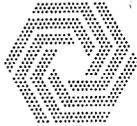


Rec'd 7-6-00



**COGEMA**  
Mining, Inc.

June 28, 2000

**LICENSE SUA-1341  
DOCKET NO. 40-8502**

Mr. Daniel Gillen, Chief  
Uranium Recovery Section  
Division of Fuel Cycle Safety and Safeguards  
Mail Stop T7J9  
Nuclear Regulatory Commission  
Washington, D.C. 20555

**RE: Quarterly Progress Report of Monitor Wells on Excursion Status  
Excursion Removal Report of Monitor Well MW89**

Dear Mr. Gillen:

The second page of this letter is an Excursion Progress Report, as required by License Section 11.2 and 12.2, summarizing the 7 monitor wells which remained on excursion status during the second quarter of 2000. These wells are all located at the Irigaray Project. The third page of this letter, is an Excursion Removal Report for monitor well MW89 which has been removed from excursion status. This well is located at the Christensen Project.

The attached tables list the weekly sample analysis data and water level elevations for each well. Note that the values in bold exceed their respective UCL.

Please contact me if you have any questions regarding either of these reports.

Sincerely,

John Vaselin  
Radiation Safety Officer

cc: Division Director/NRC, Arlington, TX  
Wayne Heili/COGEMA

*Not for Public*

## **EXCURSION PROGRESS REPORT**

### Interior Unit 1 Sand Monitor Wells

SSM3 (Production Unit 2) has been on excursion status since August 28, 1996. A small net increase was noted in conductivity, while chloride and alkalinity showed no significant net changes at the end of the quarter. On June 26, chloride was 56.3 (UCL 38.5), conductivity was 1809 (UCL 1451) and alkalinity was 152.6 (UCL 219.1). Note that monitor wells SSM3, SSM41, SSM42 and SSM43 are all located in restored mine units, therefore, no corrective actions have been taken.

SSM18 (Production Unit 8) has been on excursion status since September 11, 1996. A net increase was noted in conductivity, while chloride and alkalinity showed no significant net change at the end of the quarter. On June 26, chloride was 18.7 (UCL 14.7), conductivity was 1772 (UCL 1849) and alkalinity was 152.4 (UCL 119.4). Note that monitor wells SSM18, SSM40 and DM10 are all located in Mine Units 6-8, which are currently in restoration. Therefore, no corrective actions have been taken.

SSM40 (Production Unit 8) has been on excursion status since March 6, 1994. Small net increases were noted in conductivity and alkalinity, while chloride showed no significant net change at the end of the quarter. On June 26, chloride was 14.9 (UCL 13.6), conductivity was 1543 (UCL 1672) and alkalinity was 117.7 (UCL 109.2).

SSM41 (Production Unit 4) has been on excursion status since November 17, 1998. Conductivity showed a small net increase, while chloride and alkalinity showed no significant net change, at the end of the quarter. On June 26, chloride was 33.6 (UCL 24.9), conductivity was 2467 (UCL 2566) and alkalinity was 132.9 (UCL 126.8).

SSM42 (Production Unit 3) has been on excursion status since October 10, 1990. All three excursion parameters showed a small net increase at the end of the quarter. On June 26, chloride was 59.0 (UCL 23.3), conductivity was 2338 (UCL 1571) and alkalinity was 142.7 (UCL 213.2).

SSM43 (Production Unit 1) has been on excursion status since October 11, 1989. All three excursion parameters showed a small net increase at the end of the quarter. On June 26, chloride was 32.9 (UCL 25.6), conductivity was 1736 (UCL 1456) and alkalinity was 148.5 (UCL 170.4).

### Interior Deep Sand Monitor Wells

DM10 (Production Unit 6) has been on excursion status since February 2, 1994. Conductivity and alkalinity showed a net decrease, while chloride showed no significant net change, at the end of the quarter. On June 26, chloride was 19.7 (UCL 16.4), conductivity was 756 (UCL 606) and alkalinity was 173.0 (UCL 107.5).

Mr. D. Gillen  
June 28, 2000  
Page 3 of 3

## **EXCURSION REMOVAL REPORT**

Monitor MW89 has been on excursion status since October 5, 1999. All three excursion parameters showed a net decrease at the end of the quarter. On June 26, chloride was 15.0 (UCL 13.6), conductivity was 745 (UCL 823) and alkalinity was 115.8 (UCL 121.3). Corrective recovery pumping succeeded in lowering the alkalinity concentration below its UCL, allowing the well to be reported off excursion status.

As per license Section 11.2, an excursion status is considered contained when not more than one upper control limit (UCL) is exceeded for three consecutive weekly samples. Monitor well MW89 met this condition as of 6-12-00, however, COGEMA decided to wait till the end of the quarter to report it off excursion status. This allowed additional sample data to be evaluated. MW89 is a perimeter ore zone monitor well located approximately 500 feet south of the Mine Unit 2 boundary, at the Christensen Project.

COGEMA Mining, Inc.  
 MONITOR WELLS ON EXCURSION STATUS  
 Second Calendar Quarter of 2000  
 Page 1 of 3

<b>Monitor Well ID # : SSM3                      Location: Irigaray Mine, PU#2</b>						
Sample Date	CL mg/l UCL 38.5	Cond. umhos UCL 1451	Alk. mg/l UCL 219.1	pH	Water Level Elevation	U308 mg/l
4-04-00	54.9	1781	151.5	7.8	4306.7	<0.4
4-11-00	55.9	1780	152.8	7.8	4306.6	<0.4
4-18-00	55.5	1759	153.1	7.8	4306.6	<0.4
4-25-00	55.0	1760	150.8	7.8	4306.7	<0.4
5-02-00	56.2	1780	147.3	7.8	4306.8	<0.4
5-08-00	56.4	1766	146.9	7.8	4306.7	<0.4
5-16-00	55.2	1771	149.9	7.8	4306.5	<0.4
5-23-00	55.0	1792	145.9	7.9	4306.5	<0.4
5-31-00	56.8	1762	148.9	7.8	4306.2	<0.4
6-05-00	56.4	1782	148.4	7.9	4306.0	<0.4
6-12-00	57.4	1779	158.7	7.8	4305.7	<0.4
6-19-00	56.2	1799	152.2	7.8	4305.8	<0.4
6-26-00	56.3	1809	152.6	7.7	4305.7	<0.4

<b>Monitor Well ID # : SSM18                      Location: Irigaray Mine, PU#8</b>						
Sample Date	CL mg/l UCL 14.7	Cond. umhos UCL 1849	Alk. mg/l UCL 119.4	pH	Water Level Elevation	U308 mg/l
4-04-00	18.8	1749	152.2	8.0	4310.4	<0.4
4-11-00	19.2	1751	153.7	7.9	4310.4	<0.4
4-18-00	19.0	1741	154.6	7.7	4310.5	<0.4
4-25-00	19.1	1743	154.3	7.7	4310.5	<0.4
5-02-00	18.8	1734	144.8	7.8	4310.6	<0.4
5-08-00	19.4	1737	148.2	7.7	4310.4	<0.4
5-16-00	18.6	1738	149.7	7.7	4310.4	<0.4
5-23-00	19.3	1772	148.1	7.8	4310.4	<0.4
5-31-00	18.1	1743	150.6	7.7	4310.3	<0.4
6-05-00	20.1	1757	156.6	7.8	4310.0	<0.4
6-12-00	19.1	1754	154.6	7.8	4310.0	<0.4
6-19-00	19.1	1757	154.2	7.7	4309.8	<0.4
6-26-00	18.7	1772	152.4	7.7	4309.7	<0.4

<b>Monitor Well ID # : SSM40                      Location: Irigaray Mine, PU#8</b>						
Sample Date	CL mg/l UCL 13.6	Cond. umhos UCL 1672	Alk. mg/l UCL 109.2	pH	Water Level Elevation	U308 mg/l
4-04-00	14.0	1528	109.8	8.2	4312.2	<0.4
4-11-00	14.4	1523	105.4	8.3	4312.2	<0.4
4-18-00	13.9	1505	111.0	8.0	4312.1	<0.4
4-25-00	14.0	1512	110.9	8.0	4312.2	<0.4
5-02-00	14.3	1519	107.4	8.0	4312.3	<0.4
5-08-00	14.4	1523	107.8	8.0	4312.2	<0.4
5-16-00	14.1	1518	111.2	8.0	4312.1	<0.4
5-23-00	14.3	1537	108.0	8.0	4312.1	<0.4
5-31-00	14.8	1551	110.6	8.0	4311.9	<0.4
6-05-00	16.2	1592	111.9	8.0	4311.7	<0.4
6-12-00	13.9	1526	109.9	8.0	4311.6	<0.4
6-19-00	14.2	1553	112.4	8.0	4311.5	<0.4
6-26-00	14.9	1543	117.7	8.0	4311.4	<0.4

COGEMA Mining, Inc.  
 MONITOR WELLS ON EXCURSION STATUS  
 Second Calendar Quarter of 2000  
 Page 2 of 3

<b>Monitor Well ID # : SSM41                      Location: Irigaray Mine, PU#4</b>						
Sample Date	CL mg/l UCL 24.9	Cond. umhos UCL 2566	Alk. mg/l UCL 126.8	pH	Water Level Elevation	U308 mg/l
4-04-00	32.5	2433	129.8	7.9	4306.6	<0.4
4-11-00	33.8	2433	131.3	8.1	4306.5	<0.4
4-18-00	33.8	2406	136.0	7.8	4306.5	<0.4
4-25-00	33.9	2417	136.6	7.8	4306.7	<0.4
5-02-00	33.0	2425	123.7	7.8	4306.7	<0.4
5-08-00	34.8	2421	130.4	7.7	4306.6	<0.4
5-16-00	34.7	2426	134.9	7.7	4306.4	<0.4
5-23-00	33.4	2450	128.3	7.9	4306.4	<0.4
5-31-00	34.9	2412	133.3	7.8	4306.2	<0.4
6-05-00	34.5	2426	129.6	7.8	4306.0	<0.4
6-12-00	33.4	2427	132.0	7.8	4305.8	<0.4
6-19-00	34.7	2454	137.9	7.8	4305.8	<0.4
6-26-00	33.6	2467	132.9	7.7	4305.7	<0.4

<b>Monitor Well ID # : SSM42                      Location: Irigaray Mine, PU#3</b>						
Sample Date	CL mg/l UCL 23.3	Cond. umhos UCL 1571	Alk. mg/l UCL 213.2	pH	Water Level Elevation	U308 mg/l
4-04-00	56.5	2281	137.2	7.8	4302.4	<0.4
4-11-00	59.3	2286	141.9	7.9	4302.3	<0.4
4-18-00	58.8	2260	145.5	7.8	4302.2	<0.4
4-25-00	56.3	2248	135.9	7.9	4302.3	<0.4
5-02-00	57.9	2282	132.3	7.8	4303.0	<0.4
5-08-00	57.3	2265	132.0	7.8	4302.4	<0.4
5-16-00	56.8	2246	137.4	7.8	4302.3	<0.4
5-23-00	56.7	2278	133.6	7.9	4302.3	<0.4
5-31-00	58.1	2260	138.3	7.8	4302.0	<0.4
6-05-00	58.3	2293	135.8	7.9	4301.9	<0.4
6-12-00	57.7	2292	138.5	7.8	4301.7	<0.4
6-19-00	58.3	2315	139.5	7.8	4301.6	<0.4
6-26-00	59.0	2338	142.7	7.7	4301.5	<0.4

<b>Monitor Well ID # : SSM43                      Location: Irigaray Mine, PU#1</b>						
Sample Date	CL mg/l UCL 25.6	Cond. umhos UCL 1456	Alk. mg/l UCL 170.4	pH	Water Level Elevation	U308 mg/l
4-04-00	34.8	1717	138.4	8.0	4305.5	<0.4
4-11-00	35.5	1717	138.7	8.2	4305.3	<0.4
4-18-00	35.0	1696	143.2	8.1	4305.3	<0.4
4-25-00	34.2	1691	137.1	8.0	4305.5	<0.4
5-02-00	35.8	1714	134.8	7.9	4305.5	<0.4
5-08-00	35.8	1707	135.5	8.0	4305.4	<0.4
5-16-00	34.6	1704	137.9	8.0	4305.3	<0.4
5-23-00	35.0	1709	134.7	8.0	4305.2	<0.4
5-31-00	35.1	1700	134.9	7.8	4305.0	<0.4
6-05-00	37.4	1714	142.0	8.0	4304.7	<0.4
6-12-00	35.1	1714	140.0	8.0	4304.6	<0.4
6-19-00	34.9	1727	138.9	8.0	4304.5	<0.4
6-26-00	32.9	1736	148.5	7.9	4304.5	<0.4

COGEMA Mining, Inc.  
 MONITOR WELLS ON EXCURSION STATUS  
 Second Calendar Quarter of 2000  
 Page 3 of 3

<b>Monitor Well ID # : DM10</b>		<b>Location: Irigaray Mine, PU#6</b>				
Sample Date	CL mg/l UCL 16.4	Cond. umhos UCL 606	Alk. mg/l UCL 107.5	pH	Water Level Elevation	U308 mg/l
4-04-00	19.8	776	181.7	8.3	4263.9	<0.4
4-11-00	20.4	768	179.5	8.4	4264.9	<0.4
4-18-00	21.4	776	184.7	8.1	4273.3	<0.4
4-25-00	20.8	781	194.4	8.2	4275.1	<0.4
5-02-00	21.4	788	182.7	8.2	4272.1	<0.4
5-08-00	20.7	763	177.6	8.2	4265.2	<0.4
5-16-00	22.4	782	203.4	8.1	4272.6	<0.4
5-23-00	20.7	779	178.8	8.2	4270.8	<0.4
5-31-00	19.4	742	170.0	8.2	4264.9	<0.4
6-05-00	21.2	766	184.4	8.2	4265.9	<0.4
6-12-00	20.0	749	179.4	8.1	4264.5	<0.4
6-19-00	19.3	751	172.6	8.3	4263.0	<0.4
6-26-00	19.7	756	173.0	8.2	4261.3	<0.4

MONITOR WELLS REMOVED FROM EXCURSION STATUS

<b>Monitor Well ID # : MW89</b>		<b>Location: Christensen Mine, MU#2</b>				
Sample Date	CL mg/l UCL 13.6	Cond. umhos UCL 823	Alk. mg/l UCL 121.3	pH	Water Level Elevation	U308 mg/l
4-03-00	16.4	755	124.5	8.2	4502.6	<0.4
4-10-00	15.4	743	120.8	8.3	4515.6	<0.4
4-17-00	15.8	729	124.8	8.3	4514.8	<0.4
4-24-00	15.2	737	116.6	8.4	4507.1	<0.4
5-01-00	15.9	744	118.8	8.4	4500.0	<0.4
5-08-00	15.8	727	117.0	8.4	4506.3	<0.4
5-15-00	15.7	741	115.4	8.3	4507.5	<0.4
5-22-00	16.3	743	122.3	8.4	4506.9	<0.4
5-30-00	15.2	735	115.0	8.4	4506.2	<0.4
6-05-00	14.8	722	113.9	8.5	4507.1	<0.4
6-12-00	15.2	733	116.6	8.4	4506.5	<0.4
6-19-00	15.0	734	115.7	8.4	4505.8	<0.4
6-26-00	15.0	745	115.8	8.3	4500.5	<0.4