfield Piping							
A. Removal							
Length/Well (Ft)	100	300	300	300			
Total Number of Wells	1064	1021	494	446			
Total Quantity (Ft)	106400	306300	148200	133800			
Cost of Removal ($/Ft)	$0.162	$0.162	$0.162	$0.162			
Cost of Removal ($)	$17,237	$49,621	$24,008	$21,676			$112,541
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft^3/Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft^3)	1,702	4,901	2,371	2,141			
Quantity Per Truck Load (Ft^3)	540	540	540	540			
Total Number of Truck Loads	3.2	9.1	4.4	4.0			
B. Survey & Decontamination							
Percent Requiring Decontamination	0%	0%	0%	0%			
Loads for Decontamination	0.0	0.0	0.0	0.0			
Cost for Decontamination ($/Load)	$461.70	$461.70	$461.70	$461.70			
Cost for Decontamination ($)	$0	$0	$0	$0			$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%			
Loads To Be Shipped	0.0	0.0	0.0	0.0			
Distance (Miles)	48	48	48	48			
Transportation Cost ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$0	$0	$0	$0			$0
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00			
Yds^3 Per Load	20	20	20	20			
Disposal Cost ($)	$0	$0	$0	$0			
Total Cost - Landfill	$0	$0	$0	$0			$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%			
Loads To Be Shipped	3.2	9.1	4.4	4.0			
Distance (Miles)	150	150	150	150			
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$1,238	$3,522	$1,703	$1,548			$8,011
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00			
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00			
Quantity Per Truck Load (Yds^3)	20	20	20	20			
Disposal Cost ($)	$19,008	$54,054	$26,136	$23,760			$122,958
Total Cost - Licensed Site	$20,246	$57,576	$27,839	$25,308			$130,969
Total Cost - Transport & Disposal	$20,246	$57,576	$27,839	$25,308			$130,969
Total Cost - WF Piping Removal & Disposal	$37,483	$107,196	$51,847	$46,984	$0	$0	$243,510

COGEMA Mining, Inc.
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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
II. Production Well Pumps							
A. Pump and Tubing Removal							
Number of Production Wells	424	443	217	202			
Cost of Removal ($/well)	$18.00	$18.00	$18.00	$18.00			
Cost of Removal ($)	$7,632	$7,974	$3,906	$3,636			$23,148
Number of Pumps Per Truck Load	180	180	180	180			
Number of Truck Loads (Pumps)	2.4	2.5	1.2	1.1			
B. Survey & Decontamination (Pumps)							
Percent Requiring Decontamination	50.0%	50.0%	50.0%	50.0%			
Loads for Decontamination	1.2	1.3	0.6	0.6			
Cost for Decontamination ($/Load)	$461.70	$461.70	$461.70	$461.70			
Cost for Decontamination ($)	$554	$600	$277	$277			$1,708
C. Tubing Volume Reduction & Loading							
Length per Well (Ft)	100	300	300	450			
Total Quantity (Ft)	42,400	132,900	65,100	90,900			
Cost of Removal ($/Ft)	$0.02	$0.02	$0.02	$0.02			
Cost of Removal ($)	$848	$2,658	$1,302	$1,818			$6,626
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft^3/Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft^3)	678	2,126	1,042	1,454			
Quantity per Truckload (Ft^3)	540	540	540	540			
Number of Truck Loads	1.3	3.9	1.9	2.7			
D. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%			
Loads To Be Shipped	1.2	1.3	0.6	0.6			
Distance (Miles)	48	48	48	48			
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$149	$161	$74	$74			$458
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00			
Yds^3 Per Load	20	20	20	20			
Disposal Cost ($)	$288	$312	$144	$144			$888
Total Cost - Landfill	$437	$473	$218	$218			$1,346
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%			
Percent To Be Shipped (Tubing)	100.0%	100.0%	100.0%	100.0%			
Loads To Be Shipped	2.5	5.2	2.5	3.2			
Distance (Miles)	150	150	150	150			
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58			
Transportation Cost ($)	$951	$2,008	$979	$1,255			$5,192
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00			
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00			
Quantity Per Truck Load (Yds^3)	20	20	20	20			
Disposal Cost ($)	$14,590	$30,815	$15,022	$19,265			$79,693
Total Cost - Licensed Site	$15,541	$32,823	$16,000	$20,521			$84,885
Total Cost - Transport & Disposal	$15,978	$33,296	$16,219	$20,739			$86,231
Total Cost - Pump Removal & Disposal	$25,012	$44,528	$21,704	$26,470	$0	$0	$117,713

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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
III Surface Trunkline Piping							
A. Removal							
Total Quantity (Ft)	44700	0	0	0	0	0	
Cost of Removal ($/Ft)	$0.120	$0.120	$0.120	$0.120	$0.120	$0.120	
Cost of Removal ($)	$5,364	$0	$0	$0	$0	$0	$5,364
Average OD (Inches)	8.750	8.750	0.000	0.000	0.000	0.000	
Chipped Volume Reduction (Ft^3/Ft)	0.088	0.088	0.088	0.088	0.088	0.088	
Chipped Volume (Ft^3)	3934	0	0	0	0	0	
Quantity Per Truck Load (Ft^3)	540	540	540	540	0	0	
Total Number of Truck Loads	7.3	0.0	0.0	0.0	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination ($/Load)	$461.70	$461.70	$461.70	$461.70	$0.00	$0.00	
Cost for Decontamination ($)	$0	$0	$0	$0	$0	$0	$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	48	48	48	48	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$0	$0	$0	$0	$0	$0	$0
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00	$0.00	$0.00	
Yds^3 Per Load	20	20	20	20	0	0	
Disposal Cost ($)	$0	$0	$0	$0	$0	$0	$0
Total Cost - Landfill	$0	$0	$0	$0	$0	$0	$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	7.3	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	150	150	150	150	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$2,819	$0	$0	$0	$0	$0	$2,819
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00	$0.00	$0.00	
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00	$0.00	$0.00	
Quantity Per Truck Load (Yds^3)	20	20	20	20	0	0	
Disposal Cost ($)	$43,270	$0	$0	$0	$0	$0	$43,270
Total Cost - Licensed Site	$46,089	$0	$0	$0	$0	$0	$46,089
Total Cost - Transport & Disposal	$46,089	$0	$0	$0	$0	$0	$46,089
Total Cost - Surface Trunkline Removal & Disposal	$51,453	$0	$0	$0	$0	$0	$51,453

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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
IV Buried Trunkline							
A. Removal							
Total Quantity (Ft)	7300	11565	24500	47000	0	0	
Cost of Removal ($/Ft)	$2.35	$2.35	$2.35	$2.35	$2.35	$2.35	
Cost of Removal ($)	$17,155	$27,178	$57,575	$110,450	$0	$0	$212,358
Average OD (inches)	8.750	8.750	8.750	12.000	12.000	12.000	
Chipped Volume Reduction (Ft^3/Ft)	0.088	0.088	0.088	0.130	0.130	0.130	
Chipped Volume (Ft^3)	642	1018	2156	6110	0	0	
Quantity Per Truck Load (Ft^3)	540	540	540	540	0	0	
Number of Truck Loads	1.2	1.9	4.0	11.3	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination. ($/Load)	$461.70	$461.70	$461.70	$461.70	$0.00	$0.00	
Cost for Decontamination. ($)	$0	$0	$0	$0	$0	$0	$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	48	48	48	48	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$0	$0	$0	$0	$0	$0	$0
b. Disposal							
Disposal Fee Per Yd^3	$12.00	$12.00	$12.00	$12.00	$0.00	$0.00	
Yds^3 Per Load	20	20	20	20	0	0	
Disposal Cost ($)	$0	$0	$0	$0	$0	$0	$0
Total Cost - Landfill	$0	$0	$0	$0	$0	$0	$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	1.2	1.9	4.0	11.3	0.0	0.0	
Distance (Miles)	150	150	150	150	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$464	$735	$1,548	$4,373	$0	$0	$7,121
b. Disposal							
Disposal Cost Per Ft^3	$11.00	$11.00	$11.00	$11.00	$0.00	$0.00	
Disposal Fee Per Yd^3	$297.00	$297.00	$297.00	$297.00	$0.00	$0.00	
Quantity Per Truck Load (Yds^3)	20	20	20	20	0	0	
Disposal Cost ($)	$7,128	$11,286	$23,760	$67,122	$0	$0	$109,296
Total Cost - Licensed Site	$7,592	$12,021	$25,308	$71,495	$0	$0	$116,417
Total Cost - Transport & Disposal	$7,592	$12,021	$25,308	$71,495	$0	$0	$116,417
Total Cost - Buried Trunkline Removal & Disposal	$24,747	$39,199	$82,883	$181,945	$0	$0	$328,775

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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
V Manholes							
A. Removal							
Total Quantity	5	8	5	11	0	0	
Cost of Removal ($ Each)	$110.00	$110.00	$110.00	$110.00	$110.00	$110.00	
Cost of Removal ($)	$550	$880	$550	$1,210	$0	$0	$3,190
Quantity Per Truck Load	10	10	10	10	10	10	
Number of Truck Loads	0.5	0.8	0.5	1.1	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination ($/Load)	$461.70	$461.70	$461.70	$461.70	$0.00	$0.00	
Cost for Decontamination ($)	$0	$0	$0	$0	$0	$0	$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Distance (Miles)	48	48	48	48	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$0	$0	$0	$0	$0	$0	$0
b. Disposal							
Disposal Fee Per Yd³ ($)	$12.00	$12.00	$12.00	$12.00	$0.00	$0.00	
Yds³ Per Load	20	20	20	20	0	0	
Disposal Cost ($)	$0	$0	$0	$0	$0	$0	$0
Total Cost - Landfill	$0	$0	$0	$0	$0	$0	$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	0.5	0.8	0.5	1.1	0.0	0.0	
Distance (Miles)	150	150	150	150	0	0	
Cost Per Mile ($/mile)	$2.58	$2.58	$2.58	$2.58	$0.00	$0.00	
Transportation Cost ($)	$194	$310	$194	$426	$0	$0	$1,122
b. Disposal							
Disposal Cost Per Ft³	$11.00	$11.00	$11.00	$11.00	$0.00	$0.00	
Disposal Fee Per Yd³	$297.00	$297.00	$297.00	$297.00	$0.00	$0.00	
Quantity Per Truck Load (Yds³)	20	20	20	20	0	0	
Disposal Cost ($)	$2,970	$4,752	$2,970	$6,534	$0	$0	$17,226
Total Cost - Licensed Site	$3,164	$5,062	$3,164	$6,960	$0	$0	$18,348
Total Cost - Transport & Disposal	$3,164	$5,062	$3,164	$6,960	$0	$0	$18,348
Total Cost Manhole Removal & Disposal	$3,714	$5,942	$3,714	$8,170	$0	$0	$21,538
TOTAL COST - WELLFIELD EQUIP REMOVAL & DISP	$142,408	$196,865	$160,147	$263,568	$0	$0	$762,989

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

TOPSOIL REPLACEMENT & REVEGETATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
I Process Plant and Office Building							
A. Topsoil Handling & Grading							
Affected Area (Acres)	5.0	2.5	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12.0	12.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	8067	4033	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$8,067	$4,033	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$50.00	$50.00	$50.00	$50.00	$50.00	$50.00	
Grading Cost ($)	$250	$125	$0	$0	$0	$0	
Sub Total - Topsoil	$8,317	$4,158	$0	$0	$0	$0	$12,475
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00	
Sub Total - Survey & Analysis	$375	$188	$0	$0	$0	$0	$563
C. Revegetation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$168.68	$168.68	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$276.54	$276.54	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$491.71	$491.71	
Sub Total - Revegation	$2,459	$1,229	$0	$0	$0	$0	$3,688
Sub Total - Process Plant and Office Bldg.	$11,150	$5,575	$0	$0	$0	$0	$16,725
II Ponds							
A. Topsoil Handling & Grading							
Affected Area (Acres)	20.0	12.0	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12	12	0	0	0	0	
Topsoil Volume (Yds³)	32267	19360	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$32,267	$19,360	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$50.00	$50.00	$50.00	$50.00	$50.00	$50.00	
Grading Cost ($)	$1,000	$600	$0	$0	$0	$0	
Sub Total - Topsoil	$33,267	$19,960	$0	$0	$0	$0	$53,227
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00	
Sub Total - Survey & Analysis	$1,500	$900	$0	$0	$0	$0	$2,400
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$168.68	$168.68	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$276.54	$276.54	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$491.71	$491.71	
Sub Total - Revegation	$9,834	$5,901	$0	$0	$0	$0	$15,735
Sub Total - Ponds	$44,601	$26,761	$0	$0	$0	$0	$71,362

COGEMA Mining, Inc.
Restoration and Reclamation Costs
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TOPSOIL REPLACEMENT & REVEGETATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
III Wellfields							
A. Topsoil Handling & Grading							
Affected Area (Acres)	40.0	55.0	30.0	50.0	35.0	40.0	
Average Affected Thickness (Ins)	3.5	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	18822	0	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$18,822	$0	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$50.00	$50.00	$50.00	$50.00	$50.00	$0.00	
Grading Cost ($)	$2,000	$2,750	$1,500	$2,500	$1,750	$0	
Sub Total - Topsoil	$20,822	$2,750	$1,500	$2,500	$1,750	$0	$29,322
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$75.00	$75.00	$75.00	$75.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$3,000	$4,125	$2,250	$3,750	$0	$0	$13,125
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$168.68	$168.68	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$276.54	$276.54	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$491.71	$491.71	
Sub Total - Revegation	$19,668	$27,044	$14,751	$24,586	$17,210	$19,668	$122,928
Sub Total - Wellfields ($)	$43,491	$33,919	$18,501	$30,836	$18,960	$19,668	$165,375
IV Roads							
A. Topsoil Handling & Grading							
Affected Area (Acres)	25.0	20.0	15.0	21.0	0.0	0.0	
Average Affected Thickness (Ins)	12	12	12	12	12	12	
Topsoil Volume (Yds³)	40333	32267	24200	33880	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$40,333	$32,267	$24,200	$33,880	$0	$0	
Unit Cost - Grading ($/Ac)	$50.00	$50.00	$50.00	$50.00	$50.00	$50.00	
Grading Cost ($)	$1,250	$1,000	$750	$1,050	$0	$0	
Sub Total - Topsoil	$41,583	$33,267	$24,950	$34,930	$0	$0	$134,730
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$75.00	$75.00	$75.00	$75.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$1,875	$1,500	$1,125	$1,575	$0	$0	$6,075
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49			
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68			
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54			
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71			
Sub Total - Revegation	$12,293	$9,834	$7,376	$10,326	$0	$0	$39,829
Sub Total - Roads ($)	$55,751	$44,601	$33,451	$46,831	$0	$0	$180,634

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TOPSOIL REPLACEMENT & REVEGETATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
V Other							
A. Topsoil Handling & Grading							
Affected Area (Acres)	41.0	19.0	5.0	5.0	0.0	0.0	
Average Affected Thickness (Ins)	0.0	0.0	0	0	0	0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$0	$0	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$50.00	$50.00	$50.00	$50.00	$50.00	$0.00	
Grading Cost ($)	$2,050	$950	$250	$250	$0	$0	
Sub Total - Topsoil	$2,050	$950	$250	$250	$0	$0	$3,500
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$75.00	$75.00	$75.00	$75.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$3,075	$1,425	$375	$375	$0	$0	$5,250
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$0.00	$0.00	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$0.00	$0.00	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$0.00	$0.00	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$0.00	$0.00	
Sub Total - Revegation	$20,160	$9,342	$2,459	$2,459	$0	$0	$34,420
Sub Total - Other	$25,285	$11,717	$3,084	$3,084	$0	$0	$43,170
VI Remedial Action							
A. Topsoil Handling & Grading							
Affected Area (Acres)	65.5	54.3	25.0	38.0	17.5	20.0	
Average Affected Thickness (Ins)	0.0	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	
Unit Cost - Haul/Place ($/Yd³)	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	
Topsoil Handling Cost ($)	$0	$0	$0	$0	$0	$0	
Unit Cost - Grading ($/Ac)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
Grading Cost ($)	$0	$0	$0	$0	$0	$0	
Sub Total - Topsoil	$0	$0	$0	$0	$0	$0	$0
B. Radiation Survey & Soil Analysis							
Unit Cost ($/Ac)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
Sub Total - Survey & Analysis	$0	$0	$0	$0	$0	$0	$0
C. Revegation							
Fertilizer ($/Ac)	$46.49	$46.49	$46.49	$46.49	$46.49	$46.49	
Seeding Prep & Seeding ($/Ac)	$168.68	$168.68	$168.68	$168.68	$0.00	$0.00	
Mulching & Crimping ($/Ac)	$276.54	$276.54	$276.54	$276.54	$0.00	$0.00	
Sub Total Cost/Acre	$491.71	$491.71	$491.71	$491.71	$46.49	$46.49	
Sub Total - Revegation	$32,207	$26,675	$12,293	$18,685	$814	$930	$91,603
Sub Total - Remedial Action	$32,207	$26,675	$12,293	$18,685	$814	$930	$91,603
TOTAL COST - TOPSOIL & REVEGETATION	$212,485	$149,248	$67,328	$99,435	$19,773	$20,598	$568,868

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	MISCELLANEOUS RECLAMATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
I	Fence Removal & Disposal							
	Quantity (Feet)	15240	35260	20000	9000	0	0	
	Cost of Removal/Disposal ($/Ft)	$0.49	$0.49	$0.49	$0.49	$0.49	$0.49	
	Cost of Removal/Disposal ($)	$7,468	$17,277	$9,800	$4,410	$0	$0	$38,955
II	Powerline Removal & Disposal							
	Quantity (Feet)	9450	10565	18000	18000	0	0	
	Cost of Removal/Disposal ($/Ft)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
	Cost of Removal/Disposal ($)	$0	$0	$0	$0	$0	$0	$0
III	Powerpole Removal & Disposal							
	Quantity	25	30	60	60	0	0	
	Cost of Removal/Disposal ($/Each)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
	Cost of Removal/Disposal ($)	$0	$0	$0	$0	$0	$0	$0
IV	Transformer Removal & Disposal							
	Quantity	3	1	0	18	0	0	
	Cost of Removal/Disposal ($/Each)	$2,040	$2,040	$2,040	$500	$500	$500	
	Cost of Removal/Disposal ($)	$6,120	$2,040	$0	$9,000	$0	$0	$17,160
V	Booster Pump Assembly Removal & Disposal							
	Quantity	0	6	5	5	0	0	
	Cost of Removal/Disposal ($/Each)	$250	$250	$250	$250	$250	$250	
	Cost of Removal/Disposal ($)	$0	$1,500	$1,250	$1,250	$0	$0	$4,000
VI	Culvert Removal & Disposal							
	Quantity (Feet)	150	1200	1000	1000	0	0	
	Cost of Removal/Disposal ($/Ft)	$2.86	$2.86	$2.86	$2.86	$2.86	$2.86	
	Cost of Removal/Disposal ($)	$429	$3,432	$2,860	$2,860	$0	$0	$9,581
VII	Guardrail Removal							
	Quantity (Feet)	200	3000	0	0	0	0	
	Cost of Removal/Disposal ($/Ft)	$5.20	$5.20	$5.20	$5.20	$5.20	$5.20	
	Cost of Removal/Disposal ($)	$1,040	$15,600	$0	$0	$0	$0	$16,640
VIII	Low Water Stream Crossing							
	Quantity	0	1	1	0	0	0	
	Cost of Removal/Disposal ($/Each)	$7,000	$7,000	$7,000	$7,000	$7,000	$7,000	
	Cost of Removal/Disposal ($)	$0	$7,000	$7,000	$0	$0	$0	$14,000
IX	Utilities Cost							
	Quantity (Mos)	4	8	4	4	0	0	
	Cost Per Month ($/Month)	$2,000	$1,000	$1,000	$1,000	$1,000	$1,000	
	Total Cost ($)	$8,000	$8,000	$4,000	$4,000	$0	$0	$24,000
	TOTAL MISCELLANEOUS COST	$23,057	$54,849	$24,910	$21,520	$0	$0	$124,336

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