



COGEMA

COGEMA Mining Inc.

IRIGARAY and CHRISTENSEN RANCH PROJECTS

ANNUAL REPORT

WDEQ PERMIT TO MINE No. 478

August 19, 2004 – August 18, 2005

August 2005

ANNUAL REPORT
PERMIT TO MINE NO. 478
August 19, 2004 through August 18, 2005

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

REQUIRED ANNUAL REPORT INFORMATION

1. GENERAL INFORMATION:

Name of Permittee: COGEMA Mining, Inc.
P.O. Box 730
Mills, Wyoming 82644

Mining Permit Number: Permit to Mine No. 478

Date of Permit Issuance: August 18, 1978
Amendment No. 1: March 6, 1987
Amendment No. 2: September 12, 1988

Mineral Mined: Uranium

State and Federal Mineral Lease Numbers Inside Permit Area:

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

2. REPORTING PERIOD:

The annual WDEQ report period for Permit No. 478 is August 19, 2004 through August 18, 2005. However, to be consistent with past annual reports and to simplify data reporting the actual period that this report covers is: July 1, 2004 through June 30, 2005.

3. MINING:

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

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

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

Irigaray Project:

Years Affected	Acreage
All disturbances prior to August 17, 1978	9.00 Acres
August 18, 1978 - August 18, 1979	74.56 Acres
August 19, 1979 - August 18, 1980	43.38 Acres
August 19, 1980 - August 18, 1981	4.66 Acres
August 19, 1981 - August 18, 1995	0.00 Acres
August 19, 1995 - August 18, 1996	1.50 Acres
August 19, 1996 - August 18, 2004	0.00 Acres
Total	133.10 Acres

Christensen Ranch Project:

Years Affected	Acreage
August 19, 1988 - August 18, 1989	79.60 Acres ¹
August 19, 1989 - August 18, 1990	10.5 Acres ²
August 19, 1990 - August 18, 1992	0.00 Acres
August 19, 1992 - August 18, 1993	106.87 Acres ³
August 19, 1993 - August 18, 1994	5.00 Acres ⁴
August 19, 1994 - August 18, 1995	40.72 Acres ⁵
August 19, 1995 - August 18, 1996	66.26 Acres ⁶
August 19, 1996 - August 18, 1997	33.70 Acres ⁷
August 19, 1997 - August 18, 1998	12.98 Acres ⁸
August 19, 1998 - August 18, 1999	95.70 Acres ⁹
August 19, 1999 - August 18, 2000	2.53 Acres ¹⁰
August 19, 2000 - August 18, 2004	0.00 Acres
Total	453.90 Acres

GRAND TOTAL (IR & CR)

587.00 Acres

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

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

Stockpile No.	Estimated Volume (yd³)	Date Stockpiled
<u>Irigaray Project:</u>		
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

*IR stockpile No. 1 was utilized for the restoration efforts of 5I7 in May 2004.

Christensen Ranch Project:

1	71,787.0	Sep. 1988
2	17,182.0	Sep. 1988
3	14,278.0	Oct. 1988
4	16,779.0	Oct. 1988
5	6,520.0	Mar. 1993
6	1,680.0	Apr. 1993
7	8,291.2	May 1995
8	4,315.0	Jun. 1995
9	16,822.0	Jun. 1995
10	1,157.0	Apr. 1996
11	4,888.9	Jul. 1996
12	4,120.0	Jan. 1997
13	2,284.7	Feb. 1997
13*	1,230.0	May 1998
14	2,591.3	Dec. 1999

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

- d) Due to the nature of in-situ mining, no spoil material has been produced or stockpiled.
- e) A total of 14,705 pounds of uranium as U₃O₈ was captured from groundwater restoration operations at CR during the report period. Tabulated quantity of uranium recovered from both projects is provided below:

Year	Lbs. U ₃ O ₈
December, 1978 - August 18, 1979	101,581
August 19, 1979 - August 18, 1980	122,462
August 19, 1980 - August 18, 1981	58,394
August 19, 1981 - August 18, 1982	425
August 19, 1982 - August 18, 1987	0
August 19, 1987 - August 18, 1988	127,350
August 18, 1988 - July 31, 1989	245,514
November 6, 1989 - February 1, 1990	105,030
August 19, 1990 - August 18, 1991	6,224
August 19, 1991 - July 31, 1992	239,723
August 1, 1992 - June 30, 1993	168,967
July 1, 1993 - June 30, 1994	323,726
July 1, 1994 - June 30, 1995	417,237
July 1, 1995 - June 30, 1996	713,238
July 1, 1996 - June 30, 1997	650,197
July 1, 1997 - June 30, 1998	523,237
July 1, 1998 - June 30, 1999	201,010
July 1, 1999 - June 30, 2000	146,264
July 1, 2000 - June 30, 2001	32,411
July 1, 2001 - June 30, 2002	39,415
July 1, 2002 - June 30, 2003	24,712
July 1, 2003 - June 30, 2004	17,700
July 1, 2004 - June 30, 2005	14,705
Total	3,996,660

- f) No new construction occurred, as described above.
- g) No significant environmental problem areas were noted at either project site during this report period.
- h) There were no reportable spills during this report period.

4. SURFACE RECLAMATION AND GROUNDWATER RESTORATION:

Surface Reclamation:

- a) There was no surface reclamation done during this report period.
- b) Vegetation cover remains good in the 5I7 pond and wellfield areas where the permanent seed mix was planted in May 2004. However, during the spring and early summer of 2005, mustard weed infested these areas. Both pond and wellfield areas were mowed in June 2005

prior to seed production to help control the weeds.

- c) The annual noxious weed-spraying program was initiated in July 2005 and is ongoing at the time of this report. To date, 5 gallons of Tordon 22K, 25 gallons of Amine 2-4-D and 2.5 gallons of Opti-Amine weed killer have been applied primarily on Scotch and Canadian Thistle, Milk Vetch, Cocklebur and Tamarisk (Salt Cedar) bushes. One Tamarisk bush was removed from the Irigaray laydown area with a backhoe.

Groundwater Restoration - Irigaray Project:

Groundwater restoration activities were concluded in November 2001, and groundwater stabilization monitoring was completed in August 2002. A report requesting approval of the Irigaray groundwater restoration was submitted to the WDEQ in July 2004. The report is currently under technical review by the WDEQ.

Groundwater Restoration - Christensen Ranch Project:

Groundwater restoration activities continued at Christensen Ranch during this report period. A summary of the activities for each mine unit follows:

Mine Unit 2:

All groundwater restoration work was completed in MU2 in September 2003. Stabilization monitoring began in March 2004 and was completed with the fourth sample round taken in January 2005. Preparations are underway for the final restoration report submittal to the regulatory agencies.

Mine Unit 3:

All groundwater restoration work was completed in MU3 in September 2004. The first round of stabilization monitoring samples was taken in October 2004. The fourth and final round of stabilization monitoring was conducted in July 2005. Preparations are underway for the final restoration report submittal to the regulatory agencies.

Mine Unit 4:

Groundwater restoration work was completed in MU4 in June 2003. The first round of stabilization monitoring samples was collected in April 2004. The fourth and final round of stabilization monitoring was conducted in January 2005. Preparations are underway for the final restoration report submittal to the regulatory agencies.

Mine Unit 5:

Groundwater restoration work was completed in MU5 in November 2003. Round one of stabilization sampling was collected in November 2003. The fourth and final round of stabilization sampling was collected in August 2004. WDEQ personnel were present to split samples for the last round. Preparations are underway for the final restoration report submittal to the regulatory agencies.

Mine Unit 6:

The groundwater sweep phase of restoration began in September 2000 and was completed in February 2003. The reverse osmosis phase began in October 2003 and continued through May 2005. A decision was made in March 2005 to add reductant (H₂S gas) to the permeate injection stream within portions of the mine unit that were not responding to RO treatment (experiencing higher uranium and selenium values than the remainder of the mine unit). The H₂S injection continued through May 30 at which time all groundwater restoration was ceased. The first stabilization monitoring samples were collected from Mine Unit 6 in June 2005. The second round is scheduled for September 2005, third round in December 2005, and the fourth and last round is scheduled for March 2006.

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

5. **MINING PLANS:**

As stated in Section 3, COGEMA ceased all mining activities on June 23, 2000. A resumption of mining activities is possible due to the rising market price for uranium. If mining were to resume, activity would begin in Christensen Mine Unit 7, during year 2006. WDEQ will be informed of any decisions to continue mining activity.

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

Irigaray Surface Reclamation:

Pond dewatering and decommissioning of IR ponds A, C, D, E and RA (see IR Map - Appendix 4) was started in June 2003. Currently ponds A, C, RA and E have been completely emptied of sludge material and liners removed and disposed of at the Pathfinder - Shirley Basin disposal site. During this report period, Canberra, Inc, conducted surface gamma radiation surveys for Ponds A, C, RA and E. Soil sampling, removal of any contaminated soils, then backfilling and contouring operations, will follow this. Ponds B and RB will remain in place until all water is evaporated and the ponds are no longer needed. If mining at Christensen should resume in 2006, the ponds would not be backfilled, but instead re-lined to use for solution evaporation from Christensen resin processing conducted at Irigaray.

At Irigaray PU 1 through 9, equipment removal was started in May 2003 with removal of wellfield piping, conduit, wellhead boxes, and associated fixtures surveyed for possible contamination. All surface equipment removal was completed in July 2005. Canberra, Inc. conducted surface gamma radiation surveys of the Irigaray Production Units 1-9 in August. Well plugging and abandonment in Production Units 1 through 9 will commence as soon as regulatory approval for groundwater restoration is received.

Irigaray Groundwater Restoration:

All groundwater restoration has been completed at the Irigaray site. A formal request for restoration approval of the Production Units 1 through 9 was submitted to the WDEQ in July 2004. Final approval is expected during the fourth quarter of 2005.

Christensen Ranch Surface Reclamation:

Surface reclamation planned for the August 2005 through July 2006 period will include the plugging and abandonment of wells after groundwater restoration approval, plant decommissioning, wellfield surface equipment removal and reclamation, trunklines removal and pond decommissioning. If a decision were made to continue mining, then all of this activity would be postponed. A decision whether to continue mining or decommissioning should be made by January 2006.

7. MONITORING ACTIVITIES:

a) Groundwater Monitoring - Wellfield Monitor Wells:

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

Sample data for each monitor and trend well from January 1, 2005 through June 30, 2005 are contained in Appendix 2. Sample data from the second half of 2004 was included with the 2004 Annual Effluent and Monitoring Report, submitted in February 2005.

There currently are no wells on excursion status at IR.

There is currently one well that has been reported on excursion status at CR during this reporting period. Perimeter ore zone monitor well 5MW66 went on excursion on July 21, 2004 when all three of its Upper Control Limits (UCL) were exceeded. Because MU5 has been restored, it was agreed with WDEQ and NRC that the well would be taken off excursion status but would continue to be monitored on a quarterly basis until final restoration approval of MU5.

Groundwater Monitoring - Regional Ranch Wells:

Annual samples were collected from two regional ranch wells in July 2005. Five other ranch wells that are normally sampled have problems with inoperable pumps, and therefore, were not sampled at this time. When and if the ranch owner repairs or replaces the pumps, annual samples will again be collected for these wells. Regional well samples collected in July 2005 were analyzed for uranium along with four other radionuclides in the decay chain. The resulting concentrations were primarily Non Detectable (ND), with the remaining

concentrations within normal historical ranges. 2005 sample data are provided in Table 1 of Appendix 1. Sample data from the second half of 2004 were included with the 2004 Annual Effluent and Monitoring Report submitted to the WDEQ in February 2005.

Underground Injection Wells:

Two Class I injection wells are installed at the CR project and are licensed by WDEQ Permit Number UIC00-340 for industrial wastes. A total of 15,264,034 gallons of restoration water were injected into disposal well COGEMA DW No. 1, and 22,986,388 gallons were injected into disposal well Christensen 18-3 during the report period.

As required by UIC Permit 00-340 section I, paragraph 4, "COGEMA shall shut one of the wells covered by this permit in annually for a period of time long enough to observe a valid pressure falloff curve. Each year, a well which was not tested in the previous year shall be tested, until all wells are tested in sequence." To comply with this regulation COGEMA Christensen 18-3 was tested on August 31, 2004 through September 1, 2004. Petrotek Engineering of Littleton, Colorado performed the required Mechanical Integrity Test (MIT) and analysis of the falloff data. The results indicated that Christensen 18-3 "continues to be suitable for use as a Class I injector".

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

b) Surface Water Monitoring:

Willow Creek is an intermittent stream present within the permit boundary of both the IR and CR projects. Three sample locations are designated at each site: upstream, downstream and within the permit boundary. Annual samples were collected in July 2005 from the locations where flow was available, sites IR-17 and CR CG-05. An annual sample of the Powder River (IR-5) was also collected near the IR site, downstream from its confluence with Willow Creek.

The samples were analyzed for both radionuclide and chemical parameters. The resulting radionuclide concentrations were mostly non-detectable, with the remaining concentrations within historical ranges. The chemical parameters were also within historical ranges. 2005 sample data are contained in Table 2 of Appendix 1. Sample data from the second half of 2004 were submitted with the 2004 Annual Effluent and Monitoring Report dated February 2005.

The Federal Water Pollution Control Act and WDEQ - NPDES Program requires facilities with an approved Storm Water Discharge permit to collect water samples and report, "run-off from storm events with greater than 0.1 inches of rainfall", semi-annually in the second, fourth and sixth year of the license period. The CR project is covered by NPDES license WYR00-0904 for the period from September 1, 2002 to August 31, 2007. Year 2005

qualifies as the fourth year of the license period. However, during this period the CR project has had no chemical materials susceptible to storm water discharge and/or no storm events with rainfall greater than 0.1 inches where runoff was available for samples to be collected. Therefore, no samples have been collected through the first half of this reporting period (through June 2005) and/or analyzed for compliance with this permit.

Surface Discharge Monitoring:

A surface discharge outfall is present at each project for disposal of treated groundwater generated by restoration activities. The outfalls are licensed by the U.S. Environmental Protection Agency (EPA) under National Pollutant Discharge Elimination System (NPDES) permits issued by the WDEQ. No water was discharged at the IR project (Permit No. WY0028801, discharge 001) or at the CR site (Permit No. WY0033642, discharge 002) during this report period, therefore no data set is included.

Evaporation Pond Monitoring:

Weekly inspections are conducted on all operable evaporation ponds (currently two at IR and five at CR). On November 15, 2004, during a routine inspection, water was observed in the leak detection system. Thirteen small holes were found in the liner above the pond water level and immediately patched. Transfer of the pond water to CR Pond 2 was also started. On November 18, the leak detection system was re-checked and found to be dry. The pond leak was concluded. It was determined that moving a discharge line around on the liner could have caused the holes and subsequent water intrusion into the leak detection system.

On March 16, 2005 water was again detected in the CR Pond 4 leak detection system. Water transfer to CR Pond 2 was immediately initiated. After the water level was lowered in Pond 4, washing and acidizing of the liner was performed to provide a clean surface to look for potential holes in the liner. A separation of the pond liner was discovered along the northwest embankment. Repairs were made at this time. The weight of the sediment buildup on the northwest embankment is thought to be the cause the separation. Sediment buildup will be carefully watched to avoid having recurrence of this type of problem. The pond leakage event was declared as concluded in a letter to the regulatory agencies on July 8, 2005.

The reader is referred to the incident reports of December 2004 and March 2005 for details of the CR Pond 4 leakage. 2005 pond sample data are contained in Table 3 of Appendix 1. Sample data from the second half of 2004 was included with the 2004 Annual Effluent and Monitoring Report submitted in February 2005 and is repeated in this report for the reader's convenience.

c)-g) N/A.

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

reinitiated.

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

8. **RECLAMATION PERFORMANCE BOND ESTIMATE:**

An updated reclamation/restoration bond estimate for August 2004 through July 2005 is provided in Appendix 3. Few changes have been made to the 2004 bond estimate to prepare the new 2005 estimate. The changes include a 5.9% inflation rate from August 2003 (base surety estimate) through July 2005, the addition of an updated reclamation schedule (Figure 1), and a proposed 3.5% decrease in the total miscellaneous costs associated with third party contractors. An explanation of all changes is provided in Appendix 3.

A summary of the 2005-2006 reclamation bond estimate is provided in Appendix 3 as Table 1. Table 1 is the only worksheet that has been revised for this estimate. As noted, a 5.9% adjustment for inflation was added. Also, the total of third party costs and contingency has been adjusted downwards from a total of 23.5% to 20%. The new Grand Total restoration and reclamation cost for WDEQ is \$9,303,391. The NRC estimate is \$10,352,659 (NRC has not allowed any allowance for groundwater restoration work completed as WDEQ does). We respectfully request that WDEQ approve the new bond amount of \$9,303,391.

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

- a), b) COGEMA received no notices of violation or orders during this report period.
- c) No permit stipulations occurred during the report period.
- d) Other:

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

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

2. The following groundwater restoration volumes were calculated for the report period (data period of July 2004 through June 2005) from totalizing flowmeters:

	<u>Gallons Recovered (Kgallons)</u>	<u>Gallons Injected (Kgallons)</u>
Irigaray:	0	0
Christensen:	314,000	261,005

2005 monthly groundwater restoration volume data for CR are provided in Table 4 of Appendix 1. No restoration volume data is given for the IR project, since active restoration ceased there in October 2001.

3. Water quality monitoring data were previously provided in Section 7. a).
4. Piezometric maps of the monitored aquifers for IR and CR are included in Appendix 6. For the IR project these include: the shallow zone, coal zone, ore zone and deep zone. For the CR project they include: the shallow zone, ore zone and deep zone. The maps were constructed using water level data from monitor wells and production wells where applicable. This data was collected during June 2005.
5. MIT results are reported to the WDEQ by phone on a quarterly basis. Twenty-nine (29) MITs were completed during this report period with all wells passing the testing. This data is provided as Table 5 in Appendix 1.

6. DRILL HOLES AND ABANDONED WELLS:

No drill holes were completed or abandoned for exploration or mine expansion purposes. A total of one hundred thirty one (131) cased wells were plugged and abandoned at the Irigaray and Christensen sites during this report period.

APPENDIX 1

Tables

Table 1 – Ranch Wells Regional Groundwater

Table 2 – Surface Water Annual Samples

Table 3 – Evaporation Pond Samples

Table 4 - CR Groundwater Restoration Volumes

Table 5 – Mechanical Integrity Test Summary

Table 1

COGEMA Mining, Inc. - Irigaray and Christensen Ranch Projects
 2005 Annual Report
 Sample Type: Regional Groundwater (ranch wells) - Annual Samples

Sample Location: Christensen Ranch House #3	
	July 11, 2005
<u>Radionuclide</u>	<u>(uCi/ml)</u>
Uranium	1.0E-08
Thorium-230	n/d
Radium-226	1.0E-09
Lead-210	N/D
Polonium-210	N/D

Sample Location: Christensen Middle Artesian pump down	
	July 11, 2005
<u>Radionuclide</u>	<u>(uCi/ml)</u>
Uranium	
Thorium-230	
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Christensen Ellendale #4 pump down	
	July 11, 2005
<u>Radionuclide</u>	<u>(uCi/ml)</u>
Uranium	
Thorium-230	
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Christensen Del Gulch Lower #13 pump down	
	July 11, 2005
<u>Radionuclide</u>	<u>(uCi/ml)</u>
Uranium	
Thorium-230	
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Christensen Willow Corral #32 pump down	
	July 11, 2005
<u>Radionuclide</u>	<u>(uCi/ml)</u>
Uranium	
Thorium-230	
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Christensen First Artesian Well #1 pump down	
	July 11, 2005
<u>Radionuclide</u>	<u>(uCi/ml)</u>
Uranium	
Thorium-230	
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Irigaray Willow # 2	
	July 11, 2005
<u>Radionuclide</u>	<u>(uCi/ml)</u>
Uranium	N/D
Thorium-230	N/D
Radium-226	N/D
Lead-210	4.8E-09
Polonium-210	N/D

N/D = Non Detectable

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

TABLE 2 (Page 1 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects
 2005 Annual Report
 Sample Type: Surface Water, Annual Samples, July 11, 2005
 Sample Location: Irigaray Project
 N/D = NON DETECTABLE

	Willow Creek IR-9 Downstream	Willow Creek IR-14 Upstream	Willow Creek IR-17 Mine Site	Powder River IR-5 Ranch Site	LLD	10 CFR 20 Appendix B Effluent Limit (uCi/ml)
<u>Radionuclide</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	
Uranium)	No Sample	No Sample	1.4 E-8	8.6 E-9	0.2 E-9	3.0 E-07
Thorium-230			N/D	N/D	0.2 E-9	1.0 E-07
Radium-226			N/D	0.7E-9 +/- 0.2	0.2 E-9	6.0 E-08
Lead-210			4.8 E-9	N/D	2.7 E-9	1.0 E-08
Polonium-210			N/D	N/D	2.7 E-9	4.0 E-08
<u>Chemical Parameters</u>			<u>(mg/l)</u>	<u>(mg/l)</u>	<u>(mg/l)</u>	
Total Alkalinity			211	237	1	N/A
Chloride			40	532	1	N/A
TDS			3680	2910	2	N/A
Specific Conductivity (umhos/cm)			4120	4170	1	N/A
Sulfate			2050	1090	1	N/A
pH (units)			7.9	8.3	0.01	N/A
Arsenic			0.005	0.001	0.001	N/A
Selenium			0.001	0.003	0.001	N/A
<u>Estimated Flow Rate:</u>	No Flow	No Flow	Low	Medium		
Low = <5 cfs						
Medium = 5 - 50 cfs						
High = > 50 cfs						

TABLE 2 (Page 2 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects

2005 Annual Report

Sample Type: Surface Water, Annual Samples, July 11, 20005

Sample Location: Christensen Ranch Project

N/D = Non Detectable

	Willow Creek GS-01 Downstream (uCi/ml)	Willow Creek CG-05 Upstream (uCi/ml)	Willow Creek GS-03 Mine Site (uCi/ml)	LLD (uCi/ml)	10 CFR 20 Appendix B Effluent Limit (uCi/ml)
<u>Radionuclide</u>					
Uranium)	No Sample	4.0 E-9	No Sample	0.2 E-9	3.0 E-07
Thorium-230		N/D		0.2 E-9	1.0 E-07
Radium-226		8.0 E-10		0.2 E-9	6.0 E-08
Lead-210		< 2.7 E-9		2.7 E-9	1.0 E-08
Polonium-210		N/D		2.7 E-9	4.0 E-08
<u>Chemical Parameters</u>		(mg/l)		(mg/l)	
Total Alkalinity		253		1	N/A
Chloride		9		1	N/A
TDS		2450		2	N/A
Specific Conductivity (umhos/cm)		2880		1	N/A
Sulfate		1320		1	N/A
pH (units)		7.8		0.01	N/A
Arsenic		0.01		0.001	N/A
Selenium		N/D		0.001	N/A
<u>Estimated Flow Rate:</u>	No Flow	Low	No Flow		
Low = <5 cfs					
Medium = 5 - 50 cfs					
High = > 50 cfs					

TABLE 3 (Page 1 of 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2005 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: September 2, 2004

N/D =NON DETECTABLE

(3rd Quarter 2004)

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)		48,900		
Chloride (mg/l)		203,000		
NH4 as N (mg/l)		1.8		
NO3 & NO2 as N (mg/l)		1.21		
TDS (mg/l)		333,000		
Conductivity		155,000		
pH		8.1		
Zinc (mg/l)		N/D		
Uranium (mg/l)		753		
Radium 226 (pCi/l)		983+-43		

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)			44,400	35
Chloride (mg/l)			50,500	6
NH4 as N (mg/l)			N/D	N/D
NO3 & NO2 as N (mg/l)			0.22	0.06
TDS (mg/l)			143,000	310
Conductivity			105,000	447
pH			8.9	8.7
Zinc (mg/l)			N/D	N/D
Uranium (mg/l)			242	0.005
Radium 226 (pCi/l)			959 + -0.2	N/D

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	1,220	12,600	17,100	4,950
Chloride (mg/l)	704	28,300	47,400	7,010
NH4 as N (mg/l)	N/D	N/D	N/D	N/D
NO3 & NO2 as N (mg/l)	N/D	0.13	0.21	0.57
TDS (mg/l)	4,110	66,600	94,500	21,400
Conductivity	5,260	70,300	92,300	28,000
pH	8.9	9	8.9	8
Zinc (mg/l)	N/D	N/D	N/D	N/D
Uranium (mg/l)	9.8	12.4	11.3	191
Radium 226 (pCi/l)	22.4 + -3.3	10.3 + - 2.6	13.9 + - 1.9	260 + - 7.7

TABLE 3 (Page 2 of 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2005 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: 4TH Quarter of 2004 No samples, ponds frozen

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

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

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

TABLE 3 (Page 3 of 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2005 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: March 31, 2005 (1st Quarter of 2005)

IR Ponds A,C,D,E,& RA - empty N/D = Non Detectable

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)		11,100		
Chloride (mg/l)		139,000		
NH4 as N (mg/l)		0.6		
NO3 & NO2 as N (mg/l)		0.26		
TDS (mg/l)		220,000		
Conductivity		167,000		
pH		8.5		
Zinc (mg/l)		N/D		
Uranium (mg/l)		541		
Radium 226 (pCi/l)		517		

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)			17,600	109
Chloride (mg/l)			29,400	15
NH4 as N (mg/l)			0.2	0.3
NO3 & NO2 as N (mg/l)			0.32	N/D
TDS (mg/l)			85,000	480
Conductivity			80,100	732
pH			9	8.5
Zinc (mg/l)			0.01	N/D
Uranium (mg/l)			251	0.0154
Radium 226 (pCi/l)			54.8	2.01

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	739	11,200	11,600	21,000
Chloride (mg/l)	540	56,900	44,700	156,000
NH4 as N (mg/l)	0.3	0.5	0.8	0.7
NO3 & NO2 as N (mg/l)	N/D	0.05	0.06	0.33
TDS (mg/l)	2,860	111,000	91,800	223,000
Conductivity	4,050	112,000	96,000	172,000
pH	9	8.4	9	8.1
Zinc (mg/l)	N/D	N/D	N/D	N/D
Uranium (mg/l)	7	159	44.7	240
Radium 226 (pCi/l)	51.4	291	67.6	259

TABLE 3 (Page 4 of 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2005 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: June 29, 2005 (2nd Quarter of 2005)

IR Ponds A,C,D,E,& RA - empty

N/D = Non Detectable

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)		23,500		
Chloride (mg/l)		140,000		
NH4 as N (mg/l)		3.03		
NO3 & NO2 as N (mg/l)		0.2		
TDS (mg/l)		272,000		
Conductivity		223,000		
pH		8.5		
Zinc (mg/l)		N/D		
Uranium (mg/l)		539		
Radium 226 (pCi/l)		312		

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)			24,700	79
Chloride (mg/l)			23,800	8
NH4 as N (mg/l)			0.76	0.13
NO3 & NO2 as N (mg/l)			N/D	N/D
TDS (mg/l)			78,000	338
Conductivity			88,600	354
pH			9.2	9.1
Zinc (mg/l)			0.04	N/D
Uranium (mg/l)			186	0.0056
Radium 226 (pCi/l)			18.3	0.2

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	678	6,150	13,100	16,100
Chloride (mg/l)	598	19,600	59,000	89,300
NH4 as N (mg/l)	0.21	0.3	0.63	2.47
NO3 & NO2 as N (mg/l)	N/D	N/D	N/D	0.3
TDS (mg/l)	2,750	43,900	103,000	157,000
Conductivity	4,150	61,700	130,000	180,000
pH	9.9	8.6	8.6	8.4
Zinc (mg/l)	N/D	N/D	N/D	N/D
Uranium (mg/l)	4.37	51.7	86.4	169
Radium 226 (pCi/l)	193	154	83.6	84.8

TABLE 4

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects
2005 Annual ReportChristensen Ranch Project
Groundwater Restoration Volumes (Mine Units 2, 3, 4, 5, & 6)

Year 2005 Month	Gallons Injected in thousands	Gallons Recovered in thousands	Average Recovery Flow Rate (gpm)
January	21,565	25,658	748
February	21,335	24,529	581
March	20,972	24,418	611
April	19,665	24,006	602
May	11,569	20,690	494
June			
July			
August			
September			
October			
November			
December			
	95,106 Total	119,301 Total	607.2 (ave.-7months)

2004-2005
CHRISTENSEN RANCH
WELL INTEGRITY TESTING SUMMARY

TABLE 5

HOLE #	DATE TESTED	CASING TYPE	BOTTOM CASING DEPTH	LOWER PACKER DEPTH	PRESSURE			% LOSS	PASS
					INITIAL PRESSURE	FINAL PRESSURE	LOSS		
3AB77-2	10-Aug-04	YM	415	400	168	158	10	6	X
3AB78-1	10-Aug-04	YM	416	400	168	156	12	7	X
3AB80-2	14-Jul-04	YM	394	380	168	156	12	7	X
3AC79-1	14-Jul-04	YM	413	400	168	154	14	8	X
3AD87-1	12-Aug-04	YM	383	310	168	155	15	9	X
3AD87-3	14-Jul-04	YM	420	370	168	154	14	8	X
3AE84-1	14-Jul-04	YM	373	369	168	156	12	7	X
3AE86-1	14-Jul-04	YM	386	375	168	160	8	5	X
3AF82-1	14-Jul-04	YM	361	350	168	158	10	6	X
3AF84-1	14-Jul-04	YM	368	360	168	160	8	5	X
3AF87-1	14-Jul-04	YM	386	375	168	154	14	8	X
3X86-1	26-Jul-04	YM	315	309	168	156	12	7	X
3Y84-1	26-Jul-04	YM	320	310	168	156	12	7	X
3Y86-1	11-Aug-04	YM	310	300	168	160	8	5	X
3Z86-2	26-Jul-04	YM	305	290	168	159	9	5	X
3Z87-1	26-Jul-04	YM	303	290	168	158	10	6	X
4F2-2	11-Aug-04	PVC	315	305	168	156	12	7	X
4F5-1	11-Aug-04	PVC	340	330	168	159	9	5	X
4G2-2	11-Aug-04	PVC	339	330	168	160	8	5	X
4H2-1	11-Aug-04	PVC	323	310	168	156	12	7	X
4H3-3	11-Aug-04	PVC	329	320	168	158	10	6	X
4I2-1	12-Aug-04	PVC	294	285	160	155	15	9	X
4I3-1	11-Aug-04	YM	318	310	168	154	14	8	X
4J1-2	14-Jul-04	PVC	302	290	168	160	8	5	X
4J2-1	12-Aug-04	PVC	374	365	168	158	10	6	X
4J3-1	11-Aug-04	PVC	294	285	168	158	10	6	X
4K2-1	12-Aug-04	PVC	369	360	168	156	12	7	X
4K3-1	12-Aug-04	PVC	361	350	168	160	8	5	X
5MW66	5-Oct-04	PVC	265	255	168	160	8	5	X

APPENDIX 2

Monitor and Trend Well Sampling Data

**COGEMA Mining, Inc.
Irigaray Project**

Monitor and Trend Well Index

Monitor Wells

Perimeter Ore Zone						
Well No.	Location	Page No.		Well No.	Location	Page No.
M2	Mine Unit 2	1		M27	Mine Unit 7	6
M4	Mine Unit 2	1		M28	Mine Unit 8	7
M7	Mine Unit 1	2		M29	Mine Unit 8	7
M10	Mine Unit 4	2		M30	Mine Unit 9	8
M17	Mine Unit 1	3		M31	Mine Unit 9	8
M18	Mine Unit 1	3		M32	Mine Unit 9	9
M19	Mine Unit 3	4		M33	Mine Unit 9	9
M23	Mine Unit 5	4		T31	Mine Unit 1	10
M24	Mine Unit 6	5		RS27	Mine Unit 5	10
M25	Mine Unit 6	5		16-151	Mine Unit 9	11
M26	Mine Unit 7	6				
Shallow Sand						
SSM2	Mine Unit 1	12		SSM19	Mine Unit 8	17
SSM3	Mine Unit 2	12		SSM34	Mine Unit 9	18
SSM4	Mine Unit 2	13		SSM35	Mine Unit 9	18
SSM5	Mine Unit 3	13		SSM36	Mine Unit 9	19
SSM6	Mine Unit 4	14		SSM37	Mine Unit 7	19
SSM7	Mine Unit 5	14		SSM38	Mine Unit 7	20
SSM8	Mine Unit 5	15		SSM39	Mine Unit 7	20
SSM9	Mine Unit 6	15		SSM40	Mine Unit 8	21
SSM10	Mine Unit 6	16		SSM41	Mine Unit 4	21
SSM11	Mine Unit 6	16		SSM42	Mine Unit 3	22
SSM18	Mine Unit 8	17		SSM43	Mine Unit 1	22
Deep Sand						
DM1	Mine Unit 1	23		DM14	Mine Unit 8	27
DM2	Mine Unit 1	23		DM15	Mine Unit 9	28
DM3	Mine Unit 2	24		DM16	Mine Unit 9	28
DM4	Mine Unit 4	24		DM17	Mine Unit 5	29
DM5	Mine Unit 2	25		DM18	Mine Unit 4	29
DM9	Mine Unit 5	25		DM19	Mine Unit 3	30
DM10	Mine Unit 6	26		DM20	Mine Unit 3	30
DM11	Mine Unit 7	26		DM21	Mine Unit 7	31
DM13	Mine Unit 8	27		DM22	Mine Unit 6	31

COGEMA Mining, Inc.
Irigaray Project

Monitor and Trend Well Index

Monitor Wells

517 and USMT Sites					
Well No.	Location	Page No.	Well No.	Location	Page No.
M-219	USMT Site	32	M-1	517 Site	33
M-220	USMT Site	32	NM-3	517 Site	34
M-221	USMT Site	33	M-4	517 Site	34
			SM-1	517 Site	35

COGEMA Mining, Inc.
Christensen Ranch Project

Monitor and Trend Wells Index

Monitor Wells

Perimeter Ore Zone						
Well No.	Location	Page No.		Well No.	Location	Page No.
MW17-2	Mine Unit 3	36		MW87	Mine Unit 2	57
MW18	Mine Unit 3	36		MW88	Mine Unit 2	57
MW19	Mine Unit 3	37		MW89	Mine Unit 2	58
MW20	Mine Unit 3	37		MW90	Mine Unit 2	58
MW23	Mine Unit 3	38		MW101	Mine Unit 2	59
MW24	Mine Unit 3	38		MW102	Mine Unit 2	59
MW25	Mine Unit 3	39		MW103	Mine Unit 2	60
MW26	Mine Unit 3	39		MW104	Mine Unit 2	60
MW27	Mine Unit 3	40		MW105	Mine Unit 2	61
MW28	Mine Unit 3	40		MW106	Mine Unit 2	61
MW29	Mine Unit 3	41		MW107	Mine Unit 2	62
MW30	Mine Unit 3	41		MW108	Mine Unit 2	62
MW31	Mine Unit 3	42		MW109	Mine Unit 2	63
MW32	Mine Unit 3	42		MW110	Mine Unit 2	63
MW35	Mine Unit 3	43		MW111	Mine Unit 2	64
MW36	Mine Unit 3	43		MW114	Mine Unit 3	64
MW37	Mine Unit 3	44		MW115	Mine Unit 3	65
MW38	Mine Unit 3	44		MW116	Mine Unit 3	65
MW39	Mine Unit 3	45		4MW-1	Mine Unit 4	66
MW40	Mine Unit 3	45		4MW-2	Mine Unit 4	66
MW41	Mine Unit 3	46		4MW-3	Mine Unit 4	67
MW42	Mine Unit 3	46		4MW-4	Mine Unit 4	67
MW43	Mine Unit 3	47		4MW-5	Mine Unit 4	68
MW44	Mine Unit 3	47		4MW-6	Mine Unit 4	68
MW45	Mine Unit 3	48		4MW-7	Mine Unit 4	69
MW62	Mine Unit 3	48		4MW-8	Mine Unit 4	69
MW63	Mine Unit 3	49		4MW-9	Mine Unit 4	70
MW64	Mine Unit 3	49		4MW-10	Mine Unit 4	70
MW73	Mine Unit 2	50		4MW-11	Mine Unit 4	71
MW74	Mine Unit 2	50		4MW-12	Mine Unit 4	71
MW75	Mine Unit 2	51		4MW-13	Mine Unit 4	72
MW76	Mine Unit 2	51		4MW-14	Mine Unit 4	72
MW77	Mine Unit 2	52		4MW-15	Mine Unit 4	73
MW78	Mine Unit 2	52		4MW-16	Mine Unit 4	73
MW79	Mine Unit 2	53		4MW-17	Mine Unit 4	74
MW80	Mine Unit 2	53		4MW-18	Mine Unit 4	74
MW81	Mine Unit 2	54		4MW-19	Mine Unit 4	75
MW82	Mine Unit 2	54		4MW-20	Mine Unit 4	75
MW83	Mine Unit 2	55		4MW-21	Mine Unit 4	76
MW84	Mine Unit 2	55		4MW-22	Mine Unit 4	76
MW85	Mine Unit 2	56		4MW-23	Mine Unit 4	77
MW86	Mine Unit 2	56		4MW-24	Mine Unit 4	77

COGEMA Mining, Inc.
Christensen Ranch Project

Monitor and Trend Wells Index

Monitor Wells

Perimeter Ore Zone (cont.)						
Well No.	Location	Page No.		Well No.	Location	Page No.
4MW-25	Mine Unit 4	78		5MW57	Mine Unit 5	99
5MW1	Mine Unit 5	78		5MW58	Mine Unit 5	99
5MW2	Mine Unit 5	79		5MW59	Mine Unit 5	100
5MW3	Mine Unit 5	79		5MW60	Mine Unit 5	100
5MW4	Mine Unit 5	80		5MW61	Mine Unit 5	101
5MW5	Mine Unit 5	80		5MW62	Mine Unit 5	101
5MW6	Mine Unit 5	81		5MW63	Mine Unit 5	102
5MW7	Mine Unit 5	81		5MW64	Mine Unit 5	102
5MW8	Mine Unit 5	82		5MW65	Mine Unit 5	103
5MW10	Mine Unit 5	82		5MW66	Mine Unit 5	103
5MW12	Mine Unit 5	83		5MW67	Mine Unit 5	104
5MW14	Mine Unit 5	83		5MW69	Mine Unit 5	104
5MW16	Mine Unit 5	84		6MW17-2	Mine Unit 6	105
5MW18	Mine Unit 5	84		6MW19	Mine Unit 6	105
5MW20	Mine Unit 5	85		6MW21	Mine Unit 6	106
5MW30A	Mine Unit 5	85		6MW23	Mine Unit 6	106
5MW31	Mine Unit 5	86		6MW25	Mine Unit 6	107
5MW32A	Mine Unit 5	86		6MW27	Mine Unit 6	107
5MW33	Mine Unit 5	87		6MW29	Mine Unit 6	108
5MW34	Mine Unit 5	87		6MW31	Mine Unit 6	108
5MW35A	Mine Unit 5	88		6MW33	Mine Unit 6	109
5MW36	Mine Unit 5	88		6MW34	Mine Unit 6	109
5MW37	Mine Unit 5	89		6MW35	Mine Unit 6	110
5MW38	Mine Unit 5	89		6MW36	Mine Unit 6	110
5MW39A	Mine Unit 5	90		6MW37	Mine Unit 6	111
5MW40	Mine Unit 5	90		6MW38	Mine Unit 6	111
5MW41A	Mine Unit 5	91		6MW39	Mine Unit 6	112
5MW42	Mine Unit 5	91		6MW40	Mine Unit 6	112
5MW43	Mine Unit 5	92		6MW41	Mine Unit 6	113
5MW44	Mine Unit 5	92		6MW42	Mine Unit 6	113
5MW45	Mine Unit 5	93		6MW43	Mine Unit 6	114
5MW46	Mine Unit 5	93		6MW44	Mine Unit 6	114
5MW47B	Mine Unit 5	94		6MW45	Mine Unit 6	115
5MW48	Mine Unit 5	94		6MW46	Mine Unit 6	115
5MW49	Mine Unit 5	95		6MW47	Mine Unit 6	116
5MW50	Mine Unit 5	95		6MW48-3	Mine Unit 6	116
5MW51	Mine Unit 5	96		6MW49	Mine Unit 6	117
5MW52	Mine Unit 5	96		6MW50	Mine Unit 6	117
5MW53	Mine Unit 5	97		6MW51	Mine Unit 6	118
5MW54	Mine Unit 5	97		6MW52	Mine Unit 6	118
5MW55	Mine Unit 5	98		6MW53	Mine Unit 6	119
5MW56	Mine Unit 5	98		6MW54	Mine Unit 6	119

COGEMA Mining, Inc.
Christensen Ranch Project

Monitor and Trend Wells Index

Monitor Wells

Shallow Sand						
Well No.	Location	Page No.		Well No.	Location	Page No.
MW-11S	Mine Unit 5	120		4SRM-07	Mine Unit 4	131
MW46S	Mine Unit 3	120		5SM1	Mine Unit 5	131
MW48S	Mine Unit 3	121		5SM2	Mine Unit 5	132
MW50S	Mine Unit 3	121		5SM3	Mine Unit 5	132
MW52S	Mine Unit 3	122		5SM5	Mine Unit 5	133
MW54S	Mine Unit 3	122		5SM6	Mine Unit 5	133
MW56S	Mine Unit 3	123		5SM7	Mine Unit 5	134
MW58S	Mine Unit 3	123		WCOW-04	Mine Unit 5	134
MW66S-2	Mine Unit 3	124		6SM1	Mine Unit6	135
MW68S	Mine Unit 2	124		6SM2	Mine Unit6	135
MW70S	Mine Unit 2	125		6SM3	Mine Unit6	136
MW72S	Mine Unit 2	125		6SM4	Mine Unit6	136
MW92S	Mine Unit 2	126		6SM5	Mine Unit6	137
MW94S	Mine Unit 2	126		6SM6	Mine Unit6	137
MW96S	Mine Unit 2	127		6SM7	Mine Unit6	138
MW98S	Mine Unit 2	127		6SM8	Mine Unit6	138
MW100S	Mine Unit 2	128		6SM9	Mine Unit6	139
MW112S	Mine Unit 2	128		6SM10	Mine Unit6	139
MW117S	Mine Unit 2	129		6SM11	Mine Unit6	140
4SM-1	Mine Unit 4	129		6SM12	Mine Unit6	140
4SM-4	Mine Unit 4	130		6SM13	Mine Unit6	141
4SM-8	Mine Unit 4	130		6SM14	Mine Unit6	141

COGEMA Mining, Inc.
Christensen Ranch Project

Monitor and Trend Wells Index

Monitor Wells

Deep Sand						
Well No.	Location	Page No.		Well No.	Location	Page No.
MW-12D	Mine Unit 5	142		5DM1A	Mine Unit 5	153
MW45D	Mine Unit 3	142		5DM2	Mine Unit 5	153
MW47D	Mine Unit 3	143		5DM3	Mine Unit 5	154
MW49D	Mine Unit 3	143		5DM4	Mine Unit 5	154
MW51D	Mine Unit 3	144		5DM5	Mine Unit 5	155
MW53D	Mine Unit 3	144		5DM7	Mine Unit 5	155
MW55D	Mine Unit 3	145		WCOW-37D	Mine Unit 5	156
MW57D	Mine Unit 3	145		6DM1	Mine Unit 6	156
MW65D	Mine Unit 3	146		6DM2	Mine Unit 6	157
MW67D	Mine Unit 2	146		6DM3-2	Mine Unit 6	157
MW69D	Mine Unit 2	147		6DM4-2	Mine Unit 6	158
MW71D	Mine Unit 2	147		6DM5	Mine Unit 6	158
MW91D	Mine Unit 2	148		6DM6	Mine Unit 6	159
MW93D	Mine Unit 2	148		6DM7	Mine Unit 6	159
MW95D	Mine Unit 2	149		6DM8	Mine Unit 6	160
MW97D	Mine Unit 2	149		6DM9	Mine Unit 6	160
MW99D	Mine Unit 2	150		6DM10	Mine Unit 6	161
MW113D	Mine Unit 2	150		6DM11	Mine Unit 6	161
4DM-1	Mint Unit 4	151		6DM12	Mine Unit 6	162
4DM-4	Mint Unit 4	151		6DM13	Mine Unit 6	162
4DM-8	Mint Unit 4	152		6DM14	Mine Unit 6	163
4DRM-07	Mint Unit 4	152				

Trend Wells						
Perimeter Ore Zone						
Well No.	Location	Page No.		Well No.	Location	Page No.
MW78T	Mine Unit 2	164		6TW2	Mine Unit 6	166
MW87T	Mine Unit 2	164		6TW3	Mine Unit 6	166
5TW-1	Mine Unit 5	165		6TW4	Mine Unit 6	167
6TW-1	Mine Unit 6	165		6TW5	Mine Unit 6	167

Deep Sand						
Well No.	Location	Page No.		Well No.	Location	Page No.
5DM8T	Mine Unit 5	168		6DT1	Mine Unit 6	169
5DM9T	Mine Unit 5	168				

IRIGARAY PROJECT

Perimeter Ore Zone Monitor Wells

Mine Unit 2
Well I.D. M2

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	15.4	788 *	85.1	8.6	4297.3
06 JUN 2005	14.7	776 *	89.4	8.6	4298.7

* Values Exceed Upper Control Limit

M2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. M4

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	10.6	994 *	76.8	8.4	4310.2
06 JUN 2005	10.1	993 *	77.9	8.6	4311.0

* Values Exceed Upper Control Limit

M4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 1
Well I.D. M7

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	12.2	1539 *	82.8	8.0	4309.8
06 JUN 2005	11.5	1492 *	83.8	8.0	4310.4

* Values Exceed Upper Control Limit

M7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. M10

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	11.5	607	88.8	8.7	4302.4
06 JUN 2005	12.2	611	95.0	8.5	4302.4

* Values Exceed Upper Control Limit

M10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 1
Well I.D. M17

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	9.9	652	93.3	8.5	4323.1
06 JUN 2005	9.7	650	88.7	8.5	4323.7

* Values Exceed Upper Control Limit

M17

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 1
Well I.D. M18

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	10.6	884 *	80.0	8.4	4310.3
06 JUN 2005	10.1	862 *	83.0	8.4	4311.0

* Values Exceed Upper Control Limit

M18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. M19

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	11.2	643	87.2	8.7	4311.2
06 JUN 2005	10.4	630	88.6	8.4	4310.8

* Values Exceed Upper Control Limit

M19

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. M23

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	10.5	554	100.5	8.8	4314.9
06 JUN 2005	9.7	562	96.3	8.7	4313.8

* Values Exceed Upper Control Limit

M23

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. M24

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	8.8	496	105.2	8.8	4316.3
06 JUN 2005	8.9	496	112.2	8.6	4613.3

* Values Exceed Upper Control Limit

M24

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. M25

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.6	600	87.1	8.6	4307.7
06 JUN 2005	10.4	599	92.6	8.3	4607.6

* Values Exceed Upper Control Limit

M25

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. M26

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	9.8	539	96.5	8.7	4314.7
06 JUN 2005	9.4	540	98.7	8.4	4614.8

* Values Exceed Upper Control Limit

M26

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. M27

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	11.0	601	93.1	8.6	4310.5
07 JUN 2005	10.7	598	97.8	8.6	4309.5

* Values Exceed Upper Control Limit

M27

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. M28

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	11.1	622	38.2	8.7	4319.6
06 JUN 2005	10.4	619	39.8	8.4	4319.2

* Values Exceed Upper Control Limit

M28

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. M29

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.9	608	93.8	8.7	4317.5
06 JUN 2005	10.7	608	93.8	8.3	4317.3

* Values Exceed Upper Control Limit

M29

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. M30

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
16 MAR 2005	10.8	620	96.2	8.8	4322.9
06 JUN 2005	10.4	619	91.2	8.4	4322.5

* Values Exceed Upper Control Limit

M30

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. M31

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	11.8	621	96.9	8.6	4319.1
06 JUN 2005	11.4	621	100.4	8.3	4318.5

* Values Exceed Upper Control Limit

M31

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. M32

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

16 MAR 2005	11.7	619	98.9	8.7		4325.4
07 JUN 2005	10.6	616	98.5	8.6		4325.6

* Values Exceed Upper Control Limit

M32

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. M33

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

23 MAR 2005	10.9	307	91.1	8.5		4319.1
07 JUN 2005	10.2	606	97.4	8.6		4319.0

* Values Exceed Upper Control Limit

M33

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 1
Well I.D. T31

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	22.4 *	730	81.5	8.5	4296.0
07 JUN 2005	21.6	743	84.4	8.4	4296.0

* Values Exceed Upper Control Limit

T31

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. RS27

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.9	619	94.3	8.4	4307.1
06 JUN 2005	10.4	610	90.4	8.4	4308.0

* Values Exceed Upper Control Limit

RS27

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. 16-151

IRIGARAY RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	10.8	590	94.2	8.6	4320.7
06 JUN 2005	11.0	592	93.0	8.6	4323.8

* Values Exceed Upper Control Limit

16-151

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY PROJECT

Interior Shallow Sand Monitor Wells

Mine Unit 1
Well I.D. SSM2

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	22.6 *	1917	79.3	7.7	4309.0
31 MAY 2005	23.3 *	1962	110.9	7.8	4309.9

* Values Exceed Upper Control Limit

SSM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. SSM3

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	69.6 *	1940 *	134.3	7.9	4311.7
31 MAY 2005	60.1 *	1858 *	128.3	7.8	4309.0

* Values Exceed Upper Control Limit

SSM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. SSM4

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	16.1	710	237.4	8.5	4302.8
31 MAY 2005	16.5	707	234.5	8.4	4302.0

* Values Exceed Upper Control Limit

SSM4

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. SSM5

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	14.9	698	203.1	8.1	4312.7
31 MAY 2005	15.0	676	203.3	8.2	4314.0

* Values Exceed Upper Control Limit

SSM5

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. SSM6

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	11.6	2022	92.3	7.8	4312.1
31 MAY 2005	11.5	2015	92.7	7.6	4313.2

* Values Exceed Upper Control Limit

SSM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. SSM7

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	13.1	2269	111.7	7.6	4312.4
31 MAY 2005	13.2	2250	97.5	7.6	4313.4

* Values Exceed Upper Control Limit

SSM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. SSM8

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	23.2 *	2386	116.5 *	7.6	4312.3
31 MAR 2005	22.1 *	2335	111.0	7.4	4312.3
31 MAR 2005	23.3 *	2330	111.0	7.4	4312.3
31 MAY 2005	23.0 *	2385	112.0	7.6	4312.9

* Values Exceed Upper Control Limit

SSM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. SSM9

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	9.0	1502	97.1	7.7	4318.6
31 MAY 2005	9.4	1480	90.8	7.6	4313.8

* Values Exceed Upper Control Limit

SSM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. SSM10

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.0	1526	103.6	7.7	4314.2
31 MAY 2005	10.2	1513	96.3	7.7	4314.8

* Values Exceed Upper Control Limit

SSM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. SSM11

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	13.3	2449	84.5	7.5	4316.0
31 MAY 2005	15.3	2404	87.5	7.6	4315.8

* Values Exceed Upper Control Limit

SSM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. SSM18

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	18.6 *	2065 *	147.8 *	7.6	4315.0
31 MAY 2005	17.5 *	2013 *	149.0 *	7.5	4316.1

* Values Exceed Upper Control Limit

SSM18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. SSM19

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	8.5	1499	82.8	7.9	4315.7
31 MAY 2005	9.1	1481	81.2	8.0	4316.8

* Values Exceed Upper Control Limit

SSM19

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. SSM34

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	9.0	1229	87.4	7.8	4315.5
31 MAY 2005	9.5	1215	86.0	7.8	4315.1

* Values Exceed Upper Control Limit

SSM34

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. SSM35

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.2	1293	108.8	7.9	4316.0
31 MAY 2005	10.4	1255	101.6	7.7	4315.9

* Values Exceed Upper Control Limit

SSM35

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. SSM36

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

29 MAR 2005	8.7	1276	104.5	7.9		4317.6
31 MAY 2005	8.8	1268	97.4	8.0		4319.0

* Values Exceed Upper Control Limit

SSM36

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. SSM37

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

29 MAR 2005	9.8	1466	109.0	7.7		4311.8
31 MAY 2005	10.0	1450	101.0	7.8		4312.0

* Values Exceed Upper Control Limit

SSM37

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. SSM38

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.8	2019	103.0	8.0	4314.0
31 MAY 2005	11.5	2158	99.7	7.6	4314.0

* Values Exceed Upper Control Limit

SSM38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. SSM39

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	12.0	1833	106.3	7.6	4312.4
31 MAY 2005	11.5	1803	102.0	7.8	4312.5

* Values Exceed Upper Control Limit

SSM39

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. SSM40

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	13.3	1681 *	111.2 *	7.8	4317.4
31 MAY 2005	10.7	1494	103.2	7.9	4316.9

* Values Exceed Upper Control Limit

SSM40

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. SSM41

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	33.8 *	2454	128.5 *	7.6	4336.4
31 MAY 2005	31.6 *	2437	134.7 *	7.6	4336.4

* Values Exceed Upper Control Limit

SSM41

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. SSM38

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
29 MAR 2005	10.8	2019	103.0	8.0		4314.0
31 MAY 2005	11.5	2158	99.7	7.6		4314.0

* Values Exceed Upper Control Limit

SSM38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. SSM39

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
29 MAR 2005	12.0	1833	106.3	7.6		4312.4
31 MAY 2005	11.5	1803	102.0	7.8		4312.5

* Values Exceed Upper Control Limit

SSM39

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. SSM40

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	13.6	1672	109.2			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	13.3	1681 *	111.2 *	7.8	4317.4
31 MAY 2005	10.7	1494	103.2	7.9	4316.9

* Values Exceed Upper Control Limit SSM40
Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. SSM41

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	33.8 *	2454	128.5 *	7.6	4336.4
31 MAY 2005	31.6 *	2437	134.7 *	7.6	4336.4

* Values Exceed Upper Control Limit SSM41
Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. SSM42

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

23 MAR 2005	19.6	1094	158.8	8.2		4304.1
31 MAY 2005	22.8	1088	154.2	8.1		4305.1

* Values Exceed Upper Control Limit

SSM42

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 1
Well I.D. SSM43

IRIGARAY RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

23 MAR 2005	33.7	*	1374	116.1	8.2	4311.0
31 MAY 2005	30.8	*	1326	114.7	7.9	4310.7

* Values Exceed Upper Control Limit

SSM43

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY PROJECT

Interior Deep Sand Monitor Wells

Mine Unit 1
Well I.D. DM1

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	9.1	474	115.9	8.7	4313.5
31 MAY 2005	8.4	476	121.5	8.7	4313.4

* Values Exceed Upper Control Limit

DM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 1
Well I.D. DM2

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	7.9	600	179.5	8.4	4305.0
31 MAY 2005	8.0	598	188.8 *	8.3	4305.7

* Values Exceed Upper Control Limit

DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. DM3

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	15.8	677	240.9			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	12.3	542	144.3	8.4	4310.1
31 MAY 2005	11.0	539	147.7	8.4	4310.5

* Values Exceed Upper Control Limit

DM3

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. DM4

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	9.3	515	94.3	8.8	4308.8
31 MAY 2005	8.7	516	100.2	8.7	4313.3

* Values Exceed Upper Control Limit

DM4

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. DM5

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	8.7	618	189.9	7.9	4301.7
31 MAY 2005	7.7	613	193.6	8.1	4302.9

* Values Exceed Upper Control Limit

DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. DM9

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	9.5	525	99.0	8.8	4312.8
31 MAY 2005	8.8	519	98.2	8.6	4315.5

* Values Exceed Upper Control Limit

DM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. DM10

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	16.4	606	107.5			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezomet. Elevation
29 MAR 2005	14.5	630 *	125.0 *	8.4	4318.2
31 MAY 2005	14.2	636 *	121.1 *	8.2	4318.4

* Values Exceed Upper Control Limit

DM10

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. DM11

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.6	592	99.3	8.6	4313.9
31 MAY 2005	9.8	545	103.8	8.5	4316.5

* Values Exceed Upper Control Limit

DM11

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. DM13

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	9.7	535	103.4	8.6	4320.0
31 MAY 2005	9.1	542	99.0	8.5	4320.7

* Values Exceed Upper Control Limit

DM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 8
Well I.D. DM14

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.3	561	99.6	8.8	4317.3
31 MAY 2005	9.5	558	98.5	8.7	4317.3

* Values Exceed Upper Control Limit

DM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. DM15

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.4	560	100.6	8.7	4322.8
31 MAY 2005	9.3	558	100.2	8.6	4322.9

* Values Exceed Upper Control Limit

DM15

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 9
Well I.D. DM16

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	10.5	565	95.1	8.8	4320.5
31 MAY 2005	9.7	560	93.9	8.7	4320.5

* Values Exceed Upper Control Limit

DM16

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. DM17

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	9.3	523	117.4 *	8.8	4313.6
31 MAY 2005	8.7	526	111.3 *	8.5	4312.0

* Values Exceed Upper Control Limit

DM17

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. DM18

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	9.6	522	95.4	8.6	4309.0
31 MAY 2005	8.9	525	97.7	8.5	4310.7

* Values Exceed Upper Control Limit

DM18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. DM19

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
29 MAR 2005	9.9	508	125.4	8.4	4306.7
31 MAY 2005	9.3	515	130.0	7.8	4311.6

* Values Exceed Upper Control Limit

DM19

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. DM20

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
23 MAR 2005	9.2	511	96.1	8.6	4313.4
31 MAY 2005	8.6	512	100.3	8.4	4314.7

* Values Exceed Upper Control Limit

DM20

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 7
Well I.D. DM21

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

29 MAR 2005	10.3	552	95.7	8.7		4320.1
31 MAY 2005	10.0	551	99.3	8.5		4320.1

* Values Exceed Upper Control Limit

DM21

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. DM22

IRIGARAY RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

29 MAR 2005	9.9	540	98.2	8.6		4317.9
31 MAY 2005	9.2	534	96.9	8.4		4318.1

* Values Exceed Upper Control Limit

DM22

Negative U3O8 Grades Indicate Less Than Detection Limit.

IRIGARAY PROJECT

USMT – 5I7 Wells

Mine Unit USMT
Well I.D. M-219

COGEMA Mining Inc.
IRIGARY RANCH
Monitor Wells 5-1-7 & USMT Sites **

Water Quality	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	u mho/cm	mg/l as CaCO3			
Upper control	*	*	*			

Date 6/22/05 8.8 653 82.7 N/R N/R N/R

NOTES: N/R = Not Recorded
 N/A = Not Available
 *No UCL's established for these wells.
 **Wells are sampled only once per year.
 **Per NRC License SUA-1341 Section 10.17

Mine Unit USMT
Well I.D. M-220

COGEMA Mining Inc.
IRIGARY RANCH
Monitor Wells 5-1-7 & USMT Sites **

Water Quality	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	u mho/cm	mg/l as CaCO3			
Upper control	*	*	*			

Date 6/22/05 14.2 873 104.7 N/R N/R N/R

NOTES: N/R = Not Recorded
 N/A = Not Available
 *No UCL's established for these wells.
 **Wells are sampled only once per year.
 **Per NRC License SUA-1341 Section 10.17

Mine Unit USMT
Well I.D. M-221

COGEMA Mining Inc.
IRIGARY RANCH
Monitor Wells 5-1-7 & USMT Sites **

Water Quality	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	u mho/cm	mg/l as CaCO3			
Upper control	*	*	*			

Date 6/22/05 9.1 625 90.2 N/R N/R N/R

NOTES: N/R = Not Recorded
 N/A = Not Available
 *No UCL's established for these wells.
 **Wells are sampled only once per year.
 **Per NRC License SUA-1341 Section 10.17

Mine Unit USMT
Well I.D. M-1

COGEMA Mining Inc.
IRIGARY RANCH
Monitor Wells 5-1-7 & USMT Sites **

Water Quality	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	u mho/cm	mg/l as CaCO3			
Upper control	*	*	*			

Date 6/22/05 36.4 721 143.1 N/R N/R N/R

NOTES: N/R = Not Recorded
 N/A = Not Available
 *No UCL's established for these wells.
 **Wells are sampled only once per year.
 **Per NRC License SUA-1341 Section 10.17

COGEMA Mining Inc.
 IRIGARY RANCH
 Mine Unit USMT
 Well I.D. NM-3 Monitor Wells 5-1-7 & USMT Sites **

Water Quality	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	u mho/cm	mg/l as CaCO ₃			
Upper control	*	*	*			

Date 6/22/05 8.4 637 82.5 N/R N/R N/R

NOTES: N/R = Not Recorded
 N/A = Not Available
 *No UCL's established for these wells.
 **Wells are sampled only once per year.
 **Per NRC License SUA-1341 Section 10.17

COGEMA Mining Inc.
 IRIGARY RANCH
 Mine Unit USMT
 Well I.D. M-4 Monitor Wells 5-1-7 & USMT Sites **

Water Quality	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	u mho/cm	mg/l as CaCO ₃			
Upper control	*	*	*			

Date 6/22/05 21.0 946 111.0 N/R N/R N/R

NOTES: N/R = Not Recorded
 N/A = Not Available
 *No UCL's established for these wells.
 **Wells are sampled only once per year.
 **Per NRC License SUA-1341 Section 10.17

COGEMA Mining Inc.

Mine Unit USMT

IRIGARY RANCH

Well I.D. SM-1 Monitor Wells 5-1-7 & USMT Sites **

Water Quality	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	u mho/cm	mg/l as CaCO3			
Upper control	*	*	*			

Date 6/22/05 20.3 817 267.5 N/R N/R N/R

NOTES:

N/R = Not Recorded

N/A = Not Available

*No UCL's established for these wells.

**Wells are sampled only once per year.

***Per NRC License SUA-1341 Section 10.17

CHRISTENSEN PROJECT

Perimeter Ore Zone Monitor Wells

Mine Unit 3
Well I.D. MW17-2

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	9.4	667	84.4	8.7	4529.2
05 APR 2005	9.8	670	93.9	8.6	4535.2

* Values Exceed Upper Control Limit

MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW18

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.5	670	94.0	8.5	4528.3
05 APR 2005	9.5	666	93.3	8.5	4534.3

* Values Exceed Upper Control Limit

MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW19

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

06 JAN 2005	9.2	675	88.3	8.3		4529.4
05 APR 2005	9.6	665	96.1	8.1		4533.3

* Values Exceed Upper Control Limit

MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW20

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

03 JAN 2005	9.1	671	89.3	8.4		4525.9
05 APR 2005	9.4	668	99.2	8.3		4532.6

* Values Exceed Upper Control Limit

MW20

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW23

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

03 JAN 2005	9.5	659	94.5	8.5		4523.3
05 APR 2005	9.9	650	90.0	8.3		4529.0

* Values Exceed Upper Control Limit

MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW24

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

03 JAN 2005	9.6	658	83.0	8.5		4522.0
05 APR 2005	9.9	654	92.4	8.4		4522.0

* Values Exceed Upper Control Limit

MW24

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW25

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.4	661	89.4	8.5	4524.5
05 APR 2005	9.6	657	93.7	8.3	4527.6

* Values Exceed Upper Control Limit

MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW26

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.8	660	84.1	8.5	4525.2
05 APR 2005	9.9	655	91.9	8.3	4529.8

* Values Exceed Upper Control Limit

MW26

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW27

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	11.0	663	93.0	8.4	4525.2
05 APR 2005	11.5	658	93.9	8.3	4531.4

* Values Exceed Upper Control Limit

MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW28

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
06 JAN 2005	9.8	715	87.0	8.4	4527.2
05 APR 2005	10.6	704	99.1	8.3	4533.9

* Values Exceed Upper Control Limit

MW28

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW29

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
06 JAN 2005	9.5	669	94.0	8.4	4528.4
05 APR 2005	9.8	655	96.1	8.3	4535.0

* Values Exceed Upper Control Limit

MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW30

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
06 JAN 2005	9.2	677	89.4	8.4	4530.1
05 APR 2005	9.6	663	98.9	8.3	4536.9

* Values Exceed Upper Control Limit

MW30

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW31

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

06 JAN 2005	9.2	678	92.0	8.4		4533.0
05 APR 2005	9.6	664	97.5	8.3		4539.7

* Values Exceed Upper Control Limit

MW31

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW32

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

05 JAN 2005	9.3	670	91.9	8.4		4532.8
05 APR 2005	9.1	672	98.0	8.3		4539.8

* Values Exceed Upper Control Limit

MW32

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW35

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	15.5 *	726	114.1	8.3	4530.4
05 APR 2005	16.7 *	741	125.7	8.2	4538.7

* Values Exceed Upper Control Limit

MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW36

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	9.1	670	88.6	8.3	4537.5
11 APR 2005	9.5	663	98.2	8.1	4515.0

* Values Exceed Upper Control Limit

MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW37

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	10.1	678	99.5	8.4	4530.7
05 APR 2005	10.4	678	99.8	8.2	4537.1

* Values Exceed Upper Control Limit

MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW38

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.1	669	88.3	8.5	4529.8
11 APR 2005	9.4	666	97.1	8.2	4536.1

* Values Exceed Upper Control Limit

MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW39

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.8	669	91.0	8.6	4530.0
11 APR 2005	9.8	665	95.6	8.6	4525.2

* Values Exceed Upper Control Limit

MW39

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW40

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
06 JAN 2005	9.5	674	86.8	8.6	4529.8
11 APR 2005	9.8	667	100.3	8.3	4536.4

* Values Exceed Upper Control Limit

MW40

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW41

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

05 JAN 2005	9.0	677	93.7	8.4		4534.1
05 APR 2005	9.1	678	105.5	8.3		4541.1

* Values Exceed Upper Control Limit

MW41

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW42

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

05 JAN 2005	9.0	668	95.0	8.5		4536.3
05 APR 2005	9.1	670	98.6	8.4		4543.4

* Values Exceed Upper Control Limit

MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW43

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

27 JAN 2005	8.6	659	86.3	8.5		4538.3
05 APR 2005	9.2	668	99.1	8.3		4525.4

* Values Exceed Upper Control Limit

MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW44

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

05 JAN 2005	9.1	670	91.4	8.3		4529.4
05 APR 2005	9.3	669	94.4	8.1		4535.9

* Values Exceed Upper Control Limit

MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW45

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	9.1	671	87.5	8.4	4529.4
05 APR 2005	9.3	681	95.6	8.3	4538.7

* Values Exceed Upper Control Limit

MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW62

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	8.8	667	89.0	8.8	4536.0
05 APR 2005	9.5	662	91.5	8.7	4542.7

* Values Exceed Upper Control Limit

MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW63

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	8.8	662	89.3	8.7	4538.0
05 APR 2005	9.0	656	88.7	8.6	4544.5

* Values Exceed Upper Control Limit

MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW64

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
05 JAN 2005	9.1	677	95.8	8.4	4539.8
05 APR 2005	9.5	667	104.8	8.0	4547.0

* Values Exceed Upper Control Limit

MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW73

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.5	667	97.3	8.8	4531.9
21 JUN 2005	9.5	672	96.3	8.7	4524.0

* Values Exceed Upper Control Limit

MW73

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW74

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.5	664	98.0	9.0	4532.1
21 JUN 2005	9.4	669	96.8	8.9	4538.4

* Values Exceed Upper Control Limit

MW74

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW75

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.3	673	95.7	8.6	4530.5
21 JUN 2005	9.1	677	94.3	8.6	4537.4

* Values Exceed Upper Control Limit

MW75

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW76

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	8.7	729	95.8	8.6	4530.1
21 JUN 2005	8.8	730	98.7	8.5	4537.0

* Values Exceed Upper Control Limit

MW76

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW77

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	8.7	735	97.3	8.2	4529.4
21 JUN 2005	8.4	743	93.3	8.3	4536.3

* Values Exceed Upper Control Limit

MW77

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW78

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.4	692	98.3	8.3	4526.8
21 JUN 2005	9.3	695	93.7	8.1	4512.0

* Values Exceed Upper Control Limit

MW78

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW79

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

07 MAR 2005	8.7	719	96.2	8.3		4525.9
21 JUN 2005	8.5	721	91.7	8.0		4532.1

* Values Exceed Upper Control Limit

MW79

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW80

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

07 MAR 2005	9.8	686	93.7	8.3		4523.3
21 JUN 2005	9.4	686	97.8	8.1		4529.7

* Values Exceed Upper Control Limit

MW80

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW81

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

08 MAR 2005	9.2	669	93.1	8.5		4524.4
21 JUN 2005	9.4	672	90.2	8.1		4529.1

* Values Exceed Upper Control Limit

MW81

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW82

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

07 MAR 2005	9.8	653	91.0	8.4		4520.8
21 JUN 2005	10.4	663	93.0	8.4		4526.3

* Values Exceed Upper Control Limit

MW82

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW83

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.1	662	92.4	8.2	4520.9
21 JUN 2005	10.0	673	94.0	8.4	4527.2

* Values Exceed Upper Control Limit MW83

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW84

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.7	665	98.1	8.4	4511.0
21 JUN 2005	10.0	671	95.4	8.3	4511.0

* Values Exceed Upper Control Limit MW84

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW85

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.8	657	96.5	8.5	4520.7
21 JUN 2005	9.9	662	93.2	7.7	4516.0

* Values Exceed Upper Control Limit

MW85

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW86

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.8	663	97.9	8.3	4522.8
21 JUN 2005	10.5	659	98.0	7.8	4529.3

* Values Exceed Upper Control Limit

MW86

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW87

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.7	664	93.0	8.3	4525.1
21 JUN 2005	10.8	663	101.8	7.9	4531.2

* Values Exceed Upper Control Limit

MW87

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW88

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.0	665	94.5	8.3	4526.1
21 JUN 2005	9.7	664	95.1	7.9	4533.3

* Values Exceed Upper Control Limit

MW88

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW89

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	12.3	702	111.5	8.4	4528.8
21 JUN 2005	12.4	701	108.7	8.0	4535.1

* Values Exceed Upper Control Limit

MW89

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW90

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.4	675	91.6	8.4	4522.0
21 JUN 2005	9.5	691	94.1	8.3	4527.5

* Values Exceed Upper Control Limit

MW90

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW101

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.7	669	90.0	8.5	4520.7
21 JUN 2005	9.5	669	88.8	8.0	4527.2

* Values Exceed Upper Control Limit

MW101

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW102

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.7	661	89.9	8.4	4518.9
21 JUN 2005	10.3	664	94.0	8.0	4524.6

* Values Exceed Upper Control Limit

MW102

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW103

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
08 MAR 2005	9.5	661	92.3	8.6		4519.6
21 JUN 2005	9.7	674	92.1	8.6		4519.6

* Values Exceed Upper Control Limit

MW103

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW104

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
08 MAR 2005	9.5	680	93.4	8.5		4516.7
21 JUN 2005	9.3	693	89.8	8.4		4522.7

* Values Exceed Upper Control Limit

MW104

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW105

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.4	672	93.4	8.5	4515.8
21 JUN 2005	9.8	693	92.2	8.3	4521.7

* Values Exceed Upper Control Limit

MW105

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW106

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.7	661	91.9	8.5	4517.8
21 JUN 2005	9.8	670	90.4	8.3	4521.3

* Values Exceed Upper Control Limit

MW106

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW107

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.8	657	91.5	8.5	4517.7
21 JUN 2005	10.0	665	91.1	8.3	4522.7

* Values Exceed Upper Control Limit

MW107

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW108

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	10.2	660	93.4	8.4	4516.5
21 JUN 2005	10.1	673	90.8	8.4	4522.1

* Values Exceed Upper Control Limit

MW108

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW109

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	10.2	713	88.8	8.2	4516.6
21 JUN 2005	10.5	754	83.7	8.2	4522.3

* Values Exceed Upper Control Limit

MW109

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW110

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	10.2	653	92.4	8.4	4518.3
21 JUN 2005	10.2	661	91.4	8.3	4524.1

* Values Exceed Upper Control Limit

MW110

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW111

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

08 MAR 2005	9.8	657	93.8	8.4		4513.6
21 JUN 2005	9.8	668	92.4	8.3		4513.6

* Values Exceed Upper Control Limit

MW111

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW114

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

04 JAN 2005	9.6	674	96.0	8.8		4525.7
05 APR 2005	9.9	670	96.1	8.6		4529.5

* Values Exceed Upper Control Limit

MW114

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW115

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

06 JAN 2005	9.3	678	90.0	8.5		4526.3
05 APR 2005	9.2	668	98.2	8.4		4529.5

* Values Exceed Upper Control Limit

MW115

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW116

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

03 JAN 2005	9.4	663	96.0	8.6		4506.1
05 APR 2005	9.4	662	96.6	8.5		4508.1

* Values Exceed Upper Control Limit

MW116

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-1

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

14 MAR 2005	15.1 *	678	100.9	8.4		4544.6
21 JUN 2005	11.6 *	678	97.2	8.7		4550.1

* Values Exceed Upper Control Limit

4MW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-2

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

14 MAR 2005	9.4	667	96.2	8.4		4545.9
21 JUN 2005	8.4	666	100.5	8.6		4551.6

* Values Exceed Upper Control Limit

4MW-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-3

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
14 MAR 2005	12.7 *	675	97.5	8.5	4544.8
21 JUN 2005	15.1 *	679	98.7	8.6	4550.1

* Values Exceed Upper Control Limit

4MW-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-4

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
14 MAR 2005	9.0	676	103.1	8.3	4548.6
21 JUN 2005	8.6	677	105.7	8.5	4554.2

* Values Exceed Upper Control Limit

4MW-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-5

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
14 MAR 2005	9.6	671	99.8	8.4		4546.0
21 JUN 2005	9.0	672	99.6	8.6		4551.7

* Values Exceed Upper Control Limit

4MW-5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-6

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
14 MAR 2005	8.9	670	100.7	8.5		4551.2
21 JUN 2005	8.4	668	101.5	8.6		4556.9

* Values Exceed Upper Control Limit

4MW-6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-7

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
14 MAR 2005	9.5	652	92.5	8.8	4547.9
21 JUN 2005	8.6	659	91.7	8.9	4553.5

* Values Exceed Upper Control Limit

4MW-7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-8

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
14 MAR 2005	9.2	673	103.7	8.4	4551.7
21 JUN 2005	8.4	668	102.7	8.6	4556.9

* Values Exceed Upper Control Limit

4MW-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-9

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
14 MAR 2005	9.0	666	98.3	8.2	4549.3
21 JUN 2005	8.4	667	99.0	8.5	4554.3

* Values Exceed Upper Control Limit

4MW-9

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-10

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
14 MAR 2005	9.5	676	103.6	8.4	4552.4
21 JUN 2005	8.4	670	100.4	8.6	4558.1

* Values Exceed Upper Control Limit

4MW-10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-11

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

14 MAR 2005	9.5	668	96.4	8.3		4551.6
21 JUN 2005	8.7	664	93.7	8.5		4556.5

* Values Exceed Upper Control Limit

4MW-11

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-12

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

14 MAR 2005	9.1	661	95.3	8.6		4549.6
22 JUN 2005	8.3	663	91.8	8.8		4559.3

* Values Exceed Upper Control Limit

4MW-12

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-13

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
14 MAR 2005	9.4	668	96.6	8.2	4552.9
21 JUN 2005	8.9	670	97.3	8.4	4558.2

* Values Exceed Upper Control Limit

4MW-13

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-14

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	10.0	667	100.0	8.5	4556.9
21 JUN 2005	8.4	667	106.0	8.5	4561.7

* Values Exceed Upper Control Limit

4MW-14

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-15

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.4	670	101.0	8.5	4553.6
21 JUN 2005	9.0	676	100.8	8.5	4558.3

* Values Exceed Upper Control Limit

4MW-15

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-16

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	10.2	671	103.5	8.6	4558.6
21 JUN 2005	8.4	668	107.2	8.5	4563.1

* Values Exceed Upper Control Limit

4MW-16

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-17

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	10.2	667	99.5	8.6	4555.6
21 JUN 2005	8.7	671	98.5	8.5	4560.2

* Values Exceed Upper Control Limit

4MW-17

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-18

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.9	675	99.7	8.5	4558.1
21 JUN 2005	8.6	674	101.4	8.5	4563.7

* Values Exceed Upper Control Limit

4MW-18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-19

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.4	670	104.2	8.5	4555.5
21 JUN 2005	8.9	673	99.8	8.4	4560.3

* Values Exceed Upper Control Limit 4MW-19
Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-20

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	10.0	675	99.7	8.4	4560.9
21 JUN 2005	8.1	675	104.3	8.5	4565.5

* Values Exceed Upper Control Limit 4MW-20
Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-21

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

15 MAR 2005	9.5	665	101.7	8.5		4555.6
21 JUN 2005	9.0	669	97.5	8.4		4561.1

* Values Exceed Upper Control Limit

4MW-21

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-22

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

15 MAR 2005	9.8	676	101.5	8.4		4562.0
21 JUN 2005	8.4	673	102.7	8.5		4565.9

* Values Exceed Upper Control Limit

4MW-22

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-23

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.8	673	101.1	8.5	4558.0
21 JUN 2005	8.8	675	99.1	8.4	4562.8

* Values Exceed Upper Control Limit

4MW-23

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-24

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.8	673	101.1	8.4	4561.3
21 JUN 2005	8.4	670	99.3	8.5	4565.4

* Values Exceed Upper Control Limit

4MW-24

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4MW-25

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	7.3	677	93.1	8.1	4559.8
21 JUN 2005	8.6	675	102.2	8.4	4564.3

* Values Exceed Upper Control Limit

4MW-25

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW1

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	8.0	787	95.3	8.2	4578.9
18 APR 2005	8.6	768	96.6	8.0	4584.9

* Values Exceed Upper Control Limit

5MW1

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW2

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	9.0	909	94.8	8.1		4576.3
18 APR 2005	9.1	883	98.5	8.0		4582.0

* Values Exceed Upper Control Limit

5MW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW3

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	7.7	764	93.4	8.1		4577.6
18 APR 2005	8.2	750	101.9	8.1		4584.8

* Values Exceed Upper Control Limit

5MW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW4

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	8.9	1125 *	104.6	8.1	4577.1
18 APR 2005	9.4	1093 *	113.4	8.0	4583.0

* Values Exceed Upper Control Limit

5MW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW5

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	7.3	810	91.7	8.2	4575.1
18 APR 2005	7.5	791	96.1	8.0	4580.0

* Values Exceed Upper Control Limit

5MW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW6

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	11.5	981	99.6	8.2	4576.7
18 APR 2005	12.4	972	107.8	8.0	4583.2

* Values Exceed Upper Control Limit

5MW6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW7

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	7.2	827	87.0	8.3	4572.4
18 APR 2005	7.8	821	95.5	8.1	4578.8

* Values Exceed Upper Control Limit

5MW7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW8

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	20.5	1074	191.7 *	8.0	4575.4
18 APR 2005	20.6	1054	179.1 *	8.1	4581.8

* Values Exceed Upper Control Limit

5MW8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW10

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	11.2	815	137.7 *	8.2	4575.0
27 APR 2005	12.1	807	143.7 *	8.2	4582.7

* Values Exceed Upper Control Limit

5MW10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW12

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	8.7	944	129.0	8.0	4570.2
18 APR 2005	8.8	935	126.1	8.1	4577.0

* Values Exceed Upper Control Limit

5MW12

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW14

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	9.0	688	113.1	8.4	4568.8
18 APR 2005	8.8	677	109.5	8.1	4576.1

* Values Exceed Upper Control Limit

5MW14

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW16

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	7.9	758	98.1	8.3		4568.0
18 APR 2005	8.4	736	104.2	8.0		4574.9

* Values Exceed Upper Control Limit

5MW16

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW18

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	7.4	853	90.9	8.2		4565.6
18 APR 2005	7.4	840	94.1	8.0		4573.1

* Values Exceed Upper Control Limit

5MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW20

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	7.1	868	89.1	8.3	4569.3
18 APR 2005	7.5	855	94.3	8.0	4566.8

* Values Exceed Upper Control Limit 5MW20
Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW30A

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.2	664	99.6	8.6	4572.0
18 APR 2005	8.3	670	100.3	8.4	4577.4

* Values Exceed Upper Control Limit 5MW30A
Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW31

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.3	653	100.2	8.5	4574.4
18 APR 2005	8.7	659	104.1	8.3	4577.8

* Values Exceed Upper Control Limit

5MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW32A

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	7.9	672	102.3	8.6	4570.5
18 APR 2005	8.2	666	105.8	8.4	4575.8

* Values Exceed Upper Control Limit

5MW32A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW33

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.2	672	99.3	8.4	4575.2
18 APR 2005	8.6	669	103.8	8.2	4579.3

* Values Exceed Upper Control Limit

5MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW34

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.0	675	103.6	8.4	4570.2
18 APR 2005	8.3	670	106.8	8.3	4577.1

* Values Exceed Upper Control Limit

5MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW35A

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.2	668	99.4	8.6	4575.1
18 APR 2005	8.7	669	103.2	8.2	4580.5

* Values Exceed Upper Control Limit

5MW35A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW36

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.0	677	104.9	8.5	4571.1
18 APR 2005	8.4	673	110.6	8.4	4578.5

* Values Exceed Upper Control Limit

5MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW37

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.2	635	107.6	8.7	4577.0
18 APR 2005	8.9	634	113.4	8.5	4586.3

* Values Exceed Upper Control Limit

5MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW38

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.0	683	106.3	8.4	4572.6
18 APR 2005	8.2	681	109.4	8.2	4578.8

* Values Exceed Upper Control Limit

5MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW39A

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	7.9	710	104.0	8.5	4583.6
18 APR 2005	8.3	700	109.5	8.2	4583.6

* Values Exceed Upper Control Limit

5MW39A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW40

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.7	670	107.0	8.5	4572.6
18 APR 2005	9.0	665	110.3	8.2	4579.5

* Values Exceed Upper Control Limit

5MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW41A

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.2	675	109.7	8.4	4582.9
27 APR 2005	8.4	667	105.6	8.4	4586.2

* Values Exceed Upper Control Limit

5MW41A

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW42

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.1	682	106.3	8.4	4574.7
18 APR 2005	8.5	678	110.7	8.3	4581.0

* Values Exceed Upper Control Limit

5MW42

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW43

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	7.9	681	111.2	8.8		4582.8
18 APR 2005	8.2	681	109.1	8.8		4583.3

* Values Exceed Upper Control Limit

5MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW44

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	8.4	670	102.8	8.5		4575.8
18 APR 2005	9.0	667	111.7	8.7		4580.7

* Values Exceed Upper Control Limit

5MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW45

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.1	682	110.4	8.4	4581.9
18 APR 2005	8.1	680	112.2	8.1	4588.4

* Values Exceed Upper Control Limit

5MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW46

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.4	683	111.0	8.4	4578.0
18 APR 2005	8.3	676	112.4	8.2	4579.2

* Values Exceed Upper Control Limit

5MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW47B

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	8.0	689	109.2	8.4		4588.2
18 APR 2005	8.2	683	113.9	8.1		4592.1

* Values Exceed Upper Control Limit

5MW47B

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW48

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	15.6	654	165.5	*	8.2	4579.4
18 APR 2005	17.9	665	155.7	*	8.1	4584.3

* Values Exceed Upper Control Limit

5MW48

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW49

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	7.7	686	105.4	8.3	4587.3
18 APR 2005	8.1	684	112.4	8.0	4591.9

* Values Exceed Upper Control Limit

5MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW50

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.6	676	105.3	8.4	4577.9
18 APR 2005	8.8	672	111.1	8.0	4579.3

* Values Exceed Upper Control Limit

5MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW51

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	7.9	686	108.1	8.3	4593.7
18 APR 2005	8.2	684	1113.0 *	8.0	4596.8

* Values Exceed Upper Control Limit

5MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW52

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.9	693	111.4	8.3	4579.2
18 APR 2005	9.0	690	116.7	8.0	4585.3

* Values Exceed Upper Control Limit

5MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW53

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.4	690	108.6	8.3	4589.0
18 APR 2005	8.4	687	114.0	8.1	4593.4

* Values Exceed Upper Control Limit

5MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW54

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	12.4	759	133.4	8.2	4580.0
18 APR 2005	13.3	757	148.7 *	8.0	4585.3

* Values Exceed Upper Control Limit

5MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW55

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
31 JAN 2005	10.0	691	112.7	8.3	4586.2
18 APR 2005	8.4	687	110.3	8.1	4591.1

* Values Exceed Upper Control Limit

5MW55

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW56

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	11.0	726	120.5	8.3	4578.6
18 APR 2005	10.9	719	122.0	8.1	4584.1

* Values Exceed Upper Control Limit

5MW56

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW57

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.6	693	111.2	8.3	4586.0
18 APR 2005	8.5	691	112.2	8.0	4590.3

* Values Exceed Upper Control Limit

5MW57

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW58

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	7.9	705	107.5	8.1	4579.1
18 APR 2005	8.7	691	111.6	8.2	4583.7

* Values Exceed Upper Control Limit

5MW58

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW59

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	8.4	690	107.5	8.4	4582.5
18 APR 2005	8.8	688	113.0	8.0	4587.7

* Values Exceed Upper Control Limit

5MW59

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW60

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	10.9	512	235.5 *	8.3	4577.8
18 APR 2005	11.3	518	240.0 *	8.3	4583.6

* Values Exceed Upper Control Limit

5MW60

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW61

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
10 JAN 2005	8.2	693	107.5	8.2		4583.6
18 APR 2005	8.8	689	113.0	8.0		4588.7

* Values Exceed Upper Control Limit

5MW61

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW62

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
11 JAN 2005	9.2	702	127.0	8.3		4576.1
18 APR 2005	9.9	719	122.0	8.0		4583.3

* Values Exceed Upper Control Limit

5MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW63

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
11 JAN 2005	8.8	683	106.9	8.3		4582.0
18 APR 2005	10.0	673	113.1	8.0		4587.8

* Values Exceed Upper Control Limit

5MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW64

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
11 JAN 2005	8.5	750	107.4	8.4		4576.7
18 APR 2005	9.0	735	111.2	8.1		4583.6

* Values Exceed Upper Control Limit

5MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW65

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	8.9	699	105.3	8.1	4581.6
18 APR 2005	9.8	686	111.0	8.1	4588.2

* Values Exceed Upper Control Limit

5MW65

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW66

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	31.1 *	1175 *	227.0 *	8.0	4577.4
18 APR 2005	33.5 *	1209 *	243.5 *	7.7	4583.1

* Values Exceed Upper Control Limit

5MW66

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW67

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	8.2	739	98.5	8.2		4576.3
20 APR 2005	8.2	730	104.0	8.2		4587.8

* Values Exceed Upper Control Limit

5MW67

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5MW69

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	8.1	779	96.4	8.4		4579.9
20 APR 2005	8.1	781	99.9	8.6		4586.4

* Values Exceed Upper Control Limit

5MW69

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW17-2

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
18 JAN 2005	5.0	1293	66.9	7.7		4495.8
07 FEB 2005	6.8	1297	66.9	8.1		4503.4
21 MAR 2005	5.2	1303	72.7	7.8		4502.8
27 APR 2005	5.2	1274	68.2	7.8		4494.1
31 MAY 2005	4.7	1281	70.4	8.2		4494.4

* Values Exceed Upper Control Limit

6MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW19

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
18 JAN 2005	5.0	1308	69.6	7.8		4539.3
07 FEB 2005	6.6	1310	69.1	8.2		4547.4
21 MAR 2005	5.1	1311	72.6	7.6		4544.8
27 APR 2005	5.2	1301	72.3	7.7		4540.9
23 MAY 2005	4.6	1310	72.5	8.1		4548.4

* Values Exceed Upper Control Limit

6MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW21

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

18 JAN 2005	5.5	1286	70.9	7.8		4531.5
07 FEB 2005	6.8	1286	71.0	8.2		4543.1
21 MAR 2005	5.2	1283	74.0	7.7		4539.8
27 APR 2005	5.2	1263	78.0	7.7		4534.6
23 MAY 2005	4.7	1268	76.7	8.1		4547.9

* Values Exceed Upper Control Limit

6MW21

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW23

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

18 JAN 2005	5.5	1231	66.3	8.1		4537.8
07 FEB 2005	6.9	1250	69.5	8.1		4542.8
21 MAR 2005	5.3	1231	69.2	8.2		4540.8
27 APR 2005	5.6	1210	70.3	7.9		4541.2
23 MAY 2005	5.0	1230	70.9	8.3		4537.3

* Values Exceed Upper Control Limit

6MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW25

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

20 JAN 2005	5.5	1261	69.6	8.2		4533.4
16 FEB 2005	5.4	1250	73.2	8.1		4542.0
23 MAR 2005	5.2	1259	73.2	8.0		4540.4
27 APR 2005	5.3	1252	73.6	7.8		4543.5
23 MAY 2005	5.0	1254	74.5	8.2		4532.1

* Values Exceed Upper Control Limit

6MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW27

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

20 JAN 2005	6.8	1124	104.7	*	8.1	4525.4
16 FEB 2005	7.2	1139	113.5	*	7.9	4536.8
23 MAR 2005	6.7	1145	110.4	*	8.0	4534.6
27 APR 2005	6.4	1148	101.5	*	7.7	4534.2
23 MAY 2005	5.9	1168	95.4	*	8.2	4534.4

* Values Exceed Upper Control Limit

6MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW29

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
27 JAN 2005	8.4	1239	66.0	8.7	4523.2
16 FEB 2005	5.7	1206	65.9	8.4	4530.1
23 MAR 2005	5.6	1215	74.0	8.6	4526.4
27 APR 2005	6.0	1199	71.4	8.8	4518.1
31 MAY 2005	5.1	1202	73.2	8.5	4540.7

* Values Exceed Upper Control Limit

6MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW31

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	9.5	1346	95.3 *	8.1	4511.4
23 MAR 2005	11.2	1395	111.6 *	7.7	4514.5
27 APR 2005	9.9	1318	95.5 *	7.6	4514.5
23 MAY 2005	5.9	1293	94.6	8.1	4511.1

* Values Exceed Upper Control Limit

6MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW33

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	5.5	1281	69.1	8.0		4489.1
07 FEB 2005	6.8	1279	66.9	8.1		4505.2
22 MAR 2005	5.1	1280	72.7	7.9		4507.8
27 APR 2005	5.2	1276	74.6	7.9		4505.6
23 MAY 2005	4.7	1270	74.8	8.1		4545.2

* Values Exceed Upper Control Limit

6MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW34

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
18 JAN 2005	4.8	1346	64.0	7.8		4542.7
07 FEB 2005	6.4	1348	62.4	8.2		4550.6
21 MAR 2005	4.8	1340	66.6	7.6		4550.8
27 APR 2005	4.9	1325	68.5	7.8		4545.8
31 MAY 2005	4.6	1327	69.1	8.0		4547.8

* Values Exceed Upper Control Limit

6MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW35

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	5.4	1280	70.8	7.9		4496.6
07 FEB 2005	6.7	1278	68.5	8.2		4502.5
22 MAR 2005	5.1	1277	74.4	7.7		4499.1
27 APR 2005	5.1	1277	76.1	7.9		4507.2
23 MAY 2005	5.0	1271	79.5	8.0		4547.7

* Values Exceed Upper Control Limit

6MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW36

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	6.2	1217	69.6	8.0		4538.4
16 FEB 2005	6.0	1211	73.1	7.6		4547.8
22 MAR 2005	6.1	1213	74.6	7.9		4547.2
27 APR 2005	6.0	1196	74.5	7.8		4546.7
23 MAY 2005	5.7	1210	74.6	8.0		4538.3

* Values Exceed Upper Control Limit

6MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW37

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

17 JAN 2005	5.8	1234	66.4	8.3		4496.7
07 FEB 2005	7.7	1236	63.3	8.1		4506.0
22 MAR 2005	5.7	1235	68.6	8.1		4507.2
27 APR 2005	5.7	1236	69.6	7.8		4508.3
23 MAY 2005	5.5	1230	72.1	8.2		4548.1

* Values Exceed Upper Control Limit

6MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW38

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

20 JAN 2005	5.3	1327	67.1	8.0		4536.3
16 FEB 2005	4.9	1326	72.1	7.8		4543.7
21 MAR 2005	4.9	1323	72.2	7.9		4541.3
27 APR 2005	5.2	1304	66.2	7.8		4543.6
31 MAY 2005	4.7	1317	73.9	8.0		4542.4

* Values Exceed Upper Control Limit

6MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW39

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	5.5	1248	62.4	8.3		4507.4
07 FEB 2005	7.3	1250	59.8	8.0		4516.9
21 MAR 2005	5.2	1252	66.4	7.9		4518.7
27 APR 2005	5.6	1249	64.2	8.3		4511.8
23 MAY 2005	4.8	1246	65.7	8.2		4546.6

* Values Exceed Upper Control Limit

6MW39

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW40

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	5.3	1333	63.7	8.1		4531.9
16 FEB 2005	5.2	1323	68.7	7.7		4538.5
21 MAR 2005	5.1	1332	66.8	7.8		4537.7
27 APR 2005	5.0	1324	65.6	7.9		4541.8
23 MAY 2005	4.6	1333	68.4	8.1		4555.8

* Values Exceed Upper Control Limit

6MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW41

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	5.8	1276	76.5	8.0		4508.5
07 FEB 2005	6.8	1271	71.0	8.1		4515.9
21 MAR 2005	5.7	1277	80.0	7.7		4521.2
27 APR 2005	5.8	1260	80.8	7.9		4505.5
23 MAY 2005	5.2	1268	79.3	8.1		4547.9

* Values Exceed Upper Control Limit

6MW41

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW42

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	5.3	1331	64.3	8.0		4528.3
22 FEB 2005	5.2	1319	70.4	8.0		4537.3
22 MAR 2005	5.1	1333	68.3	7.8		4538.4
27 APR 2005	5.0	1330	66.4	7.9		4541.8
23 MAY 2005	4.7	1347	68.9	8.0		4559.4

* Values Exceed Upper Control Limit

6MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW43

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
20 JAN 2005	5.5	1281	70.8	8.0	4508.1
07 FEB 2005	6.5	1278	68.6	8.2	4512.0
22 MAR 2005	5.2	1274	74.3	7.8	4511.6
27 APR 2005	5.1	1271	73.0	8.0	4501.6
31 MAY 2005	5.0	1285	79.2	8.2	4547.2

* Values Exceed Upper Control Limit

6MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW44

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
18 JAN 2005	5.1	1317	62.5	8.2	4521.3
07 FEB 2005	6.8	1336	62.6	8.2	4525.9
22 MAR 2005	5.3	1307	66.8	7.8	4530.6
27 APR 2005	5.6	1267	58.9	7.8	4533.5
31 MAY 2005	4.7	1334	72.5	8.2	4541.5

* Values Exceed Upper Control Limit

6MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW45

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	5.5	1278	69.4	8.0		4509.9
16 FEB 2005	5.1	1275	74.1	7.5		4525.3
22 MAR 2005	5.1	1280	72.5	7.6		4521.6
27 APR 2005	5.4	1263	69.9	7.8		4499.5
23 MAY 2005	5.0	1275	74.1	7.9		4546.4

* Values Exceed Upper Control Limit

6MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW46

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
18 JAN 2005	6.1	1380	74.5	7.9		4515.3
09 FEB 2005	7.7	1363	74.6	7.5		4525.5
22 MAR 2005	6.3	1367	79.0	7.7		4525.2
27 APR 2005	6.4	1341	75.6	7.6		4533.5
31 MAY 2005	5.6	1322	70.7	8.2		4550.4

* Values Exceed Upper Control Limit

6MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW47

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

17 JAN 2005	5.8	1254	72.4	8.1		4508.3
16 FEB 2005	5.3	1269	74.7	7.7		4531.0
22 MAR 2005	5.4	1279	76.7	7.8		4523.9
27 APR 2005	5.4	1265	71.7	8.1		4499.5
31 MAY 2005	4.8	1265	73.1	8.0		4545.9

* Values Exceed Upper Control Limit

6MW47

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW48-3

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

20 JAN 2005	5.5	1321	64.3	8.0		4512.3
15 FEB 2005	5.2	1319	68.4	7.9		4525.5
22 MAR 2005	5.3	1329	68.7	7.7		4520.3
27 APR 2005	5.7	1305	68.2	7.8		4534.2
31 MAY 2005	5.0	1310	68.7	8.0		4548.4

* Values Exceed Upper Control Limit

6MW48-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW49

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

17 JAN 2005	5.6	1275	69.4	7.9		4507.8
09 FEB 2005	6.7	1279	71.5	7.8		4531.1
22 MAR 2005	5.7	1276	76.1	7.5		4521.0
27 APR 2005	5.3	1269	70.7	7.8		4497.6
31 MAY 2005	5.1	1272	74.8	7.8		4546.5

* Values Exceed Upper Control Limit

6MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW50

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

17 JAN 2005	5.5	1315	65.3	8.1		4504.1
09 FEB 2005	6.4	1321	68.3	7.7		4514.5
22 MAR 2005	5.3	1317	70.5	7.7		4514.0
27 APR 2005	5.3	1316	70.5	8.0		4526.8
31 MAY 2005	4.7	1319	68.3	8.0		4536.8

* Values Exceed Upper Control Limit

6MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW51

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	5.6	1274	69.2	8.1		4510.1
09 FEB 2005	6.7	1276	71.9	7.8		4528.3
22 MAR 2005	5.4	1280	73.2	7.8		4521.1
27 APR 2005	5.7	1268	73.0	7.9		4505.4
31 MAY 2005	5.1	1272	75.1	8.0		4545.2

* Values Exceed Upper Control Limit

6MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW52

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	5.9	1233	71.0	8.1		4511.5
09 FEB 2005	7.1	1237	75.5	7.6		4520.8
22 MAR 2005	5.7	1234	74.8	7.9		4520.8
27 APR 2005	5.8	1229	74.0	8.1		4529.3
31 MAY 2005	5.3	1233	74.8	8.1		4537.0

* Values Exceed Upper Control Limit

6MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW53

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	6.1	1201	67.2	8.5		4517.8
09 FEB 2005	7.1	1199	71.7	7.8		4531.3
22 MAR 2005	6.2	1201	76.3	8.1		4528.7
27 APR 2005	6.0	1193	70.0	8.5		4521.6
31 MAY 2005	5.6	1196	71.3	8.3		4539.8

* Values Exceed Upper Control Limit

6MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6MW54

CHRISTENSEN RANCH
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	5.8	1254	68.3	8.1		4513.2
09 FEB 2005	7.0	1249	71.6	7.9		4522.7
22 MAR 2005	5.7	1243	71.4	8.0		4521.4
27 APR 2005	5.7	1246	69.0	8.0		4528.2
31 MAY 2005	5.5	1246	74.6	8.3		4540.4

* Values Exceed Upper Control Limit

6MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN PROJECT

Interior Shallow Sand Monitor Wells

Mine Unit 5
Well I.D. MW-11S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
11 JAN 2005	6.5	1286	94.6	8.0		4638.1
25 APR 2005	7.2	1310	102.7	7.7		4637.8

* Values Exceed Upper Control Limit

MW-11S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW46S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
03 JAN 2005	10.2	1536 *	128.7	8.0		4550.5
05 APR 2005	10.6	1440 *	144.7	7.5		4551.0

* Values Exceed Upper Control Limit

MW46S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW48S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.3	1811 *	125.5	7.9	4552.7
28 APR 2005	9.6	1850 *	122.4	7.4	4553.1

* Values Exceed Upper Control Limit

MW48S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW50S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	8.7	1338	150.2	8.0	4554.6
11 APR 2005	8.9	1305	151.6	7.6	4553.9

* Values Exceed Upper Control Limit

MW50S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW52S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	7.4	1405	96.7	8.1	4547.0
05 APR 2005	7.5	1378	96.3	7.7	4547.5

* Values Exceed Upper Control Limit

MW52S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW54S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
04 JAN 2005	7.3	1481	116.3	8.0	4557.8
11 APR 2005	7.5	1479	121.0	7.6	4558.1

* Values Exceed Upper Control Limit

MW54S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW56S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	13.5	1087	184.4			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezomet. Elevation
04 JAN 2005	6.0	931	131.6	8.4	4555.9
11 APR 2005	6.5	943	140.2	8.0	4555.4

* Values Exceed Upper Control Limit

MW56S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW58S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
04 JAN 2005	6.9	952	103.1	8.6	4565.1
11 APR 2005	7.2	944	110.8	8.0	4566.3

* Values Exceed Upper Control Limit

MW58S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW66S-2

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
04 JAN 2005	6.9	1456	109.5	8.1	4571.0
11 APR 2005	7.2	1477	115.5	7.6	4571.3

* Values Exceed Upper Control Limit

MW66S-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW68S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	16.9	2324	227.3	7.4	4574.1
21 JUN 2005	15.7	2351	215.3	7.4	4575.2

* Values Exceed Upper Control Limit

MW68S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW70S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
07 MAR 2005	10.9	1802	22.1	8.3		4559.0
21 JUN 2005	11.4	1691	25.9	7.9		4560.0

* Values Exceed Upper Control Limit

MW70S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW72S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
07 MAR 2005	12.0	2148	150.5	7.8		4564.9
21 JUN 2005	11.9	2123	154.1	7.6		4565.8

* Values Exceed Upper Control Limit

MW72S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW92S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	11.7	2296	144.5	7.4	4571.1
21 JUN 2005	11.7	2308	139.4	7.3	4572.2

* Values Exceed Upper Control Limit

MW92S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW94S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	14.0	2517	183.4	7.3	4550.7
21 JUN 2005	14.0	2556	187.0	7.3	4552.2

* Values Exceed Upper Control Limit

MW94S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW96S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	11.5	2586	227.5	7.4	4567.2
21 JUN 2005	11.4	2598	223.5	7.3	4568.8

* Values Exceed Upper Control Limit

MW96S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW98S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	13.0	2513	163.6	7.4	4557.5
21 JUN 2005	13.1	2570	162.4	7.4	4558.8

* Values Exceed Upper Control Limit

MW98S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW100S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	12.5	2399	150.5	7.5	4555.0
21 JUN 2005	12.9	2525	168.4	7.4	4556.2

* Values Exceed Upper Control Limit

MW100S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW112S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	13.8	3200	530.8	11.4	4552.9
21 JUN 2005	13.7	3290	541.2	11.2	4553.7

* Values Exceed Upper Control Limit

MW112S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW117S

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	7.9	733	131.0	8.0	4530.9
21 JUN 2005	8.0	734	137.1	8.2	4532.8

* Values Exceed Upper Control Limit

MW117S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4SM-1

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	6.7	1192	93.9	7.9	4607.3
21 JUN 2005	6.7	1252	92.4	8.1	4608.7

* Values Exceed Upper Control Limit

4SM-1

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4SM-4

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

15 MAR 2005	6.6	1069	104.3	7.6		4594.3
21 JUN 2005	6.2	1059	101.4	7.9		4595.9

* Values Exceed Upper Control Limit

4SM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4SM-8

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

15 MAR 2005	6.7	855	125.7	7.8		4590.5
21 JUN 2005	6.1	830	116.3	8.0		4592.2

* Values Exceed Upper Control Limit

4SM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4SRM-07

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	19.4	1175	447.1			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezomet. Elevation
15 MAR 2005	9.2	507	258.2	7.9	4578.2
21 JUN 2005	8.6	510	253.7	8.1	4579.5

* Values Exceed Upper Control Limit

4SRM-07

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5SM1

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	7.5	1218	90.3	7.9	4627.1
25 APR 2005	8.0	1199	91.5	7.9	4628.0

* Values Exceed Upper Control Limit

5SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5SM2

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	6.9	1183	97.5	8.0	4672.1
25 APR 2005	7.1	1173	103.6	7.7	4673.8

* Values Exceed Upper Control Limit

5SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5SM3

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	6.9	1413	82.4	8.3	4671.8
27 APR 2005	7.2	1390	87.0	8.5	4672.9

* Values Exceed Upper Control Limit

5SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5SM5

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	6.0	1309	99.7	7.8	4678.0
25 APR 2005	6.5	1309	108.8	7.5	4682.9

* Values Exceed Upper Control Limit

5SM5

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5SM6

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	9.1	611	171.0	8.4	4667.2
27 APR 2005	9.7	607	168.2	8.6	4667.8

* Values Exceed Upper Control Limit

5SM6

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5SM7

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
11 JAN 2005	15.3	1093	248.9	8.1		4660.7
27 APR 2005	16.2	1155	233.3	7.8		4662.2

* Values Exceed Upper Control Limit

5SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. WCOW-04

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
11 JAN 2005	6.8	1533	103.0	8.0		4638.1
25 APR 2005	6.8	1323	108.1	7.9		4636.0

* Values Exceed Upper Control Limit

WCOW-04

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM1

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	6.8	1051	104.6	8.4		4701.8
15 FEB 2005	6.8	1068	112.8	8.3		4701.4
22 MAR 2005	6.8	1070	111.9	8.2		4700.9
27 APR 2005	6.6	1040	115.9	8.4		4701.5
23 MAY 2005	6.9	1116	114.2	8.2		4722.3

* Values Exceed Upper Control Limit

6SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM2

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	8.0	1925	78.8	7.8		4705.0
09 FEB 2005	9.6	1931	83.2	7.1		4705.2
22 MAR 2005	8.0	1945	84.4	7.6		4705.4
27 APR 2005	8.0	1909	85.8	7.4		4706.6
31 MAY 2005	7.5	1935	85.2	7.8		4704.9

* Values Exceed Upper Control Limit

6SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM3

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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					
17 JAN 2005	8.4	2040	63.7	7.7	4715.5
09 FEB 2005	9.5	2058	65.3	7.1	4716.5
22 MAR 2005	8.3	2097	67.7	7.4	4716.6
27 APR 2005	8.5	2054	69.1	7.4	4717.6
31 MAY 2005	8.0	2074	66.5	7.6	4716.6

* Values Exceed Upper Control Limit

6SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM4

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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					
17 JAN 2005	6.8	1692	65.8	8.0	4715.8
16 FEB 2005	7.1	1611	42.4	7.6	4716.8
22 MAR 2005	6.7	1714	63.6	7.7	4717.2
27 APR 2005	7.0	1700	54.5	7.7	4717.2
31 MAY 2005	6.1	1449	50.0	7.4	4716.8

* Values Exceed Upper Control Limit

6SM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM5

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	22	1966	289.1			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
17 JAN 2005	7.7	1613	89.7	8.0		4706.8
09 FEB 2005	9.3	1619	92.6	7.2		4706.8
22 MAR 2005	7.9	1623	94.7	7.8		4706.7
27 APR 2005	8.3	1571	93.5	7.4		4706.4
31 MAY 2005	6.8	1506	87.1	7.8		4706.4

* Values Exceed Upper Control Limit

6SM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM6

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	11.6	499	245.1	8.3		4688.2
09 FEB 2005	13.1	499	255.1	7.5		4689.8
22 MAR 2005	11.7	499	251.4	8.1		4690.0
27 APR 2005	11.9	493	251.2	8.0		4690.3
31 MAY 2005	10.8	494	247.8	8.2		4689.4

* Values Exceed Upper Control Limit

6SM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM7

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	11.2	491	236.8	8.4		4689.1
16 FEB 2005	12.0	495	256.1	8.2		4707.4
22 MAR 2005	11.4	494	251.8	8.2		4690.4
27 APR 2005	11.6	489	248.8	8.3		4690.1
31 MAY 2005	10.6	483	243.9	7.9		4689.1

* Values Exceed Upper Control Limit

6SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM8

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	10.0	2187	51.5	7.8		4729.3
09 FEB 2005	11.6	2217	52.1	7.5		4731.5
22 MAR 2005	10.5	2214	55.5	7.1		4732.4
27 APR 2005	10.3	2179	53.7	7.0		4730.2
31 MAY 2005	9.5	2195	52.9	7.4		4730.1

* Values Exceed Upper Control Limit

6SM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM9

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	9.0	2043	19.1	8.1	4729.9
15 FEB 2005	7.9	2010	23.8	7.3	4731.1
22 MAR 2005	9.4	2062	20.4	7.9	4731.1
27 APR 2005	9.4	2026	16.8	8.0	4730.5
31 MAY 2005	9.0	1815	27.5	7.4	4731.0

* Values Exceed Upper Control Limit

6SM9

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM10

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	10.7	750	237.7	8.1	4678.0
15 FEB 2005	10.4	745	243.5	8.2	4678.4
23 MAR 2005	10.7	741	244.6	8.2	4679.7
27 APR 2005	10.9	754	244.8	8.2	4679.4
31 MAY 2005	9.8	752	250.8	8.0	4678.3

* Values Exceed Upper Control Limit

6SM10

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM11

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	13.6	2571	81.0	8.3		4729.0
16 FEB 2005	13.2	2560	79.4	7.7		4730.1
22 MAR 2005	13.2	2602	80.2	7.7		4730.2
27 APR 2005	13.4	2531	71.9	8.0		4730.0
31 MAY 2005	12.1	2551	71.1	7.8		4730.0

* Values Exceed Upper Control Limit

6SM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM12

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	12.4	2690	98.8	7.8		4727.2
15 FEB 2005	12.0	2699	101.5	7.5		4730.0
22 MAR 2005	12.4	2714	102.9	7.4		4729.5
27 APR 2005	12.5	2654	102.3	7.4		4729.7
31 MAY 2005	11.3	2638	100.3	7.5		4729.7

* Values Exceed Upper Control Limit

6SM12

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM13

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	12.1	2230	70.5	7.8		4729.0
15 FEB 2005	12.0	2240	74.6	7.5		4729.8
22 MAR 2005	12.3	2247	75.0	7.3		4730.4
27 APR 2005	12.3	2232	72.1	7.7		4730.7
31 MAY 2005	11.5	2250	75.7	7.6		4730.3

* Values Exceed Upper Control Limit

6SM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6SM14

CHRISTENSEN RANCH
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	7.7	1154	125.6	8.1		4700.5
15 FEB 2005	7.8	1145	131.0	8.2		4704.2
23 MAR 2005	7.7	1147	132.4	8.4		4701.5
27 APR 2005	7.9	1145	130.0	7.9		4703.0
31 MAY 2005	7.0	1147	131.4	7.8		4703.1

* Values Exceed Upper Control Limit

6SM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Interior Deep Sand Monitor Wells

Mine Unit 5
Well I.D. MW-12D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	10.3	592	156.9	8.3	4591.5
25 APR 2005	10.2	587	158.5	8.2	4592.8

* Values Exceed Upper Control Limit

MW-12D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW45D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.2	603	122.6	8.6	4527.9
05 APR 2005	9.8	586	137.6	8.2	4529.6

* Values Exceed Upper Control Limit

MW45D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW47D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

03 JAN 2005	8.9	582	133.5	8.7		4529.8
28 APR 2005	9.3	578	140.0	8.6		4531.6

* Values Exceed Upper Control Limit

MW47D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW49D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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

03 JAN 2005	8.7	551	149.5	8.7		4531.8
11 APR 2005	9.4	560	159.6 *	8.4		4533.3

* Values Exceed Upper Control Limit

MW49D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW51D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
03 JAN 2005	9.9	623	111.6	8.7	4526.7
05 APR 2005	10.7	599	137.0	8.6	4527.8

* Values Exceed Upper Control Limit

MW51D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW53D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
04 JAN 2005	9.7	648	94.7	8.6	4534.6
11 APR 2005	9.9	647	103.8	8.3	4535.8

* Values Exceed Upper Control Limit

MW53D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3
Well I.D. MW55D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
04 JAN 2005	8.7	559	140.0	8.8	4534.0
11 APR 2005	9.1	532	163.3	8.6	4535.2

* Values Exceed Upper Control Limit
Negative U3O8 Grades Indicate Less Than Detection Limit. MW55D

Mine Unit 3
Well I.D. MW57D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
04 JAN 2005	10.1	640	101.1	8.6	4538.8
28 APR 2005	12.0	636	103.7	8.4	4547.7

* Values Exceed Upper Control Limit
Negative U3O8 Grades Indicate Less Than Detection Limit. MW57D

Mine Unit 3
Well I.D. MW65D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
04 JAN 2005	7.0	486	172.3 *	9.1	4543.7
11 APR 2005	7.2	465	169.5 *	8.8	4544.5

* Values Exceed Upper Control Limit

MW65D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW67D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.3	563	169.4 *	8.8	4523.0
21 JUN 2005	9.6	576	180.6 *	8.7	4526.0

* Values Exceed Upper Control Limit

MW67D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW69D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.4	617	135.7 *	8.8	4524.4
21 JUN 2005	10.4	626	134.2 *	8.8	4527.2

* Values Exceed Upper Control Limit

MW69D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW71D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.3	630	130.0	8.8	4526.2
21 JUN 2005	10.2	636	134.2 *	8.8	4526.2

* Values Exceed Upper Control Limit

MW71D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW91D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	8.8	525	185.0 *	8.5	4522.8
21 JUN 2005	9.5	521	190.4 *	8.4	4525.5

* Values Exceed Upper Control Limit

MW91D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW93D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.8	653	105.4	8.4	4521.5
21 JUN 2005	9.8	657	107.1	8.3	4524.3

* Values Exceed Upper Control Limit

MW93D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW95D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.7	648	111.8	8.3	4521.6
21 JUN 2005	9.5	653	111.1	8.2	4524.5

* Values Exceed Upper Control Limit

MW95D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW97D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	10.5	606	116.4	8.4	4521.1
21 JUN 2005	10.5	617	122.9	8.2	4523.6

* Values Exceed Upper Control Limit

MW97D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW99D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	10.3	489	211.9 *	8.7	4518.1
21 JUN 2005	10.8	504	221.4 *	8.5	4520.4

* Values Exceed Upper Control Limit

MW99D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW113D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	11.1	482	220.0 *	8.8	4518.5
21 JUN 2005	11.2	487	228.6 *	8.7	4520.9

* Values Exceed Upper Control Limit

MW113D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4DM-1

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	8.8	566	125.8	8.7	4561.2
21 JUN 2005	8.1	565	123.9	8.6	4563.0

* Values Exceed Upper Control Limit

4DM-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4DM-4

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.4	514	146.5	8.7	4551.4
21 JUN 2005	7.9	515	150.6	8.7	4553.9

* Values Exceed Upper Control Limit

4DM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4DM-8

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.3	511	141.0	8.6	4546.0
21 JUN 2005	8.0	513	151.3	8.6	4548.5

* Values Exceed Upper Control Limit

4DM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4
Well I.D. 4DRM-07

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
15 MAR 2005	9.5	528	123.5	8.5	4556.0
21 JUN 2005	7.7	530	134.7	8.5	4548.5

* Values Exceed Upper Control Limit

4DRM-07

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5DM1A

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	5.6	408	194.1	8.8	4595.4
25 APR 2005	5.3	403	198.7	8.8	4597.4

* Values Exceed Upper Control Limit

5DM1A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5DM2

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	10.1	624	110.7	8.9	4590.2
25 APR 2005	10.9	611	119.0	9.0	4591.2

* Values Exceed Upper Control Limit

5DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5DM3

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	9.2	544	138.1	8.6		4593.6
27 APR 2005	9.3	535	137.5	8.8		4590.7

* Values Exceed Upper Control Limit

5DM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5DM4

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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 2005	5.6	427	211.8	8.7		4594.8
25 APR 2005	5.7	420	216.5	8.7		4595.9

* Values Exceed Upper Control Limit

5DM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5DM5

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	5.9	448	225.0	8.6	4592.0
25 APR 2005	6.1	442	239.3	8.5	4593.4

* Values Exceed Upper Control Limit

5DM5

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5DM7

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
10 JAN 2005	7.8	532	238.2	8.4	4589.8
27 APR 2005	8.5	522	239.4	8.5	4590.9

* Values Exceed Upper Control Limit

5DM7

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. WCOW-37D

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	8.8	458	240.5	8.4	4585.0
27 APR 2005	9.0	459	238.5	8.6	4591.0

* Values Exceed Upper Control Limit

WCOW-37D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM1

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	8.7	786	91.1	8.0	4521.3
07 FEB 2005	10.1	798	83.5	8.2	4527.1
21 MAR 2005	8.3	794	93.3	8.1	4529.0
27 APR 2005	8.4	797	96.6	7.9	4528.0
23 MAY 2005	7.8	793	94.7	8.1	4531.7

* Values Exceed Upper Control Limit

6DM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM2

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	6.6	1117	65.0	8.8		4518.9
07 FEB 2005	7.7	1123	63.3	8.0		4526.9
21 MAR 2005	6.4	1119	67.9	8.8		4528.2
27 APR 2005	6.6	1122	71.9	8.6		4527.5
23 MAY 2005	6.2	1117	69.9	8.8		4532.7

* Values Exceed Upper Control Limit

6DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM3-2

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	6.6	1106	73.4	7.7		4517.9
07 FEB 2005	9.5	1109	70.8	7.9		4526.2
21 MAR 2005	6.4	1106	77.5	7.6		4527.4
27 APR 2005	6.6	1104	79.1	7.5		4526.9
23 MAY 2005	6.2	1101	78.0	7.8		4534.7

* Values Exceed Upper Control Limit

6DM3-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM4-2

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	7.1	1058	82.4	8.4	4517.5
16 FEB 2005	6.7	1069	80.9	8.1	4541.9
21 MAR 2005	6.7	1097	80.9	8.2	4527.0
27 APR 2005	6.9	1092	83.4	8.0	4527.5
23 MAY 2005	6.6	1088	82.2	8.3	4533.6

* Values Exceed Upper Control Limit

6DM4-2

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM5

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	6.5	1148	70.2	7.6	4516.1
07 FEB 2005	8.8	1161	72.8	7.9	4522.9
22 MAR 2005	6.3	1160	77.9	7.9	4524.5
27 APR 2005	6.8	1134	75.4	7.9	4526.8
23 MAY 2005	6.2	1153	76.6	7.6	4533.3

* Values Exceed Upper Control Limit

6DM5

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM6

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezomet. Elevation
27 JAN 2005	8.5	839	91.6	8.3	4523.2
16 FEB 2005	7.5	842	91.5	8.2	4533.1
23 MAR 2005	7.7	842	93.1	8.3	4533.1
27 APR 2005	7.5	841	91.0	8.2	4532.3
23 MAY 2005	7.1	840	92.4	8.3	4530.7

* Values Exceed Upper Control Limit

6DM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM7

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
18 JAN 2005	7.3	858	83.6	8.0	4538.8
16 FEB 2005	7.3	867	88.6	8.0	4545.8
23 MAR 2005	7.4	870	89.2	8.1	4546.3
27 APR 2005	7.4	852	88.2	7.9	4541.3
23 MAY 2005	6.8	874	89.5	8.2	4541.6

* Values Exceed Upper Control Limit

6DM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM8

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	7.5	846	82.1	8.4		4528.7
07 FEB 2005	7.4	839	82.0	8.3		4529.9
23 MAR 2005	7.4	830	81.8	8.2		4538.7
27 APR 2005	7.5	813	84.1	8.1		4536.2
23 MAY 2005	7.3	845	90.5	8.3		4533.1

* Values Exceed Upper Control Limit

6DM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM9

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	8.2	829	84.0	7.7		4526.5
07 FEB 2005	7.9	825	87.5	7.8		4529.1
22 MAR 2005	7.6	826	89.3	7.9		4536.1
27 APR 2005	7.4	815	90.0	7.7		4534.7
23 MAY 2005	7.1	836	92.2	8.2		4534.0

* Values Exceed Upper Control Limit

6DM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM10

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	7.5	840	85.3	8.3		4526.8
07 FEB 2005	7.5	840	90.0	8.3		4533.7
23 MAR 2005	7.6	843	90.9	8.4		4535.7
27 APR 2005	7.4	827	90.1	8.2		4535.1
23 MAY 2005	7.1	822	90.2	8.2		4539.4

* Values Exceed Upper Control Limit

6DM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM11

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
20 JAN 2005	8.6	580	254.0	8.6		4537.3
16 FEB 2005	9.1	584	251.5	8.6		4544.7
21 MAR 2005	8.9	586	245.7	8.6		4540.7
27 APR 2005	8.8	581	236.8	8.2		4547.0
23 MAY 2005	8.6	582	239.1	8.4		4541.7

* Values Exceed Upper Control Limit

6DM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM12

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	8.0	535	126.2	8.7	4537.7
07 FEB 2005	8.0	530	129.9	8.6	4546.5
21 MAR 2005	8.0	533	132.2	8.6	4547.5
27 APR 2005	8.6	527	138.5	8.5	4547.8
23 MAY 2005	7.3	534	140.0	8.6	4542.9

* Values Exceed Upper Control Limit

6DM12

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM13

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	8.0	634	185.8	8.2	4535.6
07 FEB 2005	8.0	630	189.5	8.2	4543.2
21 MAR 2005	8.0	632	192.8	8.3	4545.5
27 APR 2005	7.8	622	192.2	8.2	4545.2
23 MAY 2005	7.3	634	192.6	8.1	4541.1

* Values Exceed Upper Control Limit

6DM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DM14

CHRISTENSEN RANCH
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	7.8	818	90.3	8.4	4522.5
07 FEB 2005	7.6	820	91.6	8.2	4533.0
23 MAR 2005	7.7	828	92.4	8.3	4531.9
27 APR 2005	7.9	805	96.0	7.9	4534.1
23 MAY 2005	7.4	827	93.5	8.2	4531.0

* Values Exceed Upper Control Limit

6DM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Perimeter Ore Zone Trend Wells

Mine Unit 2
Well I.D. MW78T

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
07 MAR 2005	9.5	665	98.7	8.3	4526.1
21 JUN 2005	9.3	666	91.7	8.0	4532.7

* Values Exceed Action Level

MW78T

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2
Well I.D. MW87T

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality 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	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
08 MAR 2005	9.7	663	98.5	8.4	4525.1
21 JUN 2005	10.2	664	97.9	8.0	4531.7

* Values Exceed Action Level

MW87T

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5TW-1

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	22.7	1004	134.3			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
11 JAN 2005	8.4	719	101.2	8.4	4564.7
27 APR 2005	9.0	708	100.8	8.5	4579.0

* Values Exceed Action Level

5TW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6TW1

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	20	1576	95.2			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
17 JAN 2005	7.3	1081	58.5	8.8	4516.4
15 FEB 2005	7.5	1139	69.9	7.9	4526.1
22 MAR 2005	7.6	1164	69.0	7.9	4526.1
27 APR 2005	8.3	1170	74.2	7.3	4533.6
31 MAY 2005	7.8	1179	76.1	8.2	4524.8

* Values Exceed Action Level

6TW1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6TW2

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	20	1576	95.2			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
17 JAN 2005	5.5	1319	66.7	8.3		4515.9
09 FEB 2005	6.8	1318	70.2	7.5		4525.6
23 MAR 2005	5.6	1312	71.1	8.0		4522.0
27 APR 2005	12.4	1386	107.5 *	7.7		4529.8
31 MAY 2005	13.5	1428	120.9 *	8.0		4530.1

* Values Exceed Action Level

6TW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6TW3

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	20	1576	95.2			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
18 JAN 2005	5.9	1309	66.2	7.8		4517.7
15 FEB 2005	5.9	1292	73.2	7.5		4527.6
23 MAR 2005	6.0	1301	70.8	8.0		4523.5
27 APR 2005	6.6	1303	69.4	7.8		4514.6
31 MAY 2005	4.8	1277	71.9	7.9		4541.1

* Values Exceed Action Level

6TW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6TW4

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	20	1576	95.2			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezomet. Elevation
18 JAN 2005	16.6	1391	134.4 *	7.9		4517.5
07 FEB 2005	15.9	1349	139.0 *	8.1		4520.0
23 MAR 2005	15.2	1319	139.7 *	8.3		4524.0
27 APR 2005	19.2	1426	192.2 *	7.9		4525.5
31 MAY 2005	10.7	1189	119.8 *	7.9		4534.5

* Values Exceed Action Level

6TW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6TW5

CHRISTENSEN RANCH
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	20	1576	95.2			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
18 JAN 2005	9.3	1306	107.6 *	8.0		4518.4
09 FEB 2005	13.2	1416	152.9 *	7.2		4534.3
23 MAR 2005	8.9	1270	109.0 *	8.2		4530.2
27 APR 2005	18.8	1776 *	312.2 *	7.3		4535.5
31 MAY 2005	7.9	1265	120.9 *	7.9		4529.9

* Values Exceed Action Level

6TW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

CHRISTENSEN RANCH PROJECT

Interior Deep Sand Trend Wells

Mine Unit 5
Well I.D. 5DM8T

CHRISTENSEN RANCH
INTERIOR DEEP SAND TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	22.8	1017	420.9			

Date

10 JAN 2005	8.8	589	123.9	8.4		4581.6
25 APR 2005	9.1	582	134.0	8.4		4584.4

* Values Exceed Action Level

5DM8T

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5
Well I.D. 5DM9T

CHRISTENSEN RANCH
INTERIOR DEEP SAND TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	22.8	1017	420.9			

Date

11 JAN 2005	10.5	518	137.7	8.6		4571.7
20 APR 2005	10.1	520	136.1	8.7		4584.2

* Values Exceed Action Level

5DM9T

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6
Well I.D. 6DT1

CHRISTENSEN RANCH
INTERIOR DEEP SAND TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO ₃		mg/l	msl
Action Level	21.3	1802	121.7			

Date	Chloride	Specific Conductance	Total Alkalinity	pH	Piezometric Elevation
20 JAN 2005	8.7	812	93.7	8.3	4517.5
07 FEB 2005	9.8	819	86.3	8.3	4524.2
22 MAR 2005	8.0	813	94.6	8.2	4517.1
27 APR 2005	8.4	814	95.0	8.0	4529.0
23 MAY 2005	8.1	814	96.9	8.2	4532.0

* Values Exceed Action Level

6DT1

Negative U3O8 Grades Indicate Less Than Detection Limit.

APPENDIX 3

Reclamation/Restoration Bond Estimate 2005-2006

**Reclamation Bond Assumptions
Irigaray and Christensen Ranch ISL Projects
WDEQ Permit to Mine No. 478
NRC License SUA-1341
2005-2006 Annual Report**

This year's bond estimate is based upon the 2003 base-bond estimate where very detailed explanations were provided for the updated costs. Some minor changes were made in 2004 and an inflation factor of 2.6% was added to convert 2003\$ to 2004\$. For the 2005-2006 estimate, the inflation factor has increased to 5.9% to adjust from August 2003 to July 2005. This inflation rate equates to the difference between the Consumer Price Index (all urban customers) for August 2003 of 184.6 and the July 2005 value of 195.4.

Costs in the bond estimate are thoroughly detailed and were developed by using either 1) COGEMA's actual costs, 2) a published reference source, or 3) quotes from local third-party contractors. The method by which unit rates and costs were derived is provided in the explanation for each worksheet, below.

Table 1 – Summary of Reclamation/Restoration Bond Estimate

Table 1 is a summary of costs from individual bond worksheets. Added to the grand total of estimated spending are "miscellaneous" costs associated with the hiring of a third party contractor to actually perform the work. The specific miscellaneous costs are a requirement of the Wyoming Department of Environmental Quality (WDEQ), as outlined in the WDEQ Land Quality Division's Guideline No. 12, "Standardized Reclamation Performance Bond Format and Cost Calculation Methods", page 11. The U.S. Nuclear Regulatory Commission (NRC) also requires similar miscellaneous costs in NUREG-1569 and further mandates that a standard contingency, in this case 15%, be added to the overall bond cost.

The current miscellaneous costs and contingency on Table 1 for both the WDEQ and NRC adds up to 23.5%. COGEMA is proposing that this percentage be reduced to a total of 20% in this surety estimate. Table 1 is the only table that is affected by this proposed decrease. The decrease is proposed because a review of the miscellaneous costs associated with third party contractors seemed to be excessive considering the status of the reclamation project, i.e. all groundwater restoration has been completed and only the decommissioning of structures remains. An explanation of the various miscellaneous costs, proposed revisions to these costs, and contingency for Table 1 are as follows.

Project Design

This is the cost for an independent firm to design the final reclamation project. This includes all design and engineering work through production of construction documents. WDEQ reference sources place this category at 2 to 6.5% of the total bond cost.

The reclamation program has been in full progress for the past 5 years. Groundwater restoration has been completed for all wellfields at both Irigaray and Christensen Ranch. Surface decommissioning has commenced at Irigaray and is expected to be completed for both projects by mid-2007 (see attached schedule, Figure 1). The program is far enough along that a third party contractor would not be required to prepare an entire final reclamation project, and would most likely use the plan developed by COGEMA. NRC has required COGEMA to prepare a detailed Decommissioning Plan that will be used by any contractor to conduct the work. For these reasons, the project design cost has been eliminated from the NRC estimate and only 0.5% has been provided for the

WDEQ estimate. This would still provide \$42,868 the WDEQ for a third party engineering review of the NRC Decommissioning Plan.

Contractor Profit & Mobilization

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

For NRC purposes, this category is currently 4%. In NUREG-1569, NRC requires overhead costs for labor, equipment and contractor profit. Hourly rates are already included in this estimate for labor and equipment, and these are third party estimates that already include overhead. Therefore we are recommending a 1% reduction to 3% to cover contractor profit and mobilization/demobilization. As the ISL reclamation is not an equipment intensive type of reclamation, mobilization/demobilization costs should be minimal.

Pre-construction Investigation

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

No cost is included for NRC in this WDEQ required category. NRC required COGEMA to conduct a detailed site-decommissioning plan, and a part of this plan was a site characterization. No areas of potential hazardous conditions were identified. We believe that this study qualifies as a pre-construction investigation.

Project Management

This category includes the costs for an independent firm to manage the final reclamation project. It includes complete oversight of all demolition, construction and reclamation activities. Examples would include supervision of groundwater restoration, wellfield piping and structures removal, plant buildings and equipment demolition, soil sampling, byproduct waste shipments, etc. References place this cost at 3% to 4%. WDEQ typically uses 3%. However, WDEQ has in the past required a 4% project management cost for COGEMA due to the more technical aspects of groundwater restoration. Because active groundwater restoration processes have been completed at both Irigaray and Christensen Ranch, it is requested that WDEQ only require the 3%.

NRC's project management in NUREG-1569 includes costs associated with project management; engineering design, review and change; mobilization; power during reclamation; quality control; radiological safety; and any other costs not included in other estimation categories. Contractor mobilization is included as separate miscellaneous cost items, above, and the project design is completed. Furthermore, COGEMA already includes line items in the bond for the utilities during reclamation and radiological safety (gamma surveys and soil analysis, byproduct load surveys). The 2% for NRC project management includes 1% for a project RSO or equivalent (\$85,736), and another 1% for general project management (\$85,736), for the remaining project life (1.5 years).

On-site Monitoring

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

NRC license termination will occur at the end of the project, therefore no costs will be necessary after final reclamation is completed. WDEQ requires the 0.5% to cover any miscellaneous monitoring they may incur during the 5-year reclamation/revegetation evaluation period prior to bond release.

Site Security & Liability Assurance

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

Because NRC does not have the same 5-year bonding period after reclamation is completed; no additional cost is provided in this category.

Longterm Administration

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

Again, because NRC will terminate the license after reclamation completion, there is no final bond release period of 5 years. There is no need for a percentage in this category.

Contingency

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

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

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

- Elution cost is based on actual spending of \$2,850 per average elution (includes labor and chemicals). $\$2,850 \text{ divided by } 28,800 \text{ Kgal/elution} = \$0.099/\text{Kgal}$.
- Sulfuric Acid, Hydrochloric acid, and sodium sulfide are no longer used in the restoration process. Updated membranes for the RO units no longer need low pH feedwater, thus eliminating the need for acid addition prior to reverse osmosis. Hydrogen sulfide gas is now used instead of sodium sulfide.
- A unit rate of \$0.863/Kgal is used for hydrogen sulfide gas. This is based on actual spending at Christensen Mine Units 2 and 4 from October 2002 through July 2003. The cost includes purchase of the chemical (\$0.41/lb), an addition rate of 100 ppm, a flow rate of 100 gpm, one pore volume of use, plus a \$75/day trailer rental fee. This cost has been added as a separate line item below the Reverse Osmosis wellfield section, as only 1 PV of hydrogen sulfide per mine unit is assumed.
- The unit rate of \$0.0181/Kgal for caustic soda (reverse osmosis phase) is based on actual spending from August 2002 through July 2003.
- Restoration Plant repair and maintenance (GWS and RO) is based on actual spending from August 2002 through July 2003. These costs include purchase of piping, fittings, pump maintenance, filters and miscellaneous supplies.

Supplies	= \$0.0358 per Kgal
Outside Services	<u>= \$0.0021 per Kgal</u>
	= \$0.0379 per Kgal
- Restoration wellfield repair and maintenance (GWS and RO) is based on actual spending from August 2002 through July 2003. Costs include purchase of submersible pumps, piping, fittings, filters and miscellaneous supplies.

Supplies	= \$0.1185 per Kgal
Outside Services	<u>= \$0.1709 per Kgal</u>
	= \$0.2894 per Kgal
- Sampling and Analysis for Groundwater Sweep is based on taking a round of samples from each baseline well after the final GWS pore volume and analyzing the samples for a full suite Guideline 8 (26 parameters). This amount is then converted to a cost per Kgal for the pore volume:

Irigaray Units 6-9:	<u>$(27 \text{ baselines} \times \\$150^* = \\$4,050)$</u>	= \$0.1025/Kgal
	$1 \text{ PV GWS} = 39,525 \text{ Kgal}$	
Christensen Unit 2:	<u>$(24 \text{ baselines} \times \\$150^* = \\$3,600)$</u>	= \$0.131/Kgal
	$1 \text{ PV GWS} = 27,414 \text{ Kgal}$	

*\$150/Guideline 8 analysis is actual 2004 cost from Intermountain Laboratories, Sheridan, Wyoming.
- Sampling and Analysis for the Reverse Osmosis phase is based on one round of Guideline 8 analyses for each baseline well at the end of RO; plus a recovery composite analyzed for Guideline 8 in each mine unit (or area for Irigaray) for each PV; and miscellaneous samples during the process. For Christensen miscellaneous, assume 10 wells in each wellfield module of each mine unit are analyzed for 4 parameters, each PV. The cost of analysis is \$10 each parameter, or \$40. Christensen Unit 2 has 4 modules, Unit 3: 5 modules, Unit 4: 3 modules, Unit 5: 5 modules; and Unit 6: 6 modules. For Irigaray, assume 15 wells per Units 1-5, and 15

wells for Units 6-9, each PV, for the 4 parameters. These costs are divided by the total Kgal in 5 PV of RO treatment:

Irigaray Units 6-9: 27 baselines X \$150 = \$4,050
 Rec. Comp.: 5 PV X 1 wellfield area (Units 6-9) X \$150 = \$750
 Misc.: 5 PV X 15 wells X (4 analytes, \$10 each) = \$3,000
 Total = \$7,800/(197,624 Kgal/5 PV) = \$0.0395/Kgal

Christensen Unit 2: 24 baselines X \$150 = \$3,600
 Rec. Comp.: 5 PV X 1 mine unit X \$150 = \$750
 Misc.: 5 PV X (10 wells/module*4 modules)*(4 analytes*\$10 each) = \$8,000
 Total = \$12,350/(137,085 Kgal/5 PV) = \$0.091/Kgal

- Utility costs listed are for electricity, heating and telephone for the offices during the restoration operations. The cost per month has been revised since last year. It was previously assumed that the main offices would continue operating if the work were contracted. In reality, to save costs during contracting, one of the on-site trailers would be used to office project management personnel during this time period. Powder River Energy Corp. (July 2003) has provided an average cost of \$65/month for a typical full electric house trailer (heating and lights), thus eliminating the need for propane. As power costs have not changed in 2005, this cost is still used in the bond. Current telephone costs at Irigaray and Christensen combined are approximately \$500/month (average 2003 actual spending to-date). Thus the new monthly unit rate of \$565 is more appropriate than the \$1000/month estimate in the previous bond estimate.

Waste Disposal Well Cost Assumptions:

No changes from the 2003 bond assumptions for unit costs or technical plans have been made to the wastewater management section of the 2005 bond estimate.

Operating assumptions for the waste disposal well are based on the restoration plan and historical experience (such as the brine concentration factor). Cost assumptions follow the same rationale as for restoration costs (unit rates are based on actual average 2002-2003 site spending for the power, chemicals, repair and maintenance).

- Electrical power costs are based on the average Kwh/Hp factor of 0.83, which is the actual ratio for Christensen (includes all site pumps).
- RO Antiscalent cost (RO processed feed water for disposal well):

Purchase of 250 gallon tote (delivered)	= \$4,758
(Chemico Int'l RO 9)	= \$19.032/gallon
Addition target rate of 10 ppm	
<u>10 gallons</u>	<u>X \$19.032</u>
1,000 Kgal H2O	gallon
	= \$0.1903/Kgal
- Disposal Well Antiscalent cost:

440 gallons delivered	= \$5,220.60
(Champion Tech Gypton t-67)	= \$11.865/gallon
Addition target rate of 20 ppm	
<u>20 gallons</u>	<u>X \$11.865</u>
1,000 Kgal H2O	gallon
	= \$0.2373/Kgal
- Sulfuric Acid (used prior to RO to avoid precipitation). Actual spending in 2003 was \$22,243, divided by 41,662 Kgal = \$0.5339/Kgal.
- Corrosion inhibitor: no longer required.
- Algaecide: 2003 purchases = \$4,634; 2003 Kgal = 41,662; = \$0.111/Kgal

- Repair and maintenance is based on actual spending from August 2002 through July 2003 for bag filters, pump parts, oil and lube, fittings. The unit rate for this is equal to \$0.0116/Kgal as RO feed. Converted to Kgal of disposal well injection is:

$$\frac{\$0.0116 \text{ X } 1000 \text{ Kgal RO feed}}{\text{Kgal RO feed } 150 \text{ Kgal disposal well feed}} = \$0.0773/\text{Kgal}$$

Stabilization Monitoring:

Three sample sets will be taken during the 9-month stabilization-monitoring period. The first set is taken three months after the beginning of stabilization monitoring. The next set is taken after six months and the last after 9 months. The sampling cost per set is based on rental of a 30 Kw, 480 volt, 3-phase portable generator for a one week period at a rate of \$280/week (Industrial Engine Service, Casper WY, quote of August 2003). As each well is pumped for an hour period, and the generator can service 4 wells at a time, then it is possible to sample a maximum of 32 wells per day during 8 hours (assuming a 10-hour workday). A one-week rental is more than sufficient to sample all baseline wells in a mine unit, so this number is very conservative. The analytical cost is a calculation based on sampling all baseline wells in each wellfield with an analysis cost of \$150/well for a DEQ Guideline 8 analysis for uranium mines (August 19, 2003 quote from Intermountain Laboratories). For this calculation, a new line has been added to the technical assumptions to show the number of baseline wells per area. Labor is included at the end of Worksheet 1. Utilities (electricity, telephone) are included for maintaining the office open during stabilization monitoring. These costs were previously described under the groundwater sweep explanations, above.

Labor:

Labor costs for 1.6 years of restoration operations are included as per the 2004 bond estimate. In the 2003 bond estimate, 2.6 years of labor were included. The reduction in labor by one year was based on the schedule of restoration which shows that active groundwater restoration has been finished at all Irigaray wellfields, and all Christensen wellfields except Mine Unit 6 which would be completed by the end of 2004. Labor rates are based on typical 2003 Manpower, Inc. costs for skilled labor. The operations crew consists of 1 supervisor, 4 operators, and 2 maintenance personnel. Operating costs for 2 vehicles are also included in this category. Unit rates for each worker category are shown in the table. A higher labor rate is used for groundwater restoration than is used in the remainder of the surface reclamation portion of the bond. This is because more skilled labor is required for operating the restoration equipment. Management labor is included in the Miscellaneous category under Project Management in Table 1.

Restoration Capital Requirements:

The only capital requirement listed is the plugging and abandonment of the two wastewater disposal wells. An actual cost estimate for the plugging and abandonment of the two Class 1 disposal wells at Christensen was obtained in December 2003 from Petrotek Engineers. The estimate was prepared using December 2003 quotes from Wyoming vendors. The new estimate for plugging and abandonment of Christensen DW No. 1 and Christensen 18-3 is \$73,950 and \$66,250 respectively. This is a total of \$140,200 and has been incorporated into Worksheet 1. A copy of Petrotek's bid is attached.

Credit for Work Completed:

At the end of Worksheet 1 where items are totaled, lines have been inserted to show which groundwater restoration items have been completed and for which credit is requested. To date, the WDEQ has already approved the credit for groundwater sweep

in all wellfields. In the 2004 submittal, COGEMA asked the WDEQ to additionally approve credit for reverse osmosis and stabilization monitoring for the Irigaray wellfields. The final Irigaray restoration report was submitted to the WDEQ at the end of July 2004. Approval of the restoration is expected in October 2005.

Due to NRC's unwillingness to recognize the WDEQ's approval of the groundwater sweep credit, or to approve any restoration work completed until the final project report is approved, we are showing an NRC line which includes all costs for the groundwater restoration with no credit provided.

Worksheet 2 – Plant Equipment Removal and Disposal

This worksheet calculates the costs to decontaminate, dismantle and remove, transport and dispose of plant process equipment. Explanations for the various unit rates or factors used in the 2003 bond calculations are described below. No changes to Worksheet 2 have been made for this 2005 bond submittal.

Decontamination Cost

The decontamination unit rate used in 2002 was \$550/load. However, checking local rental rates for equipment, the 2003 price for labor and hydrochloric acid, the decontamination unit rate has been revised downwards to \$435/load.

Assumptions:

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

Labor:

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

Equipment Rental:

- 2 3500 psi pressure washers @ \$6/hour x 2 = \$12/hour* (\$60/day, 10 hr/day)
- 1 185 cfm air compressor @ \$12.5/hour* (\$125/day, 10 hr/day)
with sandblast pot, hood,
wand, hose = \$24.5/hour

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

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

Materials:

- Sand: 75 cubic feet @ \$1/foot** = \$75
 - 10% HCl, 440 gallons @ \$0.155/gal*** = \$68
- \$143, say \$145

TOTAL = \$160 + \$130 + \$145 = \$435/load

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

*** 10% HCl = 506 lbs/yd³, 202 gallons/yd³, \$124/ton = \$0.155/gal (Brenntag West, Inc. average 2003 prices)

Dismantling and Loading Cost

Using 2003 quotes, the unit rate for dismantling and loading is estimated at \$650/load:

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

Estimate: 4 hours @ \$125/hour = \$500

Equipment Rental: 1 front-end loader with operator @ \$75/hour (CAT 988C, June 2003 quote from Rapid Construction)

Productivity: 1 load = 20 yd³, 10 yd³/hr

Estimate: 2 hours @ \$75/hour = \$150

TOTAL = \$650/load

Oversize Charges

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

Transportation & Disposal

- In January 2004, COGEMA hired McIntosh Contractors to transport byproduct material (pond sludge) from the Irigaray site to the Shirley Basin tailings impoundment for final disposal. The trucking firm charges \$65/hour and each round trip takes 10 hours. The round trip includes the time to drive from Casper to Irigaray, load and transport the material to Shirley Basin, unload, and return to Casper. This equates to \$650/load and is incorporated into this bond estimate.
- COGEMA also is using Brubaker Backhoe Services (BBS) to haul non-contaminated trash and debris to the Edgerton, Wyoming landfill. The 2004 charge for each load is \$160. This cost has also been incorporated into this 2004 bond estimate.
- Landfill costs of \$12.00/cubic yard are the actual rates charged by the Edgerton, Wyoming industrial landfill (July 2003 rate sheet).
- COGEMA Mining has a byproduct material disposal agreement with Pathfinder Mines Corporation's Shirley Basin tailings facility (expires December 31,2006). The disposal fee per cubic foot for piping, process equipment, demolition waste is \$11/cubic foot.

Worksheet 3 – Plant Building(s) Demolition and Disposal

This spreadsheet provides the costs for demolition and disposal of all buildings at Irigaray and Christensen, including concrete decontamination, demolition and disposal. Also included in the spreadsheet are costs for the removal and disposal of contaminated soils under the process buildings, and at the NPDES surface discharge points (one each site). Transportation charges for byproduct (\$650/load) and non-contaminated trash (\$160/load) were incorporated for the 2004 estimate (see Worksheet 2). No changes to Worksheet 3 have been made in 2005.

Structural Character

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

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

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

Concrete Decontamination, Demolition & Disposal

- The decontamination costs of \$0.134/square foot is based on the decontamination estimate of \$435/load discussed above for Worksheet 2. One load = 540 cubic feet; assuming 1 cubic foot = 6 square feet (surface), then \$435/load divided by 3240 square feet per load = \$0.134 per square foot.
- The concrete demolition rate of \$3.05/square foot is taken directly from Appendix K of LQD's Guideline No. 12.
- The on-site disposal cost has been calculated as \$0.23/ft³, or \$6.25/yd³. This is based on the following:
 - 1 988C loader with operator @ \$75/hour (Rapid Construction quote, 2003)
 - 1 dump truck with operator @ \$50/hour (Rapid, 2003)

\$125/hour

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

Soil Removal & Disposal

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

Radiation Survey

The cost for radiation surveys is detailed below:

Soil sampling and analysis cost:

- \$82.50/soil sample for digestion, U and Ra-226 analysis (Energy Lab, Casper 09-25-03 quote)
- \$3.75/soil sample for labor (\$15/hr for one laborer, 4 samples collected per hour)
- Total = \$86.25/sample, and an average of 4 samples per acre = \$345/acre

Gamma characterization and verification survey

- \$175/acre (July 2003 quote from ERG, New Mexico) includes GPS survey, grid establishment, verification survey after excavation.

Grand Total = \$520/acre

Worksheet 4 – Pond Reclamation Costs

Worksheet 4 provides all costs for the decommissioning of evaporation ponds located at the Irigaray and Christensen site. No changes have been made to Worksheet 4 for the 2005 estimate.

Unit rates used for this work that have not been identified in detail for other worksheets are provided following:

Pond Sludge

Year 2003 sludge handling costs per load were \$238/load. Using 2003 rates, the sludge handling costs per load are given as \$240/load.:

- Front-end loader with operator @ \$75/hr (10 c.y./hr) for 2 hrs. = \$150 (Rapid, 2003)
 - Labor crew (1 hour) =
 - 1 foreman @ \$20/hr
 - 4 laborers @ \$15/hr
 - 1 truck @ \$10/hr
- = \$90/hr = \$90

TOTAL = \$240/load

Pond Liner

- Labor crew costs per hour for handling the pond liner are taken from the above estimate of \$90/hour.
- The \$11/ft³ for disposal is the current contract price for this type of material at Pathfinder's Shirley Basin tailings impoundment (agreement good through 2006)

Pond Backfill

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

Radiation Survey – See Worksheet 3

Leak Detection System Removal

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

Transportation Costs – See Worksheet 2

Worksheet 5 – Well Abandonment

No changes have been made to Worksheet 5 for the 2005 bond estimate.

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

- Cost of bentonite chips - \$4.50/bag is a quote from Casper Well Products, Casper, Wyoming (August 2003).

- Cost of gravel/cubic yard – two quotes were obtained in August 2003 for sand & gravel to fill the wells for final abandonment. The first was from JTL Group (Casper, WY) for screened, washed pea gravel. The quote was \$16.00/ton, with a 1.5 tons/yard conversion, or \$24.00 per yard. The second quote was from '71 Construction (Casper, WY) for a sand-pea gravel mix, suitable for well abandonment. This cost came in at \$16 per ton with a 1.25 tons/yard conversion, or \$20 per yard. This cost has been used to replace last year's cost of \$17.53 per cubic yard.
- Cost of cement cones/markers - \$4.00 each from Casper Well Products, Wyoming (2003).
- An example of a typical well abandonment calculation for Irigaray is as follows:
Assume: well volume = 27.6 ft³; well depth = 250 ft; casing diameter = 4.5 inches
Materials per well:

Bentonite chips from 250' to 175' (Christensen = 410' to 335')	
Sand/gravel from 175' to 30' (Christensen = 335' to 30')	
Bentonite chips from 30' to 2'	
Cement cone and backfill from 2' to surface	
Materials/well: 15 bags bentonite chips @ \$4.50/bag	= \$67.50
(65 lbs/ft ³ , 11.4 ft ³ /well, 50 lb. bags)	
0.58 c.y. gravel @ \$20/c.y.	= \$11.60
[Well T.D. – (105'–2') x 0.11($\frac{\pi r^2}{144 \text{ in}^2/\text{ft}^2}$)/27]	
Cement cone and marker @ \$4.00 each	= \$ 4.00

Labor: 1 hr./well

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

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

Worksheet 6 – Wellfield Equipment Removal & Disposal

This spreadsheet covers the removal & disposal of all wellfield piping, submersible pumps and tubing, trunklines running from the wellfields to the plant, and manholes along the trunklines. Unit rates not addressed previously are detailed below. No changes to Worksheet 6 have been made for the 2005 estimate.

Wellfield Piping Removal

The 2002 unit rate for wellfield piping removal was \$0.193/ft. This year costs have been updated, such as an increase in the backhoe and chainsaw rental charges, providing a new 2003 unit rate of \$0.202/ft of removal. An example of the calculation is provided as follows:

Open Trenches:

- 300'/well, 446 wells = 133,800 linear feet of pipe
- trenches: 300'/well x 2' deep x 2' wide = 1,200 ft³ = 44 c.y./well
- 44 c.y./well x 446 wells (Christensen Unit 6) = 19,624 c.y.

- 19,624 c.y. @ 50 c.y./hour = 392 hours
- Equipment rental: 2 backhoes @ \$38.5/hour x 196 hours each = \$15,092
(operators included – Brubaker Backhoe) (\$0.113/ft)

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

- Labor: 1 – Foreman @ \$20.00/hr.
4 – Laborers @ \$15.00/hr.
1 – Vehicle @ \$10.00/hr.
\$90.00/hr. x 6 days = \$ 4,320
- Equipment Rental: 2 chainsaws @ \$5.00/hr x 3 days = \$ 30
(chainsaw rental = \$50/day, assume 10 hr day) = (\$0.0325/ft)
(08-15-03 Contractor Equipment rental quote)

Backfill Trenches:

- 19,624 c.y. @ 100 c.y./hr. = 196 hrs.
 - Equipment rental: 2 backhoes @ \$38.50/hr. x 98 hrs each = \$ 7,546
(operators included – Brubaker Backhoe) (\$0.056/ft)
- TOTAL= \$0.202/linear foot

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

Pump Removal

Submersible pumps are set in each production well for mining and restoration. Year 2003 pump removal cost was \$21.44. This year, the pulling unit cost has been increased to a unit rate of \$40/hr based on an August 2003 quote from Alger Construction, thus increasing the unit rate per pump/well to \$22.50. Using Christensen Mine Unit 6 as an example, the details are as follows:

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

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

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

Survey & Decontamination – see Worksheet 2

Tubing Volume Reduction and Loading

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

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

- Chip and load: average O.D. (inches) = 3; chipped volume reduction (ft³/ft) = 0.016; chipped volume = 970 ft³; assume approximately 20,000 feet per day chipped.
- Labor: 1 – Foreman @ \$20.00/hour
2 Laborers @ \$15.00/hour
\$50.00/hour x 3 days (30 hours) = \$1,500
- Equipment: two shredders are owned by COGEMA

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

Surface Piping Removal

Surface piping exists at the Irigaray site. The cost for removing the Irigaray pipe is the same as the wellfield piping removal cost of \$0.202 above, but \$0.056/ft must be removed for the cost of backfilling. The \$0.113/ft. cost for opening trenches was kept,

Worksheet 7

Worksheet 7 provides to costs to replace topsoil in areas where topsoil was stripped and stockpiled, to conduct radiation surveys & soil analysis prior to topsoil placement, then the revegetation of the topsoil or ground surface without topsoil. Unit rates used in the calculations that have not been previously detailed are described below. No changes have been made to Worksheet 7 for the 2005 estimate.

Unit Cost – Grading

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

Wellfield - Spills

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

Transportation of Byproduct Material – See Worksheet 2.

Revegetation

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

Remedial Action

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

Worksheet 8

Worksheet 8 provides all the remaining miscellaneous items that could be involved in the final reclamation. Unit rates are described below. No changes have been made to Worksheet 8 for the 2005 bond estimate.

Fence Removal & Disposal

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

Powerline Removal & Disposal, Powerpole Removal & Disposal

Distribution lines and power poles are owned by Powder River Energy Corp. (PREC) and will be removed upon request at no charge. Transmission lines and power poles

which go from the main metering points to various electrical substations will also be removed by PREC at no cost for their salvage value.

Transformer Removal & Disposal

The costs for removal and disposal of transformers are based on a 1994 issue of WDEQ-LQD's Guideline No. 12, inflated by 23.8% to 2003 costs. The following unit rates are used:

- Large transformers: \$2,525
- Small transformers: \$619
- Booster pump assemblies: \$248
- Guardrail removal: \$6.44/ft

Booster Pump Assembly Removal & Disposal

Removal of the booster pump assemblies along the trunklines at Christensen is based on labor, and the assemblies will be non-contaminated. An internal estimate of \$200/assembly was used in 1994, and has been inflated by 23.8% to 2003 costs. The 2003 unit cost is \$248 per assembly.

Culvert Removal & Disposal

The cost of \$3.48/foot of culvert is taken from the 2001 edition of WDEQ-LQD Guideline 12, Appendix J.

Guardrail Removal

The costs for guardrail removal of \$6.44/ft is based on a 1994 issue of WDEQ-LQD's Guideline No. 12, inflated by 23.8% to 2003 costs.

Low Water Stream Crossing

In 1994, this cost was estimated as the same as the construction cost (\$7,000). A 2003 cost has been estimated as \$4,500 per crossing. The cost is based on 3 days of rental of a trackhoe and operator at \$100/hr (10 hour days), plus 3 days of rental of a haul/dump truck and operator at \$50/hr. The trackhoe will simply dig up the sand, rocks and Tri-lock block and the haul/dump truck will take the materials to the on-site landfill (pond excavations at Irigaray) for disposal. The hourly rates are a September 25, 2003 quote obtained from Alger Construction (Kaycee, WY) for the trackhoe with operator rental and actual rates paid to L&L Oilfield Services (Linch, WY) in August 2003 for the rental of a haul/dump truck with operator.

Utilities Cost

This cost has been revised to show the cost of utilities for use of one of the on-site office trailers instead of operating the power system for the offices. An average cost of \$65/month for a full electric house trailer was obtained from Powder River Energy Corp. (July 2003) and is used for this estimate.

**2005 SURETY ESTIMATE
WORKSHEETS**

COGEMA Mining, Inc.
SUMMARY OF RECLAMATION/RESTORATION BOND ESTIMATE, 2005 - 2006
WDEQ PERMIT NO. 478/USNRC LICENSE SUA-1341
TABLE 1

	WDEQ Estimate August 2003\$	NRC Estimate August 2003\$
I GROUNDWATER RESTORATION - Worksheet 1:	\$3,124,253	\$3,938,547
II DECOMMISSIONING AND SURFACE RECLAMATION:		
A. Process Plant(s) Equipment Removal and Disposal Worksheet 2	\$212,081	\$212,081
B. Plant Building(s) Demolition and Disposal Worksheet 3	\$734,007	\$734,007
C. Process Pond Sludge and Liner Handling Worksheet 4	\$749,999	\$749,999
D. Well Abandonment Worksheet 5	\$744,573	\$744,573
E. Wellfield Equipment Removal and Disposal Worksheet 6	\$866,581	\$866,581
F. Topsoil Replacement and Revegation Worksheet 7	\$732,131	\$732,131
G. Miscellaneous Reclamation Activities Worksheet 8	\$121,836	\$121,836
Sub Total - Decommissioning and Surface Reclamation	\$4,161,208	\$4,161,208
TOTAL RESTORATION AND RECLAMATION	\$7,285,462	\$8,099,755
5.9% Adjustment for inflation (CPI August 2003 of 184.6 through July 2005 CPI of 195.4)	\$426,235	\$473,875
SUBTOTAL	\$7,711,697	\$8,573,630
Miscellaneous Costs Associated with Third Party Contractors		
	WDEQ	NRC
Project Design	0.5%	0%
Contractor Profit & Mobilization	8%	3%
Pre-construction Investigation	1%	
Project Management	3%	2%
On-site monitoring	0.5%	
Site Security & Liability Assurance	1%	0.0%
Longterm Administration	2%	
Subtotal miscellaneous additions to bond	16.0%	5.0%
		\$1,233,871
SUBTOTAL		\$9,002,312
	WDEQ	NRC
Contingency	4%	15%
		\$357,823
GRAND TOTAL RESTORATION AND RECLAMATION	\$9,303,391	\$10,352,659

COGEMA Mining, Inc.
2005 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
Wellfield Area (Ft ²)	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 (Ft ²)	522720	784080	890000	798944	550193	1346004	2058344		
Avg Completed Thickness (Ft)	15.0	18.0	11.0	10.0	12.7	19.9	21.8		
Affected Volume:									
Factor For Vertical Flare	20%	20%	20%	20%	20%	20%	20%		
Factor For Horizontal Flare	20%	20%	20%	20%	20%	20%	20%		
Total Volume (Ft ³)	11290752	20323353.6	14097600	11504793.6	10061929.6	38593685.7	64615534.85		
Porosity	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%		
Gallons Per Cubic Foot	7.48	7.48	7.48	7.48	7.48	7.48	7.48		
Gallons Per Pore Volume	21958254.49	39524858.1	27417012.5	22374522.6	19568440.7	75057000	125664292.2		
Number of Wells in Unit(s)									
Production Wells	150	274	153	185	105	217	202	155	
Injection Wells	310	330	173	277	128	277	244	170	
Monitor Wells	150	165	50	46	44	70	65	66	
Baseline Water Quality wells (prod or in)	19	27	24	19	15	25	47		
Average Well Spacing (Ft)	35	35	85	70	85	85	100	100	
Average Well Depth (Ft)	250	250	345	300	430	450	520	550	

I GROUNDWATER SWEEP

A PLANT & OFFICE

Operating Assumptions:									
Flowrate (gpm)	200	200	200	200	200	200	200		
PV's Required	4	1	1	1	1	1	1		
Total Gallons For Treatment	67833017.96	39524858.1	27417012.5	22374522.6	19568440.7	75057000	125664292.2		
Total KGals for Treatment	87833	39525	27417	22375	19568	75057	125664		
Cost Assumptions:	127358								
Power									
Avg Connected Hp	51.30	51.30	40.00	40.00	40.00	40.00	40.00		
Kwh's/Hp	1.00	1.00	0.83	0.83	0.83	0.83	0.83		
\$/Kwh	\$0.051	\$0.051	\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute	200	200	200	200	200	200	100		
Gallons Per Hour	12000	12000	12000	12000	12000	12000	6000		
Cost Per Hour	2.62	2.62	1.21	1.21	1.21	1.21	1.21		
Cost Per Gallon	0.00022	0.00022	0.00010	0.00010	0.00010	0.00010	0.00020		
Cost Per KGal (\$)	\$0.218	\$0.218	\$0.101	\$0.101	\$0.101	\$0.101	\$0.202		
Chemicals									
Antiscalant (\$/KGals)	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947		
Elution (\$/KGals)	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099		
Repair & Maintenance (\$/KGals)	\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379		
Analysis (\$/KGals)	\$0.032	\$0.102	\$0.131	\$0.127	\$0.115	\$0.050	\$0.056		
Total Cost Per KGal	\$0.482	\$0.552	\$0.464	\$0.460	\$0.448	\$0.383	\$0.490		
Total Treatment Cost	\$42,342	\$21,821	\$12,718	\$10,291	\$8,758	\$28,713	\$61,534		
Utilities									
Power (\$/Month)	\$65	\$65	\$65	\$65	\$65	\$65	\$65		
Telephone (\$/Month)	\$500	\$500	\$500	\$500	\$500	\$500	\$500		
Time For Treatment									
Minutes For Treatment	439165	197624	137085	111873	97842	375285	628321		
Hours For Treatment	7319	3294	2285	1865	1631	6255	10472		
Days For Treatment	305	137	95	78	66	261	436		
Average Days Per Month	30.4	30.4	30.4	30.4	30.4	30.4	30.4		
Months For Treatment	10.0	4.5	3.1	2.6	2.2	8.6	14.3		
Utilities Cost (\$)	\$5,665	\$2,549	\$1,768	\$1,443	\$1,262	\$4,841	\$8,105		
TOTAL PLANT & OFFICE COST	\$48,007	\$24,371	\$14,487	\$11,734	\$10,020	\$33,554	\$69,639	\$0	\$0

COGEMA Mining, Inc.
2005 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 1

	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 RESTORATION									
I GROUNDWATER SWEEP (Continued)									
B. WELLFIELD									
Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)	3.86	3.86	20	20	20	20	20		
Avg Hp/Pump	1.50	1.50	3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required	51.8	51.8	10.0	10.0	10.0	10.0	10.0		
Avg Connected Hp	77.8	77.8	25	25	25	25	25		
Kwh's/Hp	1.000	1.000	0.830	0.830	0.830	0.830	0.830		
\$/Kwh	\$0.051	\$0.051	\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute	200	200	200	200	200	200	200		
Gallons Per Hour	12000	12000	12000	12000	12000	12000	12000		
Cost Per Hour (\$)	\$3.97	\$3.97	\$0.76	\$0.76	\$0.76	\$0.76	\$0.76		
Cost Per Gallon (\$)	\$0.0003	\$0.0003	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001		
Cost Per KGal (\$)	0.331	0.331	0.063	0.063	0.063	0.063	0.063		
Repair & Maintenance (\$/KGals)	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289		
Total Cost Per KGal	\$0.620	\$0.620	\$0.353	\$0.353	\$0.353	\$0.353	\$0.353		
TOTAL WELLFIELD COST	\$54,426	\$24,492	\$9,665	\$7,887	\$6,898	\$26,459	\$44,298	\$0	\$0
TOTAL GROUND WATER SWEEP COST	\$102,433	\$48,862	\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$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	375285000	628321460.9		
Total KGals for Treatment	65875	197624	137085	111873	97842	375285	628321		
Feed to RO (gpm)	300	300	500	500	500	500	500		
Permeate Flow (gpm)	240	240	375	375	375	375	375		
Brine Flow (gpm)	60	60	125	125	125	125	125		
Average RO Recovery	80.0%	80.0%	75.0%	75.0%	75.0%	75.0%	75.0%		
Cost Assumptions:									
Power									
Avg Connected Hp	120.00	120.00	560.00	560.00	560.00	560.00	560.00		
Kwh's/Hp	1.000	1.000	0.830	0.830	0.830	0.830	0.830		
\$/Kwh	\$0.051	\$0.051	\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute	300	300	500	500	500	500	500		
Gallons Per Hour	18000	18000	30000	30000	30000	30000	30000		
Cost Per Hour (\$)	\$6.12	\$6.12	\$16.97	\$16.97	\$16.97	\$16.97	\$16.97		
Cost Per Gallon (\$)	\$0.00034	\$0.00034	\$0.00057	\$0.00057	\$0.00057	\$0.00057	\$0.00057		
Cost Per KGal (\$)	\$0.340	\$0.340	\$0.566	\$0.566	\$0.566	\$0.566	\$0.566		
Chemicals									
Caustic Soda (\$/KGals)	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018		
Antiscalant (\$/KGals)	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947		
Elution (\$/KGals)	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099		
Repair & Maintenance (\$/KGals)	\$0.038	\$0.038	\$0.038	\$0.038	\$0.038	\$0.038	\$0.038		
Sampling & Analysis (\$/KGals)	\$0.077	\$0.039	\$0.090	\$0.122	\$0.092	\$0.039	\$0.032		
Total Cost Per KGal (\$)	\$0.667	\$0.629	\$0.905	\$0.937	\$0.907	\$0.854	\$0.847		
Total Pumping Cost (\$)	\$43,940	\$124,319	\$124,089	\$104,788	\$88,752	\$320,397	\$531,949		
Utilities									
Power (\$/Month)	\$65	\$65	\$65	\$65	\$65	\$65	\$65		
Propane (\$/Month)	\$500	\$500	\$500	\$500	\$500	\$500	\$500		
Time For Treatment									
Minutes For Treatment	219583	658748	274170	223745	195684	750570	1256643		
Hours For Treatment	3660	10979	4570	3729	3261	12510	20944		
Days For Treatment	152	457	190	155	136	521	873		
Average Days Per Month	30.4	30.4	30.4	30.4	30.4	30.4	30.4		
Months For Treatment	5.0	15.0	6.3	5.1	4.5	17.1	28.7		
Utilities Cost (\$)	\$2,825	\$8,475	\$3,560	\$2,862	\$2,543	\$9,662	\$16,216		
TOTAL PLANT & OFFICE COST	\$46,765	\$132,794	\$127,648	\$107,670	\$91,294	\$330,059	\$548,165	\$0	\$0

COGEMA Mining, Inc.
 2005 Restoration and Reclamation Costs
 Wyoming Operations
 WORKSHEET 1

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
II REVERSE OSMOSIS (Continued)									
B WELLFIELD									
Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)	3.86	3.86	20.00	20.00	20.00	20.00	20.00		
Avg Hp/Pump	1.50	1.50	3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required	77.7	77.7	25.0	25.0	25.0	25.0	25.0		
Avg Connected Hp	116.6	116.6	75.0	75.0	75.0	75.0	75.0		
Kwh's/Hp	1.000	1.000	0.830	0.830	0.830	0.830	0.830		
\$/Kwh	\$0.051	\$0.051	\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute	300	300	500	500	500	500	500		
Gallons Per Hour	18000	18000	30000	30000	30000	30000	30000		
Cost Per Hour (\$)	\$5.95	\$5.95	\$2.27	\$2.27	\$2.27	\$2.27	\$2.27		
Cost Per Gallon (\$)	\$0.0003	\$0.0003	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001		
Cost Per KGal (\$)	\$0.330	\$0.330	\$0.076	\$0.076	\$0.076	\$0.076	\$0.076		
Repair & Maintenance (\$/KGals)	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289		
Total Cost Per KGal	\$0.619	\$0.619	\$0.365	\$0.365	\$0.365	\$0.365	\$0.365		
TOTAL WELLFIELD COST	\$40,797	\$122,391	\$50,000	\$40,804	\$35,687	\$136,881	\$229,172	\$0	\$0
Add for 1 PV of Hydrogen Sulfide gas reductant \$0.863 per Kgal	\$18,950	\$34,110	\$23,661	\$19,309	\$16,888	\$64,774	\$108,448		
TOTAL REVERSE OSMOSIS COST	\$106,512	\$289,295	\$201,309	\$167,783	\$143,869	\$531,714	\$885,785	\$0	\$0

COGEMA Mining, Inc.
 2005 Restoration and Reclamation Costs
 Wyoming Operations
 WORKSHEET 1

	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
GROUNDWATER RESTORATION									
III WASTE DISPOSAL WELL									
Operating Assumptions:									
Annual Evaporation Capacity (Gals)			1,917,612	1,917,612	1,917,612	1,917,612	1,917,612		
Avg. Monthly Evap. Capacity (Gals)			159,801	159,801	159,801	159,801	159,801		
Total Disposal Requirement									
RO Brine Total Gallons			34,271,266	27,968,153	24,460,551	93,821,250	157,080,365		
RO Brine Total KGallons			34,271	27,968	24,461	93,821	157,080		
Brine Concentration Factor			60%	60%	60%	60%	60%		
Total Concentrated Brine (Gals)			20,562,759	16,780,892	14,676,330	56,292,750	94,248,219		
Months of RO Operation			6.3	5.1	4.5	17.1	28.7		
Average Monthly Reqmt' (Gallons)			3,263,930	3,290,371	3,261,407	3,291,974	3,283,910		
Monthly Balance for DDW (Gals)			3,104,129	3,130,570	3,101,606	3,132,173	3,124,109		
Total WDW Disposal (Gallons)			19,556,013	15,965,907	13,957,226	53,560,153	89,661,930		
Total WDW Disposal (KGals)			19,556	15,966	13,957	53,560	89,662		
Cost Assumptions:									
Power									
Avg Connected Hp			100.00	100.00	100.00	100.00	100.00		
WDW Avg Connected Hp			180.00	180.00	180.00	180.00	180.00		
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830		
\$/Kwh			\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute			150	150	150	150	150		
Gallons Per Hour			9000	9000	9000	9000	9000		
Cost Per Hour (\$)			\$8.48	\$8.48	\$8.48	\$8.48	\$8.48		
Cost Per Gallon (\$)			\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009		
Cost Per KGal (\$)			\$0.943	\$0.943	\$0.943	\$0.943	\$0.943		
Chemicals (\$/Kgals)									
RO Antiscalant (\$/Kgals)			\$0.190	\$0.190	\$0.190	\$0.190	\$0.190		
WDW Antiscalant (\$/Kgals)			\$0.237	\$0.237	\$0.237	\$0.237	\$0.237		
Sulfuric Acid (\$/Kgals)			\$0.534	\$0.534	\$0.534	\$0.534	\$0.534		
Corrosion Inhibitor			\$0.000	\$0.000	\$0.000	\$0.000	\$0.000		
Algacide			\$0.111	\$0.111	\$0.111	\$0.111	\$0.111		
Repair & Maint (\$/Kgals)			\$0.077	\$0.077	\$0.077	\$0.077	\$0.077		
Total Cost Per KGal			\$2.092	\$2.092	\$2.092	\$2.092	\$2.092		
TOTAL WASTE DISPOSAL WELL COST			\$40,902	\$33,393	\$29,192	\$112,022	\$187,529	\$0	\$0
IV STABILIZATION MONITORING									
Operating Assumptions:									
Time of Stabilization (mos)	9	9	9	9	9	9	9		
Frequency of Analysis (mos)	3	3	3	3	3	3	3		
Total Sets of Analysis	3	3	3	3	3	3	3		
Cost Assumptions:									
Generator Rental per sample set	\$280	\$280	\$280	\$280	\$280	\$280	\$280		
Analytical costs per set	\$2,850	\$4,050	\$3,600	\$2,850	\$2,250	\$3,750	\$7,050		
Total Sampling & Analysis Cost (\$)	\$9,390	\$12,990	\$11,640	\$9,390	\$7,590	\$12,090	\$21,990		
Utilities (Power + Telephone per month)	\$565	\$565	\$565	\$565	\$565	\$565	\$565		
Total Utilities Cost (\$)	\$5,085	\$5,085	\$5,085	\$5,085	\$5,085	\$5,085	\$5,085		
TOTAL STABILIZATION COST	\$14,475	\$18,075	\$16,725	\$14,475	\$12,675	\$17,175	\$27,075	\$0	\$0

COGEMA Mining, Inc.
 2005 Restoration and Reclamation Costs
 Wyoming Operations
 WORKSHEET 1

GROUNDWATER RESTORATION	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
	V LABOR (Irigaray and Christensen Combined)								
Cost Assumptions	Cost/Hour	Hours/Year	Cost						
Crew:									
1 Supervisor	\$25.00	2080	\$52,000						
4 Operators	\$20.00	2080	\$166,400						
2 Maintenance	\$20.00	2080	\$83,200						
2 Vehicles	\$12.00	2080	\$49,920						
Cost per Year			\$351,520						
Time Required - Years (See Figure 1)		1.6							
TOTAL RESTORATION LABOR COST	\$562,432								

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) - new		\$0
II Plug and Abandon CR DW-1		\$73,950
III Plug and Abandon CR 18-3		\$66,250
IV 500 GPM Reverse Osmosis Unit		\$0
Total	\$0	\$140,200

SUMMARY	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
	I GROUNDWATER SWEEP	\$102,433	\$48,862	\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$0	
II REVERSE OSMOSIS	\$106,512	\$289,295	\$201,309	\$167,783	\$143,869	\$531,714	\$885,785	\$0		
III WASTE DISPOSAL WELL	\$0	\$0	\$40,902	\$33,393	\$29,192	\$112,022	\$187,529	\$0		
IV STABILIZATION	\$14,475	\$18,075	\$16,725	\$14,475	\$12,675	\$17,175	\$27,075	\$0		
SUB TOTAL	\$223,419	\$356,232	\$283,088	\$235,273	\$202,654	\$720,923	\$1,214,327	\$0		\$3,235,915
V LABOR										\$562,432
VI CAPITAL										\$140,200
TOTAL GROUNDWATER RESTORATION COST										\$3,938,547
Credit for Completion of Groundwater Sweep (WDEI)	\$102,433	\$48,862	\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$0		\$385,937
Credit for Completion of Reverse Osmosis (WDEQ)	\$106,512	\$289,295								\$395,807
Credit Completion of Stabilization Monitoring (WDEI)	\$14,475	\$18,075								\$32,550
Credit Subtotal	\$223,419	\$356,232	\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$0	\$0	\$814,293
GRAND TOTAL WDEQ	\$0	\$0	\$258,936	\$215,651	\$185,735	\$660,910	\$1,100,389	\$0	\$0	\$3,124,253
GRAND TOTAL NRC (no credit)	\$223,419	\$356,232	\$283,088	\$235,273	\$202,654	\$720,923	\$1,214,327	\$0	\$0	\$3,938,547

COGEMA Mining, Inc.
 2005 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 (Yds ³)	40	200	180	110	40	40		91	197	42	55	
Quantity Per Truck Load (Yds ³)	20	20	20	20	20	20		20	20	20	20	
Number of Truck Loads	2.0	10.0	9.0	5.5	2.0	2.0		4.55	9.9	2.1	2.8	
I Decontamination Cost												
Decontamination Cost (\$/Load)	\$435	\$435	\$435	\$435	\$435	\$435		\$435	\$435	\$435	\$435	
Percent Requiring Decontamination	20.0%	100.0%	100.0%	0.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	
Total Cost	\$174	\$4,350	\$3,915	\$0	\$870	\$870	\$10,179	\$1,979	\$0	\$914	\$1,196	\$4,089
II Dismantle and Loading Cost												
Cost Per Truck Load (\$)	\$650	\$650	\$650	\$650	\$650	\$650		\$650	\$650	\$650	\$650	
Total Cost	\$1,300	\$6,500	\$5,850	\$3,575	\$1,300	\$1,300	\$19,825	\$2,958	\$6,403	\$1,365	\$1,788	\$12,513
III Oversize Charges												
Percent Requiring Permits	40.0%	40.0%	40.0%	0.0%	60.0%	40.0%		40.0%	0.0%	40.0%	0.0%	
Cost Per Truck Load (\$)	\$326	\$326	\$326	\$326	\$326	\$326		\$326	\$326	\$326	\$326	
Total Cost	\$261	\$1,304	\$1,174	\$0	\$391	\$261	\$3,390	\$593	\$0	\$274	\$0	\$867
IV Transportation & Disposal												
A. Landfill												
Percent To Be Shipped	80.0%	80.0%	80.0%	0.0%	50.0%	80.0%		80.0%	0.0%	80.0%	80.0%	
Transportation Cost Per Truck Load	\$160	\$160	\$160	\$160	\$160	\$160		\$160	\$160	\$160	\$160	
Transportation Cost	\$256	\$1,280	\$1,152	\$0	\$160	\$256		\$582	\$0	\$269	\$352	
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	\$640	\$3,200	\$2,880	\$0	\$400	\$640		\$1,456	\$0	\$672	\$880	
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%	
Transportation Cost Per Truck Load	\$650	\$650	\$650	\$650	\$650	\$650		\$650	\$650	\$650	\$650	
Transportation Cost	\$260	\$1,300	\$1,170	\$3,575	\$650	\$260		\$592	\$6,403	\$273	\$358	
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 (Yds ³)	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	
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	\$2,636	\$13,180	\$11,862	\$36,245	\$6,590	\$2,636		\$5,997	\$64,912	\$2,768	\$3,625	
Total Cost Transportation & Disposal	\$3,276	\$16,380	\$14,742	\$36,245	\$6,990	\$3,276	\$80,909	\$7,453	\$64,912	\$3,440	\$4,505	\$80,309
TOTAL COST	\$5,011	\$28,534	\$25,681	\$39,820	\$9,551	\$5,707	\$114,303	\$12,983	\$71,314	\$5,992	\$7,488	\$97,777
TOTAL COST - IRIGARAY AND CHRISTENSEN												\$212,081

Irigaray							Christensen						
Main Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total

BUILDING DEMOLITION AND DISPOSAL

Structural Character	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	3 Story Steel/Masonry	1 Story Steel Frame		2 Story Steel Frame	1 Story Pre Fab (22)	1 Story Pre Fab (4)	2 Story Steel Frame	1 Story Pre-Fab	1 Story Steel Frame	
Demolition Volume (Ft ³)	179400	108720	430400	386400	126000	69640		192000	95040	46720	72000	64800	11000	
Cost of Demolition Per Ft ³	\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650		\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650	
Demolition Cost (\$)	\$29,601	\$17,939	\$71,016	\$63,756	\$20,790	\$11,491	\$214,592	\$31,680	\$15,682	\$7,709	\$11,880	\$10,692	\$1,815	\$79,457
Factor For Gutting	15.0%	10.0%	30.0%	10.0%	20.0%	10.0%		20.0%	0.0%	0.0%	20.0%	10.0%	10.0%	
Cost For Gutting (\$)	\$4,440	\$1,794	\$21,305	\$6,376	\$4,158	\$1,149	\$39,221	\$6,336	\$0	\$0	\$2,376	\$1,069	\$182	\$9,963
Weight (pounds)	158761	96212	380985	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	
Transportation Cost per Truckload	\$160	\$160	\$160	\$160	\$160	\$160		\$160	\$160	\$160	\$160	\$2.58	\$2.58	
Transportation Cost (\$)	\$635	\$385	\$1,524	\$1,368	\$446	\$247	\$4,604	\$680	\$267	\$112	\$255	\$3	\$1	\$1,316
Disposal Cost per Truckload (25 CY)	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00		\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	
Disposal Cost (\$)	\$1,191	\$722	\$2,857	\$2,565	\$836	\$462	\$8,632	\$1,274	\$500	\$210	\$478	\$291	\$73	\$2,826
TOTAL COST	\$35,867	\$20,839	\$96,701	\$74,064	\$26,230	\$13,348	\$267,050	\$39,970	\$16,448	\$8,031	\$14,989	\$12,055	\$2,070	\$93,563
TOTAL COST IRIGARAY AND CHRISTENSEN														\$360,613

CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL

Area (Ft ²)	8020	7100	17600	18400	5600	3600		9600	0	1440	3600	0	1000	
Average Thickness (Ft)	0.5	0.5	0.5	0.5	1	0.5		0.5	0.0	0.5	0.5	0.0	0.5	
Volume (Ft ³)	4010	3550	8800	9200	5600	1800		4800	0	720	1800	0	500	
Percent Requiring Decontamination	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Percent Decontaminated	0.0%	0.0%	75.0%	75.0%	40.0%	75.0%		75.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Decontamination (\$/Ft ²)	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134		\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	
Decontamination Cost	\$0	\$0	\$1,769	\$1,849	\$300	\$362	\$4,280	\$965	\$0	\$193	\$482	\$0	\$0	\$1,640
Demolition (\$/Ft ²)	\$3.05	\$3.05	\$3.05	\$3.05	\$3.05	\$3.05		\$3.05	\$3.05	\$3.05	\$3.05	\$3.05	\$3.05	
Demolition Cost	\$24,461	\$21,655	\$53,680	\$56,120	\$17,080	\$10,980	\$183,976	\$29,280	\$0	\$4,392	\$10,980	\$0	\$3,050	\$47,702
Transportation & Disposal														
A. Onsite Disposal														
Percent to be Disposed Onsite	100%	100%	90%	90%	40%	90%		90%	0%	100%	100%	0%	100%	
Transportation Cost	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	
Disposal Cost per Cubic Foot	\$0.230	\$0.230	\$0.230	\$0.230	\$0.230	\$0.230		\$0.230	\$0.230	\$0.230	\$0.230	\$0.230	\$0.230	
Disposal Cost (\$)	\$922	\$817	\$1,822	\$1,904	\$515	\$373	\$6,353	\$994	\$0	\$166	\$414	\$0	\$115	\$1,688
B. Licensed Site														
Percent to be Shipped	0%	0%	10%	10%	60%	10%		10%	100%	0%	0%	100%	0%	
Transportation Cost per Truckload	\$650	\$650	\$650	\$650	\$650	\$650		\$650	\$650	\$650	\$650	\$650	\$650	
Transportation Cost (\$)	\$0	\$0	\$1,059	\$1,107	\$4,044	\$217	\$6,428	\$578	\$0	\$0	\$0	\$0	\$0	\$578
Disposal Cost per Cubic Foot	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Quantity Per Truck Load (Yds ³)	20	20	20	20	20	20		20	20	20	20	20	20	
Quantity Per Truck Load (Ft ³)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost (\$)	\$0	\$0	\$3,256	\$3,404	\$12,432	\$666	\$19,758	\$1,776	\$0	\$0	\$0	\$0	\$0	\$1,776
TOTAL COST	\$25,383	\$22,472	\$61,586	\$64,385	\$34,372	\$12,597	\$220,794	\$33,592	\$0	\$4,751	\$11,876	\$0	\$3,165	\$53,384
TOTAL COST IRIGARAY AND CHRISTENSEN														\$274,178

Irigaray							Christensen						
Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total

SOIL REMOVAL & DISPOSAL

Assume removal of 3" of Contaminated Soil under Primary Areas. Disposal at a Licensed facility.

Removal with Loader (\$75/hr)	\$75	\$0	\$1,222	\$1,278	\$389	\$250	\$3,139	\$667	\$0	\$0	\$0	\$0	\$0	\$667
Quantity to be Shipped (Ft³)	0	0	4400	4600	1400	900		2400	0	0	0	0	0	0
Transportation Cost per Truckload	\$650	\$650	\$650	\$650	\$650	\$650		\$650	\$650	\$650	\$650	\$650	\$650	\$650
Transportation Cost (\$)	\$0	\$0	\$5,296	\$5,537	\$1,685	\$1,083	\$13,602	\$2,889	\$0	\$0	\$0	\$0	\$0	\$2,889
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	\$3.70
Quantity per Truckload (Ft³)	540	540	540	540	540	540		540	540	540	540	540	540	540
Disposal Cost (\$)	\$0	\$0	\$16,280	\$17,020	\$5,180	\$3,330	\$41,810	\$8,880	\$0	\$0	\$0	\$0	\$0	\$8,880
Removal, NPDES Pts.														
Quantity to be Shipped (Ft³)			559					5,030						
Transportation Cost per Truckload	\$650	\$650	\$650	\$650	\$650	\$650		\$650	\$650	\$650	\$650	\$650	\$650	\$650
Transportation Cost (\$)	\$0	\$0	\$673	\$0	\$0	\$0	\$673	\$6,055	\$0	\$0	\$0	\$0	\$0	\$6,055
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	\$3.70
Quantity per Truckload (Ft³)	540	540	540	540	540	540		540	540	540	540	540	540	540
Disposal Cost (\$)	\$0	\$0	\$2,068	\$0	\$0	\$0	\$2,068	\$18,611	\$0	\$0	\$0	\$0	\$0	\$18,611
Total Cost	\$0	\$0	\$25,539	\$23,835	\$7,254	\$4,663	\$61,291	\$37,102	\$0	\$0	\$0	\$0	\$0	\$37,102
TOTAL COST	\$0	\$0	\$25,539	\$23,835	\$7,254	\$4,663	\$61,291	\$37,102	\$0	\$0	\$0	\$0	\$0	\$37,102
TOTAL COST IRIGARAY AND CHRISTENSEN														\$98,393

RADIATION SURVEY														
Area required (acres)	0.18	0.16	0.40	0.42	0.13	0.08		0.22	0.00	0.03	0.08	0.00	0.02	
Survey Cost (\$/acre)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00		\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
TOTAL SURVEY COST (\$)	\$96		\$210	\$220	\$67	\$43	\$636	\$115	\$0	\$17	\$43	\$0	\$12	\$187

TOTAL COST	\$61,346	\$43,311	\$184,036	\$162,504	\$67,923	\$30,652	\$549,771	\$110,779	\$16,448	\$12,799	\$26,908	\$12,055	\$5,247	\$184,236
TOTAL COST IRIGARAY AND CHRISTENSEN														\$734,007

POND RECLAMATION COST	Irigaray						S17				Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond	
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Pond 1	Pond 2A	Pond 2B						Pond 3
POND SLUDGE:																
Average Sludge Depth (Ft)		0.156		0.135			0.156					0.166	0.222	0.143	0.068	0.000
Average Area of Sludge (Ft²)		50,604		62,291			50,604					20,909	20,909	20,909	20,909	
Volume of Sludge (Ft³)		7,907		8,435			7,907					3,466	4,651	2,983	1,414	
Volume of Sludge (Yds³)	0	293	0	312	0	0	293	0	0	0	0	128	172	110	52	0
Volume of Sludge Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
# of Truck Loads of Sludge	0.0	14.7	0.0	15.6	0.0	0.0	14.7	0.0	0.0	0.0	0.0	6.4	8.6	5.5	2.6	0.0
Sludge Handling Cost Per Load (\$)	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00
Total Sludge Handling Cost (\$)	\$0	\$3,528	\$0	\$3,744	\$0	\$0	\$3,528	\$0	\$0	\$0	\$0	\$1,536	\$2,064	\$1,320	\$624	\$0
Transportation & Disposal																
Percent To Be Shipped to Licensed Site	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%
Transportation Cost per Truckload	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650
Transportation Cost (\$)	\$0	\$9,555	\$0	\$10,140	\$0	\$0	\$9,555	\$0	\$0	\$0	\$0	\$4,160	\$5,590	\$3,575	\$1,690	\$0
Disposal Cost Per Cubic Foot (\$)	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Quantity Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540
Disposal Cost (\$)	\$0	\$87,318	\$0	\$92,664	\$0	\$0	\$87,318	\$0	\$0	\$0	\$0	\$38,016	\$51,084	\$32,670	\$15,444	\$0
Total Transportation & Disposal (\$)	\$0	\$96,873	\$0	\$102,804	\$0	\$0	\$96,873	\$0	\$0	\$0	\$0	\$42,176	\$56,674	\$36,245	\$17,134	\$0
TOTAL SLUDGE COST (\$)	\$0	\$100,401	\$0	\$106,548	\$0	\$0	\$100,401	\$0	\$0	\$0	\$0	\$43,712	\$58,738	\$37,565	\$17,758	\$0
POND LINER																
Total Pond Area (Acres)		1.72		1.72			2.17					1.10	1.10	1.10	1.10	0.00
Total Pond Area (Ft²)	0	74923.2	0	74923.2	0	0	94525.2	0	0	0	0	47916	47916	47916	47916	0
Factor For Sloping Sides	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	0.0%
Total Liner Area (Ft²)	0	89908	0	89908	0	0	113430	0	0	0	0	57499	57499	57499	57499	0
Liner Thickness (Millimeters)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
Liner Thickness (Inches)	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0.1181	0
Liner Thickness (Ft)	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0
"Swell" Factor	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	0.0%
Liner Volume (Ft³)	0	1101	0	1101	0	0	1390	0	0	0	0	704	704	704	704	0
Truck Loads of Liner	0.0	2.0	0.0	2.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	0.0
Liner Handling Cost (\$)																
Labor Crew Cost per Hour (\$)	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$90	\$0
Hours per Load	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0
Liner Handling Cost Per Load (\$)	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$0.00
Total Liner Handling Cost (\$)	\$0	\$360	\$0	\$360	\$0	\$0	\$468	\$0	\$0	\$0	\$0	\$234	\$234	\$234	\$234	\$0
Transportation & Disposal																
Percent To Be Shipped to Licensed Site	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%
Transportation Cost per Truckload	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650	\$650
Transportation Cost (\$)	\$0	\$1,300	\$0	\$1,300	\$0	\$0	\$1,690	\$0	\$0	\$0	\$0	\$945	\$945	\$945	\$845	\$0
Disposal Cost Per Cubic Foot (\$)	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540
Disposal Cost (\$)	\$0	\$11,880	\$0	\$11,880	\$0	\$0	\$15,444	\$0	\$0	\$0	\$0	\$7,722	\$7,722	\$7,722	\$7,722	\$0
Total Transportation & Disposal (\$)	\$0	\$13,180	\$0	\$13,180	\$0	\$0	\$17,134	\$0	\$0	\$0	\$0	\$8,567	\$9,567	\$8,567	\$8,567	\$0
TOTAL LINER COST (\$)	\$0	\$13,540	\$0	\$13,540	\$0	\$0	\$17,602	\$0	\$0	\$0	\$0	\$8,801	\$8,801	\$8,801	\$8,801	\$0
POND BACKFILL:																
Backfill required (Yds³)	8740	8580	8740	8580	2517	14617	16319					9048	9048	9048	9048	18070
Backfill Cost (\$/Yd³)	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
TOTAL BACKFILL COST (\$)	\$8,740	\$8,580	\$8,740	\$8,580	\$2,517	\$14,617	\$16,319	\$0	\$0	\$0	\$0	\$9,048	\$9,048	\$9,048	\$9,048	\$18,070

POND RECLAMATION COST	Ingaray							S17				Brine	Brine	Brine	Brine	Permeate
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Pond 1	Pond 2A	Pond 2B	Pond 3	Pond 1	Pond 2	Pond 3	Pond 4	Pond
RADIATION SURVEY																
Areal required (acres)	1.75	1.72	1.75	1.72	0.78	2.17	2.17	0.00	0.00	0.00	0.00	1.10	1.10	1.10	1.10	0
Survey Cost (\$/acre)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00
TOTAL SURVEY COST (\$)	\$910	\$894	\$910	\$894	\$406	\$1,128	\$1,128	\$0	\$0	\$0	\$0	\$572	\$572	\$572	\$572	\$0
LEAK DETECTION SYSTEM REMOVAL																
Volume of Gravel and Piping (Ft ³) (Assume 3")				13851												
Quantity per Truckload (Ft ³)			540	540												
Quantity to be Shipped to Licensed Site (Loads)			0.0	25.7												
Transportation Cost per Truckload			\$650	\$650												
Transportation Cost (\$)			\$0	\$16,673												
Handling Cost per load			\$0	\$6,156												
Disposal Fee per Cubic Foot (\$)			\$3.70	\$3.70												
Disposal Cost (\$)			\$0	\$51,249												
TOTAL LEAK DETECTION SYSTEM REMOVAL	\$0	\$0	\$0	\$74,077	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$74,077
TOTAL POND RECLAMATION COST	\$9,650	\$123,415	\$9,650	\$203,639	\$2,923	\$15,745	\$135,450	\$0	\$0	\$0	\$0	\$62,133	\$77,159	\$55,986	\$36,179	\$18,070

SUMMARY - IRIGARAY:

TOTAL SLUDGE COST (\$)	\$307,350
TOTAL LINER COST (\$)	\$44,682
TOTAL BACKFILL COST (\$)	\$68,093
TOTAL RADIATION SURVEY COST (\$)	\$6,270
LEAK DETECTION SYSTEM REMOVAL	\$74,077
TOTAL POND RECLAMATION COST	\$500,472

SUMMARY - CHRISTENSEN:

TOTAL SLUDGE COST (\$)	\$157,773
TOTAL LINER COST (\$)	\$35,204
TOTAL BACKFILL COST (\$)	\$54,262
TOTAL RADIATION SURVEY COST (\$)	\$2,288
LEAK DETECTION SYSTEM REMOVAL	\$0
TOTAL POND RECLAMATION COST	\$249,527
TOTAL PROJECT COST - CR and IR (\$)	\$749,999

COGEMA Mining, Inc.
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WELL PLUGGING AND ABANDONMENT	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	11	314	1389	2062	327	137	2526
Average Depth	250	250	250		410	410	410	
Average Diameter	4.5	4.5	4.5		4.5	4.5	4.5	
Materials								
Bentonite Chips Required (Ft ³ /Well)	11.4	11.4	11.4		11.4	11.4	11.4	
Bags of Chips Required/Well	15.0	15.0	15.0		15.0	15.0	15.0	
Cost Per Bag (\$)	\$4.50	\$4.50	\$4.50		\$4.50	\$4.50	\$4.50	
Cost/Well Bentonite Chips (\$)	\$67.50	\$67.50	\$67.50		\$67.50	\$67.50	\$67.50	
Gravel Fill Required (Ft ³ /Well)	15.7	15.7	15.7		33.6	33.6	33.6	
Gravel Fill Required (Yd ³ /Well)	0.58	0.58	0.58		1.24	1.24	1.24	
Cost of Gravel/Yd ³ (\$)	\$20.00	\$20.00	\$20.00		\$20.00	\$20.00	\$20.00	
Cost/Well Gravel Fill (\$)	\$11.63	\$11.63	\$11.63		\$24.89	\$24.89	\$24.89	
Cement Cone/Markers Req'd/Well	1.0	1.0	1.0		1.0	1.0	1.0	
Cost of Cement Cones/Markers (\$)	\$4.00	\$4.00	\$4.00		\$4.00	\$4.00	\$4.00	
Total Materials Cost per Well	\$83.13	\$83.13	\$83.13		\$96.39	\$96.39	\$96.39	
Labor								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Labor Cost per Hour	\$60.00	\$60.00	\$60.00		\$60.00	\$60.00	\$60.00	
Total Labor Cost per Well (\$)	\$60.00	\$60.00	\$60.00		\$60.00	\$60.00	\$60.00	
Equipment Rental								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Backhoe w/Operator Cost/Hr (\$)	\$38.50	\$38.50	\$38.50		\$38.50	\$38.50	\$38.50	
Total Equipment Cost per Well (\$)	\$38.50	\$38.50	\$38.50		\$38.50	\$38.50	\$38.50	
Total Cost per Well (\$)	\$181.63	\$181.63	\$181.63		\$194.89	\$194.89	\$194.89	
TOTAL WELL ABANDONMENT COST (\$)	\$193,254	\$1,998	\$57,032	\$252,284	\$401,861	\$63,729	\$26,700	\$492,289
GRAND TOTAL IRIGARAY AND CHRISTENSEN								\$744,573

COGEMA Mining, Inc.
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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL

	Irrigaray 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 & Irrigaray
I Wellfield Piping							
A. Removal							
Length/Well (Ft)	100	300	300	300			
Total Number of Wells	1064	1021	494	446			
Total Quantity (Ft)	106400	306300	148200	133800			
Cost of Removal (\$/Ft)	\$0.202	\$0.202	\$0.202	\$0.202			
Cost of Removal (\$)	\$21,493	\$61,873	\$29,936	\$27,028			\$140,329
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft ³ /Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft ³)	1,702	4,901	2,371	2,141			
Quantity Per Truck Load (Ft ³)	540	540	540	540			
Total Number of Truck Loads	3.2	9.1	4.4	4.0			
B. Survey & Decontamination							
Percent Requiring Decontamination	0%	0%	0%	0%			
Loads for Decontamination	0.0	0.0	0.0	0.0			
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00			
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0			\$0
C. Transport & Disposal							
1) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%			
Loads To Be Shipped	0.0	0.0	0.0	0.0			
Transportation Cost per Load	\$160	\$160	\$160	\$160			
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			
Transportation Cost per Load	\$650	\$650	\$650	\$650			
Transportation Cost (\$)	\$2,080	\$5,915	\$2,860	\$2,600			\$13,455
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	\$21,088	\$59,969	\$28,996	\$26,360			\$136,413
Total Cost - Transport & Disposal	\$21,088	\$59,969	\$28,996	\$26,360			\$136,413
Total Cost - WF Piping Removal & Disposal	\$42,581	\$121,842	\$58,932	\$53,388	\$0	\$0	\$276,742

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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)	\$22.50	\$22.50	\$22.50	\$22.50			
Cost of Removal (\$)	\$9,540	\$9,968	\$4,883	\$4,545			\$28,935
Number of Pumps Per Truck Load	180	180	180	180			
Number of Truck Loads (Pumps)	2.4	2.5	1.2	1.1			
B. Survey & Decontamination (Pumps)							
Percent Requiring Decontamination	50.0%	50.0%	50.0%	50.0%			
Loads for Decontamination	1.2	1.3	0.6	0.6			
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00			
Cost for Decontamination (\$)	\$522	\$566	\$261	\$261			\$1,610
C. Tubing Volume Reduction & Loading							
Length per Well (Ft)	100	300	300	450			
Total Quantity (Ft)	42,400	132,900	65,100	90,900			
Cost of Removal (\$/Ft)	\$0.025	\$0.025	\$0.025	\$0.025			
Cost of Removal (\$)	\$1,060	\$3,323	\$1,628	\$2,273			\$8,283
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft ³ /Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft ³)	678	2,126	1,042	1,454			
Quantity per Truckload (Ft ³)	540	540	540	540			
Number of Truck Loads	1.3	3.9	1.9	2.7			
D. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%			
Loads To Be Shipped	1.2	1.3	0.6	0.6			
Transportation Cost per Load	\$160	\$160	\$160	\$160			
Transportation Cost (\$)	\$192	\$208	\$96	\$96			\$592
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	\$480	\$520	\$240	\$240			\$1,480
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			
Transportation Cost per Load	\$650	\$650	\$650	\$650			
Transportation Cost (\$)	\$1,597	\$3,372	\$1,644	\$2,108			\$8,721
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	\$16,187	\$34,187	\$16,665	\$21,374			\$88,413
Total Cost - Transport & Disposal	\$16,667	\$34,707	\$16,905	\$21,614			\$89,893
Total Cost - Pump Removal & Disposal	\$27,789	\$48,563	\$23,676	\$28,692	\$0	\$0	\$128,720

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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
III Surface Trunkline Piping							
A. Removal							
Total Quantity (Ft)	44700	0	0	0	0	0	
Cost of Removal (\$/Ft)	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	
Cost of Removal (\$)	\$6,526	\$0	\$0	\$0	\$0	\$0	\$6,526
Average OD (Inches)	8.750	8.750	0.000	0.000	0.000	0.000	
Chipped Volume Reduction (Ft ³ /Ft)	0.088	0.088	0.088	0.088	0.088	0.088	
Chipped Volume (Ft ³)	3934	0	0	0	0	0	
Quantity Per Truck Load (Ft ³)	540	540	540	540	0	0	
Total Number of Truck Loads	7.3	0.0	0.0	0.0	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$0.00	\$0.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$160	\$160	\$160	\$160	\$0	\$0	
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	
Transportation Cost per Load	\$650	\$650	\$650	\$650	\$0	\$0	
Transportation Cost (\$)	\$4,735	\$0	\$0	\$0	\$0	\$0	\$4,735
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	\$48,004	\$0	\$0	\$0	\$0	\$0	\$48,004
Total Cost - Transport & Disposal	\$48,004	\$0	\$0	\$0	\$0	\$0	\$48,004
Total Cost - Surface Trunkline Removal & Disposal	\$54,531	\$0	\$0	\$0	\$0	\$0	\$54,531

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
IV. Buried Trunkline							
A. Removal							
Total Quantity (Ft)	7300	11565	24500	47000	0	0	
Cost of Removal (\$/Ft)	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	
Cost of Removal (\$)	\$22,776	\$36,083	\$76,440	\$146,640	\$0	\$0	\$281,939
Average OD (Inches)	8.750	8.750	8.750	12.000	12.000	12.000	
Chipped Volume Reduction (Ft ³ /Ft)	0.088	0.088	0.088	0.130	0.130	0.130	
Chipped Volume (Ft ³)	642	1018	2156	6110	0	0	
Quantity Per Truck Load (Ft ³)	540	540	540	540	0	0	
Number of Truck Loads	1.2	1.9	4.0	11.3	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination. (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$0.00	\$0.00	
Cost for Decontamination. (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$160	\$160	\$160	\$160	\$0	\$0	
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	
Transportation Cost per Load	\$650	\$650	\$650	\$650	\$0	\$0	
Transportation Cost (\$)	\$780	\$1,235	\$2,600	\$7,345	\$0	\$0	\$11,960
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	\$7,908	\$12,521	\$26,360	\$74,467	\$0	\$0	\$121,256
Total Cost - Transport & Disposal	\$7,908	\$12,521	\$26,360	\$74,467	\$0	\$0	\$121,256
Total Cost - Buried Trunkline Removal & Disposal	\$30,684	\$48,604	\$102,800	\$221,107	\$0	\$0	\$403,195

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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)	\$117.00	\$117.00	\$117.00	\$117.00	\$117.00	\$117.00	
Cost of Removal (\$)	\$585	\$936	\$585	\$1,287	\$0	\$0	\$3,393
Quantity Per Truck Load	10	10	10	10	10	10	
Number of Truck Loads	0.5	0.8	0.5	1.1	0.0	0.0	
B. Survey & Decontamination							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$0.00	\$0.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Transport & Disposal							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$160	\$160	\$160	\$160	\$0	\$0	
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	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	
Transportation Cost per Load	\$650	\$650	\$650	\$650	\$0	\$0	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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 (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Licensed Site	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Transport & Disposal	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost Manhole Removal & Disposal	\$585	\$936	\$585	\$1,287	\$0	\$0	\$3,393
TOTAL COST - WELLFIELD EQUIP REMOVAL & DISP	\$156,169	\$219,944	\$185,994	\$304,474	\$0	\$0	\$866,561

COGEMA Mining, Inc.
2005 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 (Yds ³)	8067	4033	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	
Topsoil Handling Cost (\$)	\$8,067	\$4,033	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	
Grading Cost (\$)	\$192	\$96	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$8,259	\$4,129	\$0	\$0	\$0	\$0	\$12,388
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$2,600	\$1,300	\$0	\$0	\$0	\$0	\$3,900
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 - Revegetation	\$2,459	\$1,229	\$0	\$0	\$0	\$0	\$3,688
Sub Total - Process Plant and Office Bldg.	\$13,317	\$6,659	\$0	\$0	\$0	\$0	\$19,976
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 (Yds ³)	32267	19360	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	
Topsoil Handling Cost (\$)	\$32,267	\$19,360	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	
Grading Cost (\$)	\$769	\$461	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$33,036	\$19,921	\$0	\$0	\$0	\$0	\$52,957
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$10,400	\$6,240	\$0	\$0	\$0	\$0	\$16,640
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 - Revegetation	\$9,834	\$5,901	\$0	\$0	\$0	\$0	\$15,735
Sub Total - Ponds	\$53,270	\$31,962	\$0	\$0	\$0	\$0	\$85,232

COGEMA Mining, Inc
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	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
TOPSOIL REPLACEMENT & REVEGETATION							
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 (Yds ³)	18822	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	
Topsoil Handling Cost (\$)	\$18,822	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$0.00	
Grading Cost (\$)	\$1,538	\$2,115	\$1,154	\$1,923	\$1,346	\$0	
Sub Total - Topsoil	\$20,360	\$2,115	\$1,154	\$1,923	\$1,346	\$0	\$26,897
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$20,800	\$28,600	\$15,600	\$26,000	\$0	\$0	\$91,000
C. Spill Cleanup							
Affected Area (Acres)	0.054	0.036	0	0	0	0	
Affected Area (ft ²)	2,352	1,568	0	0	0	0	
Average Affected Thickness (ft)	0.25	0.25	0	0	0	0	
Affected Volume (ft ³)	588	392	0	0	0	0	
Quantity per Truckload (ft ³)	540	540	540	540	540	540	
Quantity to be Shipped (Loads)	1.1	0.7	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$650	\$650	\$650	\$650	\$650	\$650	
Transportation Cost (\$)	\$708	\$472	\$0	\$0	\$0	\$0	
Handling Cost (\$240/load)	\$261	\$174	\$0	\$0	\$0	\$0	
Disposal Fee per Cubic Foot (\$)	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Disposal Cost (\$)	\$2,176	\$1,450	\$0	\$0	\$0	\$0	
Sub Total - Spill Cleanup	\$3,145	\$2,096	\$0	\$0	\$0	\$0	\$5,241
D. 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 - Revegetation	\$19,668	\$27,044	\$14,751	\$24,586	\$17,210	\$19,668	\$122,928
Sub Total - Wellfields (\$)	\$63,973	\$59,855	\$31,505	\$52,508	\$18,556	\$19,668	\$246,065
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 (Yds ³)	40333	32267	24200	33880	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	
Topsoil Handling Cost (\$)	\$40,333	\$32,267	\$24,200	\$33,880	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	
Grading Cost (\$)	\$961	\$769	\$577	\$807	\$0	\$0	
Sub Total - Topsoil	\$41,295	\$33,036	\$24,777	\$34,687	\$0	\$0	\$133,794
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$13,000	\$10,400	\$7,800	\$10,920	\$0	\$0	\$42,120
C. Revegetation							
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 - Revegetation	\$12,293	\$9,834	\$7,376	\$10,326	\$0	\$0	\$39,829
Sub Total - Roads (\$)	\$66,587	\$53,270	\$39,952	\$55,933	\$0	\$0	\$215,743

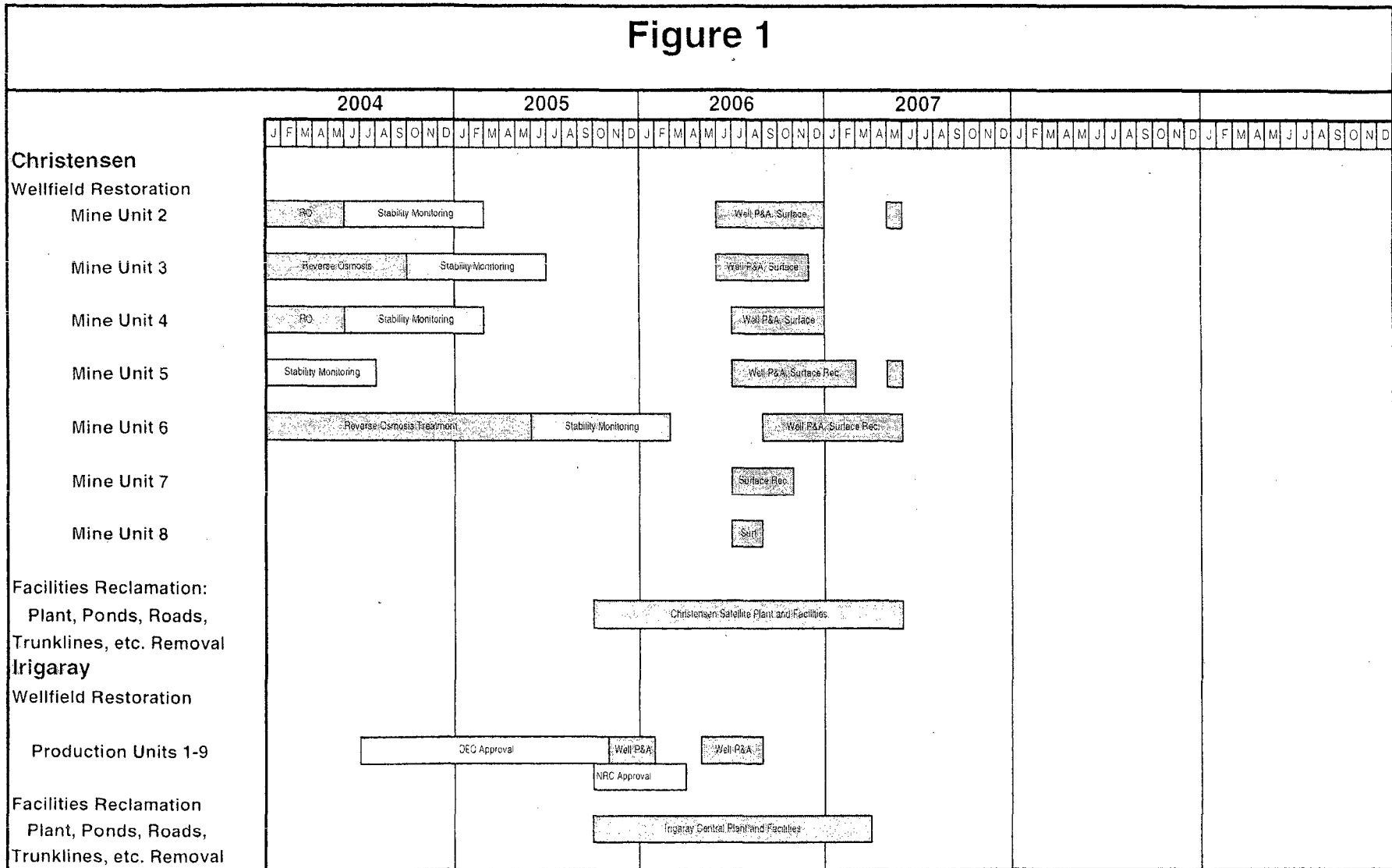
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 2005 Restoration and Reclamation Costs
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	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
TOPSOIL REPLACEMENT & REVEGETATION							
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 (Yds ³)	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	
Topsoil Handling Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$0.00	
Grading Cost (\$)	\$1,576	\$731	\$192	\$192	\$0	\$0	
Sub Total - Topsoil	\$1,576	\$731	\$192	\$192	\$0	\$0	\$2,692
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$21,320	\$9,880	\$2,600	\$2,600	\$0	\$0	\$36,400
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	\$43,057	\$19,953	\$5,251	\$5,251	\$0	\$0	\$73,511
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 (Yds ³)	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Topsoil Handling Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Grading Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Revegation							
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$168.68	\$168.68	\$168.68	\$168.68	\$0.00	\$0.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$0.00	\$0.00	
Sub Total Cost/Acre	\$491.71	\$491.71	\$491.71	\$491.71	\$46.49	\$46.49	
Sub Total - Revegation	\$32,207	\$26,675	\$12,293	\$18,685	\$814	\$930	\$91,603
Sub Total - Remedial Action	\$32,207	\$26,675	\$12,293	\$18,685	\$814	\$930	\$91,603
TOTAL COST - TOPSOIL & REVEGETATION	\$272,412	\$198,374	\$89,001	\$132,377	\$19,369	\$20,598	\$732,131

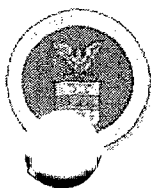
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MISCELLANEOUS RECLAMATION	Ingaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Ingaray
I Fence Removal & Disposal							
Quantity (Feet)	15240	35260	20000	9000	0	0	
Cost of Removal/Disposal (\$/Ft)	\$0.68	\$0.68	\$0.68	\$0.68	\$0.68	\$0.68	
Cost of Removal/Disposal (\$)	\$10,363	\$23,977	\$13,600	\$6,120	\$0	\$0	\$54,060
II Powerline Removal & Disposal							
Quantity (Feet)	9450	10565	18000	18000	0	0	
Cost of Removal/Disposal (\$/Ft)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cost of Removal/Disposal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III Powerpole Removal & Disposal							
Quantity	25	30	60	60	0	0	
Cost of Removal/Disposal (\$/Each)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cost of Removal/Disposal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IV Transformer Removal & Disposal							
Quantity	3	1	0	18	0	0	
Cost of Removal/Disposal (\$/Each)	\$2,525	\$2,525	\$2,525	\$619	\$619	\$619	
Cost of Removal/Disposal (\$)	\$7,575	\$2,525	\$0	\$11,142	\$0	\$0	\$21,242
V Booster Pump Assembly Removal & Disposal							
Quantity	0	6	5	5	0	0	
Cost of Removal/Disposal (\$/Each)	\$248	\$248	\$248	\$248	\$248	\$248	
Cost of Removal/Disposal (\$)	\$0	\$1,488	\$1,240	\$1,240	\$0	\$0	\$3,968
VI Culvert Removal & Disposal							
Quantity (Feet)	150	1200	1000	1000	0	0	
Cost of Removal/Disposal (\$/Ft)	\$3.48	\$3.48	\$3.48	\$3.48	\$3.48	\$3.48	
Cost of Removal/Disposal (\$)	\$522	\$4,176	\$3,480	\$3,480	\$0	\$0	\$11,658
VII Guardrail Removal							
Quantity (Feet)	200	3000	0	0	0	0	
Cost of Removal/Disposal (\$/Ft)	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	
Cost of Removal/Disposal (\$)	\$1,288	\$19,320	\$0	\$0	\$0	\$0	\$20,608
VIII Low Water Stream Crossing							
Quantity	0	1	1	0	0	0	
Cost of Removal/Disposal (\$/Each)	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	
Cost of Removal/Disposal (\$)	\$0	\$4,500	\$4,500	\$0	\$0	\$0	\$9,000
IX Utilities Cost							
Quantity (Mos)	4	8	4	4	0	0	
Cost Per Month (\$/Month)	\$65	\$65	\$65	\$65	\$65	\$65	
Total Cost (\$)	\$260	\$520	\$260	\$260	\$0	\$0	\$1,300
TOTAL MISCELLANEOUS COST	\$20,008	\$56,506	\$23,080	\$22,242	\$0	\$0	\$121,836

Figure 1



**2005 SURETY ESTIMATE
SUPPORTING ATTACHMENTS**



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Consumer Price Index - All Urban Consumers

Series Id: CUURO000SAD Not Seasonally Adjusted Area: U.S. city average Item: All items Base Period: 1982-84=100															
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
1995	150.3	150.9	151.4	151.9	152.2	152.5	152.5	152.9	153.2	153.7	153.6	153.5	152.4	151.5	153.2
1996	154.4	154.9	155.7	156.3	156.6	156.7	157.0	157.3	157.8	158.3	158.6	158.6	156.9	155.8	157.9
1997	159.1	159.6	160.0	160.2	160.1	160.3	160.5	160.8	161.2	161.6	161.5	161.3	160.5	159.9	161.2
1998	161.6	161.9	162.2	162.5	162.8	163.0	163.2	163.4	163.6	164.0	164.0	163.9	163.0	162.3	163.7
1999	164.3	164.5	165.0	166.2	166.2	166.2	166.7	167.1	167.9	168.2	168.3	168.3	166.6	165.4	167.8
2000	168.8	169.8	171.2	171.3	171.5	172.4	172.8	172.8	173.7	174.0	174.1	174.0	172.2	170.8	173.6
2001	175.1	175.8	176.2	176.9	177.7	178.0	177.5	177.5	178.3	177.7	177.4	176.7	177.1	176.6	177.5
2002	177.1	177.8	178.8	179.8	179.8	179.9	180.1	180.7	181.0	181.3	181.3	180.9	179.9	178.9	180.9
2003	181.7	183.1	184.2	183.8	183.5	183.7	183.9	184.6	185.2	185.0	184.5	184.3	184.0	183.3	184.6
2004	185.2	186.2	187.4	188.0	189.1	189.7	189.4	189.5	189.9	190.9	191.0	190.3	188.9	187.6	190.2
2005	190.7	191.8	193.3	194.6	194.4	194.5	195.4	196.4						193.2	

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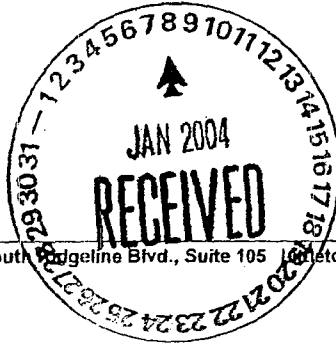
Phone: (202) 691-5200
 Fax-on-demand: (202) 691-6325
 Data questions: blsdata_staff@bls.gov
 Technical (web) questions: webmaster@bls.gov
 Other comments: feedback@bls.gov

**ATTACHMENT 1
POWER BILL HISTORY
Christensen Ranch Mine**

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

* Note: $KWH/HP = \text{Billed KWH} / \text{Billed Hours} / \text{Active HP}$

CC: TGN
WVI
BB



Petrotek Engineering Corporation 9088 South Fodgeline Blvd., Suite 105 Golden, Colorado 80129 USA (303) 290-9414 FAX (303) 290-9580

December 30, 2003

COGEMA Mining, Inc.
935 Pendell Boulevard
Mills, WY 82644

Attention: Donna Wichers

Subject: Class I Disposal Well Plugging and Abandonment Cost Estimate
Christensen Ranch ISL Mine; Johnson County, Wyoming

Dear Donna:

Per your request, Petrotek Engineering Corporation (Petrotek) has prepared plugging and abandonment procedures and cost estimates for COGEMA's Class I wells located at Christensen Ranch (DW No. 1 and Christensen 18-3).

The procedures included herein are based on the Wyoming Department of Environmental Quality (WDEQ) UIC Permit 00-340 which applies to both wells, and WDEQ regulations and guidance.

Time and materials cost estimates for the wells are presented in Tables 1 and 2. The costs are based on information provided by COGEMA, WDEQ requirements, our field experience, and recent quotes from applicable vendors.

The costs are based on the following assumptions:

- A falloff test and Radioactive Tracer log (RAT) may be required. Based on discussions with Mr. Bob Lucht of WDEQ, (1) a falloff test would be required if more than six months has elapsed since the last falloff test, and (2) a Part II mechanical integrity test (e.g., a RAT log) would be required if more than 2 years had elapsed since the last RAT log.
- Materials disposal (e.g., tubing, packer, wellhead and other debris) will be the responsibility of COGEMA;
- Subcontractor costs are billed directly to COGEMA (no markup by Petrotek).
- Cementing costs were based on verbal quotes from Rocky Mountain Cementers in Casper, Wyoming.

General plugging procedures are summarized below.

DW No. 1 (6733' RKB)

Move in rig & rig up. Pull packer and lay down 4 ½" tubing. Rig up stripping head. Pick up 2 7/8" workstring. Run in hole to 6700'.

Mix & pump 480 sacks 50/50 Poz cement + 2% bentonite (14.15#/gal). Displace with 20 bbl water. POOH to 3000', reverse clean, squeeze 100 sx cement into formation and WOC. Est. TOC 3400'.

RIH with tubing and tag cement. Mix & pump 580 sx 50/50 Poz cement + 2% bentonite in two or three stages till cement stands to surface. WOC.

Cut off casing and top of cement. Weld on cap and place marker. Rig down rig.

Christensen 18-3 (6577' RKB)

Move in rig. Rig up. Pull packer and lay down same. Rig up stripping head. Pick up 3,000 feet of 2 7/8" workstring. Run in hole to 6520'.

Mix & pump 280 sacks 50/50 Poz cement + 2% bentonite (14.15#/gal). Displace with 21 bbl water. POOH to 3200', reverse clean, squeeze 100 sx cement into formation and WOC. Est. TOC 3600'.

RIH with tubing and tag cement. Mix & pump 410 sx 50/50 Poz cement + 2% bentonite in two or three stages till cement stands to surface. WOC.

Cut off casing and top of cement. Weld on cap and place marker. Rig down rig.

Please contact the undersigned or Ken Cooper if you have any questions or comments regarding the plugging procedures, cost estimates, or other matters.

Sincerely,



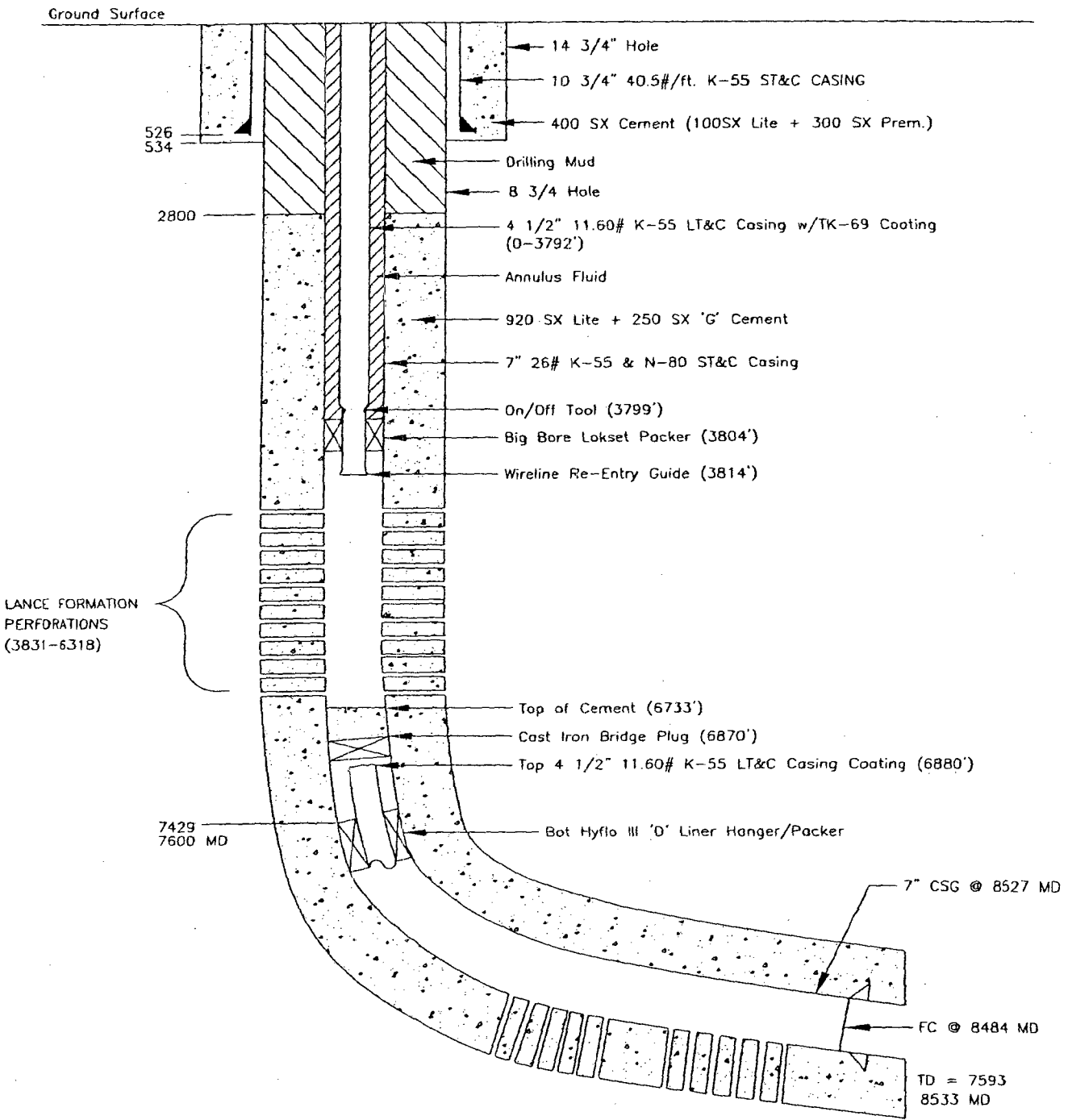
Petrotek Engineering Corporation
Hal Demuth

Table 1
 Plugging and Abandonment Cost Estimate: DW No. 1
 COGEMA Mining Christensen Ranch

Well Depth = 6733' RKB			
FIELD OPERATIONS	Unit Cost	Units Req'd.	Total Cost
<i>Subcontractors - Direct bill to COGEMA</i>			
Mob/demob & Location Preparation	\$3,600	1	\$3,600
Workover Rig and Associated Equipment (days)	\$3,300	4	\$13,200
Rental Tools (days)	\$1,200	4	\$4,800
Rental Tubing Inspection	\$4,000	1	\$4,000
Falloff Test	\$5,500	1	\$5,500
RAT Log	\$2,800	1	\$2,800
Trucking	\$3,000	1	\$3,000
Contract Labor	\$500	2	\$1,000
Cement (1100 sx), pumping & equipment	\$22,000	1	\$22,000
Contingency	\$4,000	1	\$4,000
<i>Total Estimated Subcontractor Charges</i>			\$63,900
Test Design and Project Management (hours)	\$80	24	\$1,920
Supervision (days)	\$700	5	\$3,500
Travel (hours)	\$80	8	\$640
Field Truck and Fuel (days)	\$95	6	\$570
Per Diem (days)	\$100	6	\$600
Data Analysis (lump sum)	\$900	1	\$900
Report Preparation (hours)	\$80	24	\$1,920
<i>Total Estimated Petrotek Charges</i>			\$10,050
TOTAL ESTIMATED COST			\$73,950
<i>Assumptions:</i>			
Subcontractors will bill COGEMA directly - otherwise a 10% markup will apply.			
Field activities can be completed in 5 days; otherwise T&M rates will apply.			
Falloff test is required if > 6 months since last test; RAT log required if > 2 years since last log.			
Two cement plugs are set; one to plug injection interval; the second (3 stages) to fill the casing			
COGEMA will be responsible for disposal of all well equipment.			

Table 2
 Plugging and Abandonment Cost Estimate: Christensen 18-3
 COGEMA Mining Christensen Ranch

Well Depth = 6577' RKB			
FIELD OPERATIONS	Unit Cost	Units Req'd.	Total Cost
<i>Subcontractors - Direct bill to COGEMA</i>			
Mob/demob & Location Preparation	\$3,600	1	\$3,600
Workover Rig and Associated Equipment (days)	\$3,300	4	\$13,200
Rental Tools (days)	\$900	4	\$3,600
Rental Tubing Inspection	\$3,000	1	\$3,000
Falloff Test	\$5,500	1	\$5,500
RAT Log	\$2,800	1	\$2,800
Trucking	\$3,000	1	\$3,000
Contract Labor	\$500	2	\$1,000
Cement (700 sx), pumping & equipment	\$17,500	1	\$17,500
Contingency	\$3,000	1	\$3,000
<i>Total Estimated Subcontractor Charges</i>			\$56,200
Test Design and Project Management (hours)	\$80	24	\$1,920
Supervision (days)	\$700	5	\$3,500
Travel (hours)	\$80	8	\$640
Field Truck and Fuel (days)	\$95	6	\$570
Per Diem (days)	\$100	6	\$600
Data Analysis (lump sum)	\$900	1	\$900
Report Preparation (hours)	\$80	24	\$1,920
<i>Total Estimated Petrotek Charges</i>			\$10,050
TOTAL ESTIMATED COST			\$66,250
<i>Assumptions:</i>			
Subcontractors will bill COGEMA directly - otherwise a 10% markup will apply.			
Field activities can be completed in 5 days; otherwise T&M rates will apply.			
Falloff test is required if > 6 months since last test; RAT log required if > 2 years since last log.			
Two cement plugs are set; one to plug injection interval; the second (3 stages) to fill the casing			
COGEMA will be responsible for disposal of all well equipment.			



NOTE:

ALL DEPTHS LISTED ARE TOTAL VERTICAL DEPTHS BELOW RKB (10') UNLESS OTHERWISE NOTED.

NOT TO SCALE

**COGEMA Mining Inc.
CHRISTENSEN RANCH PROJECT**

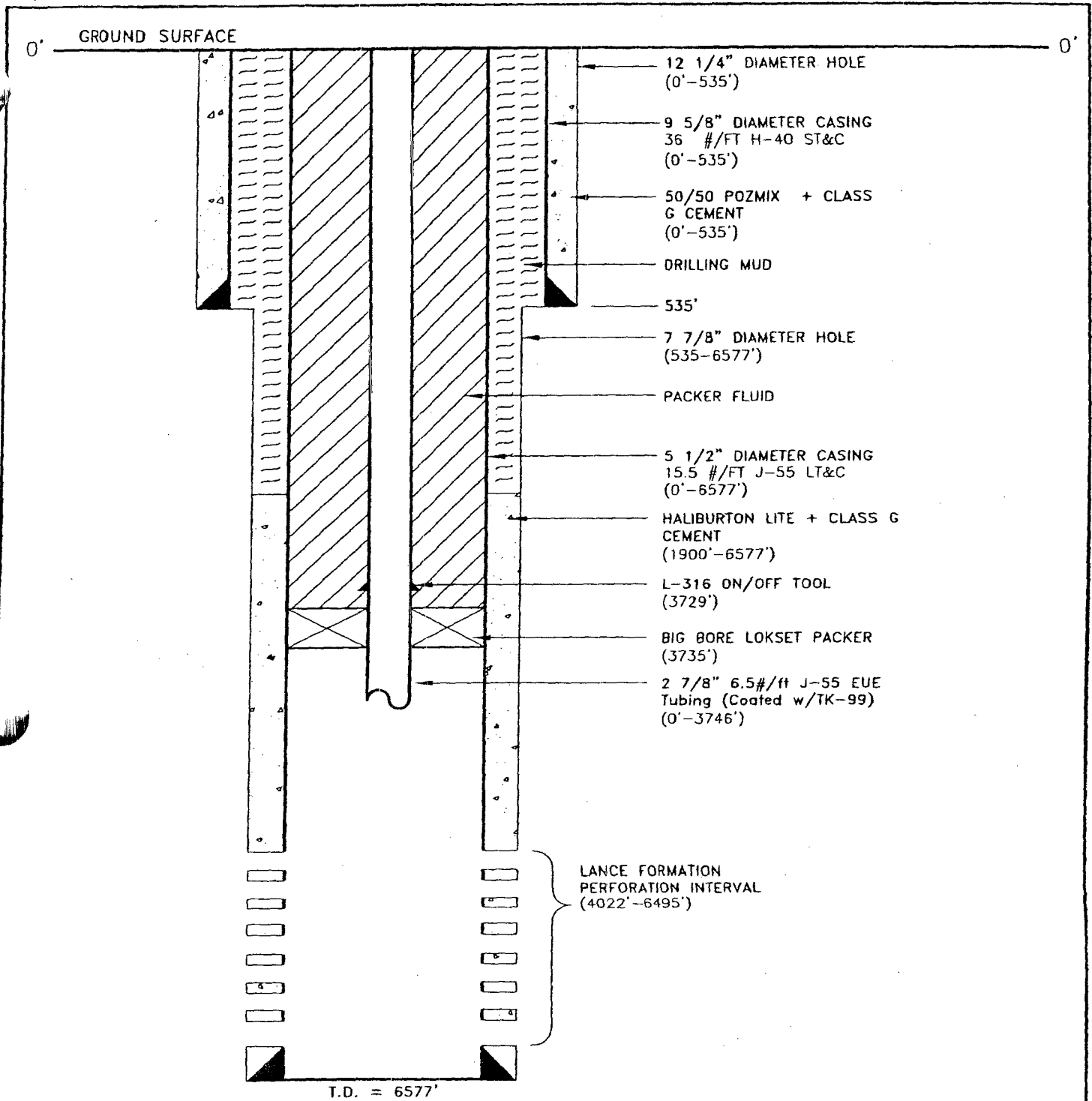
**FIGURE 2
COMPLETION SCHEMATIC
COGEMA DW. NO. 1**

PROJECT: 0169-004 DATE: DECEMBER, 1998

DWG: Figure2 1298.dwg BY: HPD CHECKED: KRS



9088 South Ridgeline Blvd., Suite 105
Littleton, Colorado 80129 (303) 290-9414



NOTE:

ALL DEPTHS IN FEET BELOW
RIG KELLY BUSHING (11' A.G.S.)

1" = 100'
AS SHOWN TO SCALE



COGEMA Mining Inc.

FIGURE 2
COMPLETION SCHEMATIC
CHRISTENSEN 18-3

PROJECT: 0169-010 | DATE: DECEMBER, 1999

DWG: Fig-2 18-3.dwg | BY: HPD | CHECKED: KRS

Petrotek

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APPENDIX 4

General Location & Environmental Monitoring Maps

**THIS PAGE IS AN
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FACILITIES LOCATION M AP.”**

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D-01

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MAP ID: /IRIGARAY/IRALL82005.DWG,
“IRIGARAY PROJECT GENERAL
LOCATION MAP MINE UNIT 1 THRU
9.”**

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MAP ID: /IRIGARAY/IRALL82005.DWG**

D-02

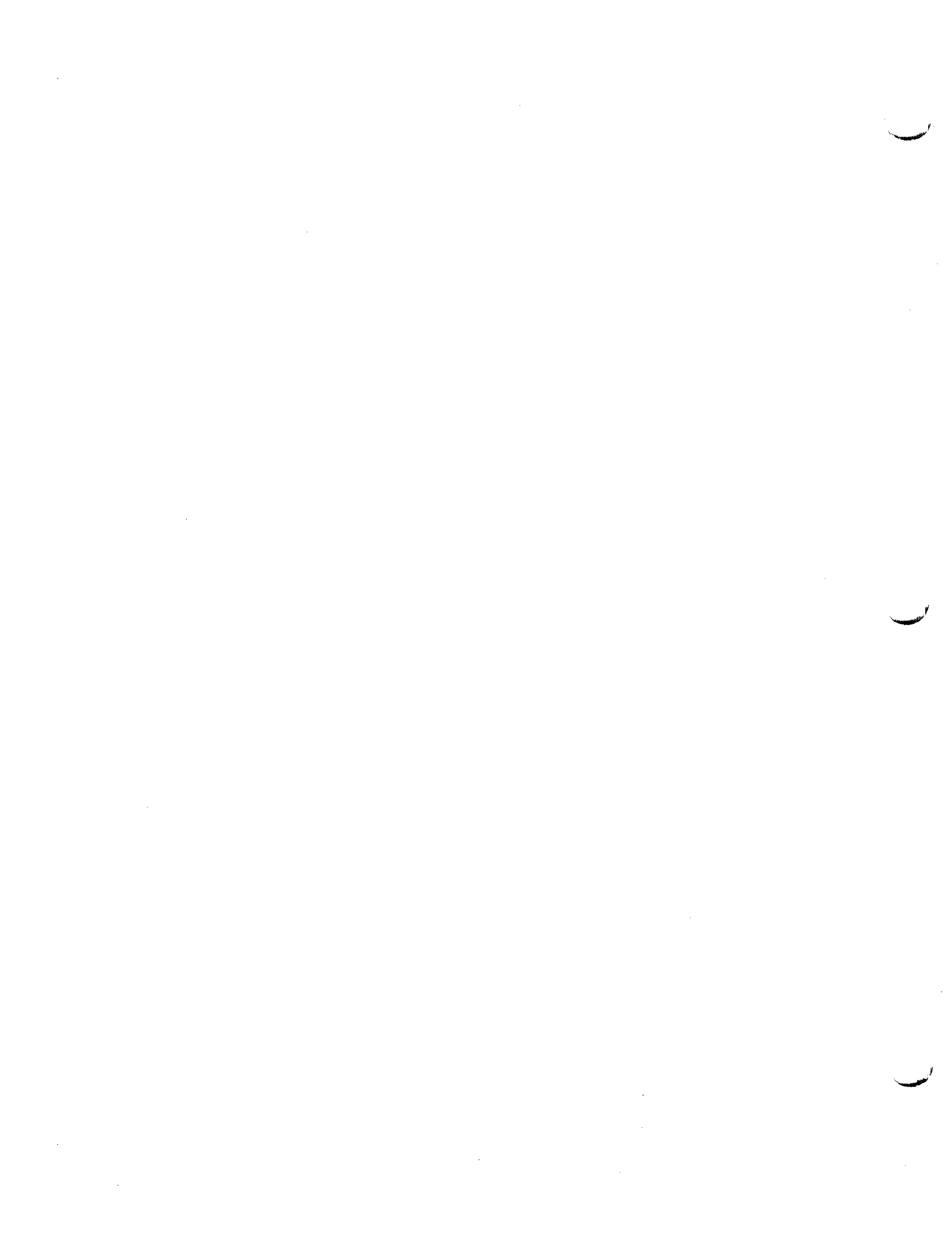
**THIS PAGE IS AN
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FIGURE,
THAT CAN BE VIEWED AT THE
RECORD TITLED:
FIGURE 5.5, "IRIGARAY AND
CHRISTENSEN RANCH
ENVIRONMENTAL MONITORING
STATION LOCATION."**

**WITHIN THIS PACKAGE... OR,
BY SEARCHING USING THE
DOCUMENT/REPORT NO.:
FIGURE 5.5**

D-03

APPENDIX 5

Groundwater Restoration Maps



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“CHRISTENSEN RANCH
RESTORATION LOCATION MAP OF
MINE UNITS 2 THRU 6.”
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D-04

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MAP ID:

**N:\IRIGARAY\ENVIRO\IR69RES.DWG,
“IRIGARAY LOCATION MAP
PRODUCTION UNITS 1 - 9.”**

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MAP ID:

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D-05

APPENDIX 6

Piezometric Contour Maps

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"CHRISTENSEN RANCH SHALLOW
ZONE PIEZOMETRIC MAP MINE
UNITS 2 THRU 6"**

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D-06

CHRISTENSEN RANCH PROJECT
SHALLOW ZONE PIEZOMETRIC ELEVATIONS

June 2005

Well #	Piezometric Elev
MU2	
MW068S	4523.0
MW070S	4550.3
MW072S	4556.4
MW092S	4571.1
MW094S	4550.7
MW096S	4567.2
MW098S	4557.5
MW100S	4555.0
MW112S	4552.9
MW117S	4530.9
MU3	
MW46S	4551.0
MW48S	4553.1
MW50S	4553.9
MW52S	4547.5
MW54S	4558.1
MW56S	4555.4
MW58S	4566.3
MW66S-2	4571.3
MU4	
4SM-01	4607.3
4SM-04	4594.3
4SM-08	4590.5
4SRM-07	4578.2
MU5	
5SM1	4628.0
5SM2	4673.8
5SM3	4672.9
5SM5	4682.9
5SM6	4667.8
5SM7	4662.2
MW-11S	4637.8
WCOW-04	4636.0
MU6	
6SM01	4701.5
6SM02	4706.6
6SM03	4717.6
6SM04	4717.2
6SM05	4706.4
6SM06	4690.3
6SM07	4690.1
6SM08	4730.2
6SM09	4730.5
6SM10	4699.4
6SM11	4730.0
6SM12	4729.7
6SM13	4730.7
6SM14	4703.0

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"CHRISTENSEN RANCH ORE ZONE
PIEZOMETRIC MAP MINE UNITS 2
THRU 6"**

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D-07

CHRISTENSEN RANCH PROJECT
ORE ZONE PIEZOMETRIC ELEVATIONS

June 2005

Well #	Piezometric Elevations	Well #	Piezometric Elevations	Well #	Piezometric Elevations	Well #	Piezometric Elevations
MU2							
MW073	4535.2	MW41	4541.1	5MW16	4574.9	6MW25	4543.5
MW074	4536.2	MW42	4543.4	5MW18	4573.1	6MW27	4534.2
MW075	4538.0	MW43	4544.2	5MW20	4566.8	6MW29	4538.1
MW076	4533.6	MW44	4535.9	5MW30A	4577.4	6MW31	4514.5
MW077	4532.7	MW45	4538.7	5MW31	4577.8	6MW33	4505.6
MW078	4529.5	MW62	4542.7	5MW32A	4575.8	6MW34	4545.8
MW078T	4521.0	MW63	4544.5	5MW33	4579.3	6MW35	4507.2
MW079	4545.2	MW64	4547.0	5MW34	4577.1	6MW36	4546.7
MW080	4548.7	MW114	4529.5	5MW35A	4580.5	6MW37	4508.3
MW081	4535.6	MW115	4529.5	5MW36	4578.5	6MW38	4543.6
MW082	4520.5	MW116	4525.6	5MW37	4586.3	6MW39	4511.8
MW083	4523.3	3F10-1	4533.7	5MW38	4578.8	6MW40	4541.8
MW084	4511.7	3J25-2	4536.1	5MW39A	4583.6	6MW41	4505.5
MW085	4516.0	3W66-2	4537.3	5MW40	4579.5	6MW42	4541.8
MW086	4533.3	MU4		5MW41A	4586.2	6MW43	4501.6
MW087	4520.3	4MW-01	4544.6	5MW42	4581.0	6MW44	4533.5
MW087T	4528.5	4MW-02	4545.9	5MW43	4583.3	6MW45	4499.5
MW088	4526.1	4MW-03	4544.8	5MW44	4580.7	6MW46	4533.5
MW089	4528.8	4MW-04	4548.6	5MW45	4588.4	6MW47	4499.5
MW090	4522.0	4MW-05	4546.0	5MW46	4579.2	6MW48-3	4534.2
MW101	4520.7	4MW-06	4551.2	5MW47B	4592.1	6MW49	4497.6
MW102	4518.9	4MW-07	4547.9	5MW48	4584.3	6MW50	4526.8
MW103	4519.6	4MW-08	4551.7	5MW49	4591.9	6MW51	4505.4
MW104	4516.7	4MW-09	4549.3	5MW50	4579.3	6MW52	4529.3
MW105	4515.8	4MW-10	4552.4	5MW51	4596.8	6MW53	4521.6
MW106	4517.8	4MW-11	4551.6	5MW52	4585.3	6MW54	4528.2
MW107	4517.7	4MW-12	4549.6	5MW53	4593.4	6TW1	4533.6
MW108	4516.5	4MW-13	4552.9	5MW54	4585.3	6TW2	4529.8
MW109	4516.6	4MW-14	4556.9	5MW55	4591.1	6TW3	4534.6
MW110	4518.3	4MW-15	4553.6	5MW56	4584.1	6TW4	4525.5
MW111	4513.6	4MW-16	4558.6	5MW57	4590.3	6TW5	4535.5
2AE30-1	4534.6	4MW-17	4555.6	5MW58	4583.7	6AG49-3	4523.31
2S106-2	4520.8	4MW-18	4558.1	5MW59	4587.7	6AK48-3	4528.3
2X54-1	4529.1	4MW-19	4555.5	5MW60	4583.6	6AM41-1	4536.7
2Z35-1	4530.4	4MW-20	4560.9	5MW61	4588.7	6U28-2	4535.5
MU3							
MW17-2	4535.2	4MW-21	4555.6	5MW62	4583.3	6Z28-1	4534.1
MW18	4534.3	4MW-22	4562.0	5MW63	4587.8		
MW19	4533.3	4MW-23	4558.0	5MW64	4583.6		
MW20	4532.6	4MW-24	4561.3	5MW65	4588.2		
MW23	4529.0	4MW-25	4559.8	5MW66	4583.1		
MW24	4522.0	4L36-2	4551.5	5MW67	4587.8		
MW25	4527.6	4Q73-1	4556.9	5MW69	4586.4		
MW26	4529.8	4T110-1	4561.6	5TW-1	4579.0		
MW27	4531.4	MU5		5AG63-1	4582.3		
MW28	4533.9	5MW01	4584.9	5AO60-1	4584.0		
MW29	4535.0	5MW02	4582.0	5AV54-1	4587.2		
MW30	4536.9	5MW03	4584.8	5AV55-1	4587.2		
MW31	4539.7	5MW04	4583.0	5BB45-2	4587.8		
MW32	4539.8	5MW05	4580.0	5BJ55-1	4590.0		
MW35	4538.7	5MW06	4583.2	5BP155-1	4581.4		
MW36	4541.4	5MW07	4578.8	5BR117-1	4588.1		
MW37	4537.1	5MW08	4581.8	MU6			
MW38	4536.1	5MW10	4582.7	6MW17-2	4543.6		
MW39	4536.2	5MW12	4577.0	6MW19	4540.9		
MW40	4536.4	5MW14	4576.1	6MW21	4534.6		
				6MW23	4541.2		

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PIEZOMETRIC MAP MINE UNITS 2
THRU 6"**

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D-08

CHRISTENSEN RANCH PROJECT
DEEP ZONE PIEZOMETRIC ELEVATIONS

June 2005

Well #	Piezometric Elev
MU2	
MW067D	4526.1
MW069D	4527.6
MW071D	4529.8
MW091D	4522.8
MW093D	4521.5
MW095D	4521.6
MW097D	4521.1
MW099D	4518.1
MW113D	4518.5
MU3	
MW45D	4529.6
MW47D	4531.6
MW49D	4533.3
MW51D	4527.8
MW53D	4535.8
MW55D	4535.2
MW57D	4547.7
MW65D	4544.5
MU4	
4DM-01	4561.2
4DM-04	4551.4
4DM-08	4546.0
4DRM-07	4556.0
MU5	
5DM1A	4597.4
5DM2	4591.2
5DM3	4590.7
5DM4	4595.9
5DM5	4593.4
5DM7	4590.9
5DM8T	4584.4
5DM9T	4584.2
MW-12D	4592.8
WCOW-37	4591.0
MU6	
6DM01	4528.0
6DM02	4527.5
6DM03-2	4526.9
6DM04-2	4527.5
6DM05	4526.8
6DM06	4532.3
6DM07	4541.3
6DM08	4536.2
6DM09	4534.7
6DM10	4535.1
6DM11	4547.0
6DM12	4547.8
6DM13	4545.2
6DM14	4534.1
6DT01	4529.0

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ZONE PIEZOMETRIC MAP
PRODUCTION UNITS 1 - 9”
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D-09

IRIGARAY PROJECT
SHALLOW ZONE PIEZOMETRIC ELEVATIONS
JUNE 2005

Well #	Piezometric Eleva
SSM02	4,309.9
SSM03	4,311.7
SSM04	4,302.8
SSM05	4,312.7
SSM06	4,312.1
SSM07	4,312.4
SSM08	4,312.3
SSM09	4,318.6
SSM10	4,314.2
SSM11	4,316.0
SSM18	4,315.0
SSM19	4,315.7
SSM34	4,315.5
SSM35	4,316.0
SSM36	4,317.6
SSM37	4,311.8
SSM38	4,314.0
SSM39	4,312.4
SSM40	4,317.4
SSM41	4,336.4
SSM42	4,304.1
SSM43	4,311.0

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PIEZOMETRIC MAP PRODUCTION
UNITS 1 - 9”**

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D-10

IRIGARAY PROJECT
COAL ZONE PIEZOMETRIC ELEVATIONS
JUNE 2005

Well #	Piezo Elevation
SM01	4,306.1
SM02	4,306.4
SM04	4,306.2
SM09	4,308.0
SM10	4,312.7
SM11	4,312.0
SM15	4,318.1
SM16	4,313.3
SM17	4,305.7
SM18	4,313.9
SM19	4,312.2
SM23	4,314.3
SM24	4,314.1
SM25	4,318.4
SM26	4,313.4
SM27	4,316.5
SM28	4,306.3

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PIEZOMETRIC MAP PRODUCTION
UNITS 1 - 9”**

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D-11

IRIGARAY PROJECT
ORE ZONE PIEZOMETRIC ELEVATIONS
JUNE 2005

Well #	Piezometric Elevation	Well #	Piezometric Elevation
16-151	4,323.5	T03	4,304.1
AP05	4,308.9	T08	4,305.5
FI40	4,309.2	T12	4,299.5
GI76	4,309.7	T18	4,310.3
HI50	4,312.1	T24	4,305.2
JI57	4,315.7	T25	4,302.0
KI86	4,304.2	T26	4,309.1
LI03	4,318.8	T27	4,313.0
LI118	4,320.1	T31	4,296.0
LP43	4,318.3	T32	4,306.8
M02	4,297.3	T33	4,309.8
M04	4,310.2	T34	4,315.1
M07	4,309.8	T35	4,308.5
M10	4,302.4	T36	4,310.2
M17	4,323.1	T38	4,312.6
M18	4,310.3	T39	4,313.1
M19	4,311.2	T40	4,313.9
M23	4,314.9	T41	4,313.4
M24	4,316.3	T43	4,314.4
M25	4,307.7	T44	4,315.0
M26	4,314.7	T46	4,316.1
M27	4,310.5	T47	4,315.4
M28	4,319.6	T48	4,317.0
M29	4,317.5	T49	4,316.4
M30	4,322.9	T50	4,319.7
M31	4,319.1	T52	4,320.7
M32	4,325.4	T54	4,322.0
M33	4,319.1	T55	4,317.2
RS19	4,305.5	T56	4,323.5
RS27	4,307.1	T57	4,320.0
RS34	4,302.7	T58	4,323.6
RS39	4,306.5	T59	4,319.8
RS84	4,308.6	T61	4,321.7

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PIEZOMETRIC MAP PRODUCTION
UNITS 1 - 9”**

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D-12

IRIGARAY PROJECT
DEEP ZONE PIEZOMETRIC ELEVATIONS
JUNE 2005

Well #	Piezo Elvtn
DM01	4,313.5
DM02	4,305.7
DM03	4,310.1
DM04	4,308.8
DM05	4,301.7
DM09	4,312.8
DM10	4,318.2
DM11	4,313.9
DM13	4,320.0
DM14	4,317.3
DM15	4,322.8
DM16	4,320.5
DM17	4,313.6
DM18	4,309.0
DM19	4,306.7
DM20	4,313.4
DM21	4,320.1
DM22	4,317.9