



COGEMA
Mining, Inc.

October 2, 2000

LICENSE SUA-1341
DOCKET NO. 40-8502

Mr. Phillip Ting, Chief
Fuel Cycle Licensing Branch
Division of Fuel Cycle Safety and Safeguards, NMSS
U. S. Nuclear Regulatory Commission
Mail Stop 8A33
Washington, D.C. 20555

**RE: Quarterly Progress Report of Monitor Wells on Excursion Status
Excursion Removal Report of Monitor Well M2**

Dear Mr. Ting:

The second page of this report 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 third quarter of 2000. These wells are all located at the Irigaray Project. The third page of this report, is an Excursion Removal Report for monitor well M2 which has been removed from excursion status. This well is also located at the Irigaray 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 Vaselein
Radiation Safety Officer

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

*Rec'd
10/18/00
REP*

NMSSD Public

EXCURSION PROGRESS REPORT

Interior Unit 1 Sand Monitor Wells

Note that all of these monitor wells are all located in restored mine units, therefore, no corrective actions have been taken.

SSM3 (Production Unit 2) has been on excursion status since August 28, 1996. No significant net change was noted in the excursion parameters at the end of the quarter. On September 28, chloride was 56.1 (UCL 38.5), conductivity was 1803 (UCL 1451) and alkalinity was 154.2 (UCL 219.1).

SSM18 (Production Unit 8) has been on excursion status since September 11, 1996. No significant net change was noted in the excursion parameters at the end of the quarter. On September 28, chloride was 18.9 (UCL 14.7), conductivity was 1783 (UCL 1849) and alkalinity was 157.9 (UCL 119.4).

SSM40 (Production Unit 8) has been on excursion status since March 6, 1994. A large increase was noted in conductivity, while chloride and alkalinity showed no significant net change at the end of the quarter. On September 28, chloride was 14.6 (UCL 13.6), conductivity was 1602 (UCL 1672) and alkalinity was 114.9 (UCL 109.2).

SSM41 (Production Unit 4) has been on excursion status since November 17, 1998. No significant net change was noted in the excursion parameters at the end of the quarter. On September 28, chloride was 34.3 (UCL 24.9), conductivity was 2457 (UCL 2566) and alkalinity was 137.1 (UCL 126.8).

SSM42 (Production Unit 3) has been on excursion status since October 10, 1990. Chloride and alkalinity showed a net decrease, while conductivity showed no significant net change at the end of the quarter. On September 28, chloride was 56.0 (UCL 23.3), conductivity was 2326 (UCL 1571) and alkalinity was 134.3 (UCL 213.2).

SSM43 (Production Unit 1) has been on excursion status since October 11, 1989. No significant net change was noted in the excursion parameters at the end of the quarter. On September 28, chloride was 34.7 (UCL 25.6), conductivity was 1723 (UCL 1456) and alkalinity was 141.6 (UCL 170.4).

Interior Deep Sand Monitor Wells

DM10 (Production Unit 6) has been on excursion status since February 2, 1994. All three excursion parameters showed a large net increase at the end of the quarter. On September 28, chloride was 26.8 (UCL 16.4), conductivity was 880 (UCL 606) and alkalinity was 224.1 (UCL 107.5). Note that DM10 is located in Mine Unit 6, which is currently in restoration. Therefore, no corrective action has been taken.

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EXCURSION REMOVAL REPORT

Monitor M2 has been on excursion status since August 7, 2000. Chloride and alkalinity showed a net decrease while conductivity showed a net increase at the end of the quarter. On September 28, chloride was 16.3 (UCL 18.0), conductivity was 790 (UCL 685) and alkalinity was 88.9 (UCL 131.1). Corrective recovery pumping succeeded in lowering the chloride 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 M2 met this condition as of September 5, 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. M2 is a perimeter ore zone monitor well located approximately 300 feet east of the Production Unit 2 boundary, at the Irigaray Project.

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 MONITOR WELLS ON EXCURSION STATUS
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Monitor Well ID # : SSM3 Location: Irigaray Mine, PU#2						
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
7-05-00	56.5	1793	152.0	7.7	4305.6	<0.4
7-10-00	55.8	1801	153.1	7.8	4305.5	<0.4
7-17-00	55.7	1778	151.2	7.7	4305.5	<0.4
7-24-00	55.8	1787	151.4	7.7	4305.4	<0.4
8-01-00	55.8	1777	150.8	7.7	4305.4	<0.4
8-07-00	56.3	1788	151.2	7.7	4305.2	<0.4
8-15-00	56.9	1804	155.5	7.8	4304.8	<0.4
8-21-00	56.5	1784	142.8	7.3	4304.4	<0.4
8-28-00	56.1	1796	151.6	7.8	4304.3	<0.4
9-05-00	54.5	1804	151.6	7.8	4304.2	<0.4
9-12-00	55.2	1794	152.5	7.8	4304.0	<0.4
9-19-00	55.1	1773	153.1	7.7	4303.9	<0.4
9-28-00	56.1	1803	154.2	7.8	4304.1	<0.4

Monitor Well ID # : SSM18 Location: Irigaray Mine, PU#8						
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
7-05-00	19.8	1787	159.6	7.6	4309.6	<0.4
7-10-00	18.9	1770	153.4	7.8	4309.5	<0.4
7-17-00	19.4	1762	154.6	7.6	4309.4	<0.4
7-24-00	19.1	1751	153.0	7.7	4309.5	<0.4
8-01-00	19.1	1754	152.7	7.6	4309.4	<0.4
8-07-00	19.2	1764	153.5	7.6	4309.3	<0.4
8-15-00	19.2	1763	153.3	7.6	4308.9	<0.4
8-21-00	19.1	1760	151.4	7.6	4308.8	<0.4
8-28-00	19.4	1771	159.3	7.7	4308.5	<0.4
9-05-00	18.9	1784	157.8	7.7	4308.5	<0.4
9-12-00	19.2	1784	158.2	7.7	4308.4	<0.4
9-19-00	18.8	1744	157.2	7.7	4308.3	<0.4
9-28-00	18.9	1783	157.9	7.7	4307.9	<0.4

Monitor Well ID # : SSM40 Location: Irigaray Mine, PU#8						
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
7-05-00	14.1	1524	112.1	7.9	4311.2	<0.4
7-10-00	14.3	1564	111.7	8.0	4311.2	<0.4
7-17-00	14.5	1586	111.3	7.8	4311.2	<0.4
7-24-00	14.2	1529	110.7	7.9	4311.2	<0.4
8-01-00	14.4	1565	111.6	7.8	4311.0	<0.4
8-07-00	14.4	1566	110.8	7.9	4310.9	<0.4
8-15-00	13.9	1518	108.1	7.8	4310.6	<0.4
8-21-00	14.2	1537	108.7	7.8	4310.5	<0.4
8-28-00	14.3	1540	112.4	7.9	4310.2	<0.4
9-05-00	13.5	1543	108.1	7.8	4310.2	<0.4
9-12-00	13.8	1538	110.2	7.9	4310.1	<0.4
9-19-00	13.9	1519	111.2	7.9	4310.0	<0.4
9-28-00	14.6	1602	114.9	8.0	4310.0	<0.4

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Monitor Well ID # : SSM41 Location: Irigaray Mine, PU#4						
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
7-05-00	33.8	2447	133.6	7.7	4305.6	<0.4
7-10-00	33.1	2450	132.7	7.9	4305.5	<0.4
7-17-00	33.9	2427	133.5	7.7	4305.4	<0.4
7-24-00	33.4	2429	132.5	7.8	4305.5	<0.4
8-01-00	33.5	2418	131.5	7.7	4305.3	<0.4
8-07-00	33.7	2435	132.2	7.8	4305.1	<0.4
8-15-00	34.9	2436	137.6	7.7	4304.8	<0.4
8-21-00	33.9	2433	131.9	7.7	4304.5	<0.4
8-28-00	34.6	2455	138.5	7.7	4304.2	<0.4
9-05-00	33.1	2455	132.5	7.7	4304.2	<0.4
9-12-00	33.4	2445	134.0	7.9	4304.1	<0.4
9-19-00	33.4	2409	134.4	7.8	4304.0	<0.4
9-28-00	34.3	2457	137.1	7.8	4304.2	<0.4

Monitor Well ID # : SSM42 Location: Irigaray Mine, PU#3						
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
7-05-00	58.7	2315	141.4	7.7	4301.5	<0.4
7-10-00	58.1	2336	139.2	7.8	4301.5	<0.4
7-17-00	59.0	2309	139.5	7.7	4301.4	<0.4
7-24-00	58.7	2313	139.8	7.7	4301.4	<0.4
8-01-00	58.3	2303	137.7	7.7	4301.5	<0.4
8-07-00	60.8	2321	148.7	7.8	4301.3	<0.4
8-15-00	58.9	2330	137.7	7.9	4301.0	<0.4
8-21-00	57.9	2301	138.0	7.6	4300.7	<0.4
8-28-00	53.1	2296	131.3	7.7	4300.6	<0.4
9-05-00	51.8	2291	129.4	7.6	4300.4	<0.4
9-12-00	51.4	2285	128.9	7.7	4300.3	<0.4
9-19-00	54.6	2282	132.7	7.7	4300.4	<0.4
9-28-00	56.0	2326	134.3	7.8	4300.6	<0.4

Monitor Well ID # : SSM43 Location: Irigaray Mine, PU#1						
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
7-05-00	34.6	1718	146.3	7.9	4304.4	<0.4
7-10-00	34.7	1725	139.5	8.0	4304.3	<0.4
7-17-00	35.3	1711	139.7	7.9	4304.2	<0.4
7-24-00	35.4	1717	140.8	8.0	4304.3	<0.4
8-01-00	34.8	1706	137.5	7.8	4304.1	<0.4
8-07-00	34.8	1716	137.3	7.9	4303.8	<0.4
8-15-00	35.0	1723	137.2	8.0	4303.5	<0.4
8-21-00	36.2	1714	140.4	7.8	4303.2	<0.4
8-28-00	34.7	1731	139.5	7.9	4303.0	<0.4
9-05-00	34.2	1731	139.0	7.9	4303.0	<0.4
9-12-00	35.8	1720	146.6	8.0	4302.9	<0.4
9-19-00	35.8	1698	146.7	8.0	4302.8	<0.4
9-28-00	34.7	1723	141.6	8.0	4303.0	<0.4

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		Monitor Well ID # : DM10		Location: Irigaray Mine, PU#6		
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
7-05-00	18.8	734	168.3	8.1	4264.1	<0.4
7-10-00	19.9	778	182.8	8.2	4265.9	<0.4
7-17-00	21.9	782	190.8	8.2	4267.0	<0.4
7-24-00	21.6	781	186.6	8.2	4254.7	<0.4
8-01-00	23.5	809	198.2	8.2	4253.2	<0.4
8-07-00	22.2	799	191.6	8.1	4249.3	<0.4
8-15-00	22.2	794	192.4	8.1	4246.8	<0.4
8-21-00	22.4	791	183.7	7.7	4245.5	<0.4
8-28-00	23.2	805	193.6	8.3	4248.0	<0.4
9-05-00	24.9	878	214.2	8.3	4249.8	<0.4
9-12-00	25.8	864	217.5	8.3	4249.8	<0.4
9-19-00	26.2	860	222.5	8.3	4244.5	<0.4
9-28-00	26.8	880	224.1	8.2	4248.5	<0.4

MONITOR WELLS REMOVED FROM EXCURSION STATUS

		Monitor Well ID # : M2		Location: Irigaray Mine, PU#2		
Sample Date	CL mg/l UCL 18.0	Cond. umhos UCL 685	Alk. mg/l UCL 131.1	pH	Water Level Elevation	U308 mg/l
8-07-00	18.2	733	105.5	8.3	4239.0	<0.4
8-09-00	19.0	779	98.8	8.5	4241.5	<0.4
8-16-00	19.0	751	106.5	8.3	4235.6	<0.4
8-21-00	17.3	776	86.5	7.4	4239.3	<0.4
8-28-00	16.2	786	90.7	8.5	4244.1	<0.4
9-05-00	16.0	792	88.4	8.8	4249.3	<0.4
9-12-00	16.2	787	89.4	8.9	4248.3	<0.4
9-19-00	16.7	775	92.2	8.6	4250.3	<0.4
9-28-00	16.3	790	88.9	8.4	4248.0	<0.4