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ANALYTICAL SUMMARY REPORT

July 08, 2009

Cogema Mining Inc
935 Pendell Blvd
Mills, WY 82644

Workorder No.: C09060623

Project Name: CR Guideline 8

Energy Laboratories, Inc. received the following 3 samples for Cogema Mining Inc on 6/16/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09060623-001	3 MW 23	06/16/09 00:00	06/16/09	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Conductivity Fluoride E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved
C09060623-002	3 MW 115	06/15/09 00:00	06/16/09	Aqueous	Same As Above
C09060623-003	3 MW 30	06/15/09 00:00	06/16/09	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie D. Waldrop

Stephanie D. Waldrop
Reporting Supervisor

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060623-001
Client Sample ID: 3 MW 23

Report Date: 07/08/09
Collection Date: 06/16/09
DateReceived: 06/16/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	4	mg/L		1		A2320 B	06/19/09 21:21 / ljl
Bicarbonate as HCO3	107	mg/L		1		A2320 B	06/19/09 21:21 / ljl
Calcium	6	mg/L		1		E200.7	06/25/09 00:54 / aae
Chloride	8	mg/L		1		E300.0	06/20/09 09:04 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/24/09 23:26 / ljl
Magnesium	1	mg/L		1		E200.7	06/25/09 00:54 / aae
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 12:51 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/19/09 12:32 / eli-b
Potassium	1	mg/L		1		E200.7	07/01/09 17:10 / cp
Silica	9.4	mg/L		0.2		E200.7	07/01/09 17:10 / cp
Sodium	140	mg/L		1		E200.7	07/01/09 17:10 / cp
Sulfate	195	mg/L		1		E300.0	06/20/09 09:04 / ljl
PHYSICAL PROPERTIES							
Conductivity	656	umhos/cm		1		A2510 B	06/16/09 16:08 / rp
pH	8.92	s.u.		0.01		A4500-H B	06/16/09 16:08 / rp
Solids, Total Dissolved TDS @ 180 C	416	mg/L		10		A2540 C	06/17/09 11:27 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 17:10 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/23/09 22:47 / ts
Barium	ND	mg/L		0.1		E200.8	06/23/09 22:47 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 17:10 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/23/09 22:47 / ts
Chromium	ND	mg/L		0.05		E200.8	06/23/09 22:47 / ts
Copper	ND	mg/L		0.01		E200.8	06/23/09 22:47 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 17:10 / cp
Lead	ND	mg/L		0.001		E200.8	06/23/09 22:47 / ts
Manganese	ND	mg/L		0.01		E200.8	06/23/09 22:47 / ts
Mercury	ND	mg/L		0.001		E200.8	06/23/09 22:47 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/23/09 22:47 / ts
Nickel	ND	mg/L		0.05		E200.8	06/23/09 22:47 / ts
Selenium	ND	mg/L		0.001		E200.8	06/23/09 22:47 / ts
Uranium	0.0197	mg/L		0.0003		E200.8	06/23/09 22:47 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/23/09 22:47 / ts
Zinc	ND	mg/L		0.01		E200.8	06/23/09 22:47 / ts
METALS - TOTAL							
Iron	ND	mg/L	D	0.07		E200.7	07/06/09 13:32 / cp
Manganese	ND	mg/L		0.01		E200.7	07/06/09 13:32 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060623-001
Client Sample ID: 3 MW 23

Report Date: 07/08/09
Collection Date: 06/16/09
DateReceived: 06/16/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	30.4	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha precision (±)	3.3	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha MDC	2.9	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta	3.2	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	06/30/09 09:31 / cgr
Radium 226	0.08	pCi/L	U			E903.0	06/30/09 14:39 / jah
Radium 226 precision (±)	0.12	pCi/L				E903.0	06/30/09 14:39 / jah
Radium 226 MDC	0.19	pCi/L				E903.0	06/30/09 14:39 / jah
Radium 228	-0.09	pCi/L	U			RA-05	06/24/09 16:10 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/24/09 16:10 / trs
Radium 228 MDC	1.2	pCi/L				RA-05	06/24/09 16:10 / trs
DATA QUALITY							
A/C Balance (± 5)	2.58	%				Calculation	07/06/09 10:06 / kbh
Anions	6.19	meq/L				Calculation	07/06/09 10:06 / kbh
Cations	6.52	meq/L				Calculation	07/06/09 10:06 / kbh
Solids, Total Dissolved Calculated	421	mg/L				Calculation	07/06/09 10:06 / kbh
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/06/09 10:06 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060623-002
Client Sample ID: 3 MW 115

Report Date: 07/08/09
Collection Date: 06/15/09
DateReceived: 06/16/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	4	mg/L		1		A2320 B	06/19/09 21:29 / ijl
Bicarbonate as HCO3	114	mg/L		1		A2320 B	06/19/09 21:29 / ijl
Calcium	8	mg/L		1		E200.7	06/25/09 01:00 / aae
Chloride	8	mg/L		1		E300.0	06/20/09 09:19 / ijl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/24/09 23:29 / ijl
Magnesium	1	mg/L		1		E200.7	06/25/09 01:00 / aae
Nitrogen, Ammonia as N	0.07	mg/L		0.05		E350.1	06/19/09 12:55 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/19/09 12:33 / eli-b
Potassium	2	mg/L		1		E200.7	07/01/09 17:34 / cp
Silica	9.0	mg/L		0.2		E200.7	07/01/09 17:34 / cp
Sodium	127	mg/L		1		E200.7	07/01/09 17:34 / cp
Sulfate	195	mg/L		1		E300.0	06/20/09 09:19 / ijl
PHYSICAL PROPERTIES							
Conductivity	661	umhos/cm		1		A2510 B	06/16/09 16:09 / rp
pH	8.75	s.u.		0.01		A4500-H B	06/16/09 16:09 / rp
Solids, Total Dissolved TDS @ 180 C	431	mg/L		10		A2540 C	06/17/09 11:28 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 17:34 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/23/09 22:53 / ts
Barium	ND	mg/L		0.1		E200.8	06/23/09 22:53 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 17:34 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/23/09 22:53 / ts
Chromium	ND	mg/L		0.05		E200.8	06/23/09 22:53 / ts
Copper	ND	mg/L		0.01		E200.8	06/23/09 22:53 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 17:34 / cp
Lead	ND	mg/L		0.001		E200.8	06/23/09 22:53 / ts
Manganese	0.02	mg/L		0.01		E200.8	06/23/09 22:53 / ts
Mercury	ND	mg/L		0.001		E200.8	06/23/09 22:53 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/23/09 22:53 / ts
Nickel	ND	mg/L		0.05		E200.8	06/23/09 22:53 / ts
Selenium	ND	mg/L		0.001		E200.8	06/23/09 22:53 / ts
Uranium	0.0242	mg/L		0.0003		E200.8	06/23/09 22:53 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/23/09 22:53 / ts
Zinc	0.03	mg/L		0.01		E200.8	06/23/09 22:53 / ts
METALS - TOTAL							
Iron	ND	mg/L	D	0.07		E200.7	07/06/09 13:44 / cp
Manganese	ND	mg/L		0.01		E200.7	07/06/09 13:44 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060623-002
Client Sample ID: 3 MW 115

Report Date: 07/08/09
Collection Date: 06/15/09
DateReceived: 06/16/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	38.7	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha precision (±)	3.6	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha MDC	2.9	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta	6.4	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	06/30/09 09:31 / cgr
Radium 226	-0.002	pCi/L	U			E903.0	06/30/09 14:39 / jah
Radium 226 precision (±)	0.11	pCi/L				E903.0	06/30/09 14:39 / jah
Radium 226 MDC	0.20	pCi/L				E903.0	06/30/09 14:39 / jah
Radium 228	-0.2	pCi/L	U			RA-05	06/24/09 16:10 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/24/09 16:10 / trs
Radium 228 MDC	1.3	pCi/L				RA-05	06/24/09 16:10 / trs
DATA QUALITY							
A/C Balance (± 5)	-1.84	%				Calculation	07/06/09 10:06 / kbh
Anions	6.31	meq/L				Calculation	07/06/09 10:06 / kbh
Cations	6.08	meq/L				Calculation	07/06/09 10:06 / kbh
Solids, Total Dissolved Calculated	413	mg/L				Calculation	07/06/09 10:06 / kbh
TDS Balance (0.80 - 1.20)	1.04					Calculation	07/06/09 10:06 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060623-003
Client Sample ID: 3 MW 30

Report Date: 07/08/09
Collection Date: 06/15/09
DateReceived: 06/16/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	4	mg/L		1		A2320 B	06/19/09 21:36 / ijl
Bicarbonate as HCO3	116	mg/L		1		A2320 B	06/19/09 21:36 / ijl
Calcium	7	mg/L		1		E200.7	06/25/09 01:05 / aae
Chloride	8	mg/L		1		E300.0	06/20/09 09:34 / ijl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/24/09 23:32 / ijl
Magnesium	ND	mg/L		1		E200.7	06/25/09 01:05 / aae
Nitrogen, Ammonia as N	0.05	mg/L		0.05		E350.1	06/19/09 12:56 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/19/09 12:34 / eli-b
Potassium	1	mg/L		1		E200.7	07/01/09 17:38 / cp
Silica	9.7	mg/L		0.2		E200.7	07/01/09 17:38 / cp
Sodium	142	mg/L		1		E200.7	07/01/09 17:38 / cp
Sulfate	195	mg/L		1		E300.0	06/20/09 09:34 / ijl
PHYSICAL PROPERTIES							
Conductivity	661	umhos/cm		1		A2510 B	06/16/09 16:11 / rp
pH	8.75	s.u.		0.01		A4500-H B	06/16/09 16:11 / rp
Solids, Total Dissolved TDS @ 180 C	417	mg/L		10		A2540 C	06/17/09 11:31 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 17:38 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/23/09 23:00 / ts
Barium	ND	mg/L		0.1		E200.8	06/23/09 23:00 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 17:38 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/23/09 23:00 / ts
Chromium	ND	mg/L		0.05		E200.8	06/23/09 23:00 / ts
Copper	ND	mg/L		0.01		E200.8	06/23/09 23:00 / ts
Iron	0.05	mg/L		0.03		E200.7	07/01/09 17:38 / cp
Lead	ND	mg/L		0.001		E200.8	06/23/09 23:00 / ts
Manganese	ND	mg/L		0.01		E200.8	06/23/09 23:00 / ts
Mercury	ND	mg/L		0.001		E200.8	06/23/09 23:00 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/23/09 23:00 / ts
Nickel	ND	mg/L		0.05		E200.8	06/23/09 23:00 / ts
Selenium	ND	mg/L		0.001		E200.8	06/23/09 23:00 / ts
Uranium	0.0005	mg/L		0.0003		E200.8	06/23/09 23:00 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/23/09 23:00 / ts
Zinc	ND	mg/L		0.01		E200.8	06/23/09 23:00 / ts
METALS - TOTAL							
Iron	16.6	mg/L	D	0.07		E200.7	06/25/09 13:19 / cp
Manganese	0.16	mg/L		0.01		E200.7	06/25/09 13:19 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060623-003
Client Sample ID: 3 MW 30

Report Date: 07/08/09
Collection Date: 06/15/09
DateReceived: 06/16/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	2.8	pCi/L	U			E900.0	06/30/09 09:31 / cgr
Gross Alpha precision (±)	1.9	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha MDC	2.8	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta	-0.6	pCi/L	U			E900.0	06/30/09 09:31 / cgr
Gross Beta precision (±)	1.6	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	06/30/09 09:31 / cgr
Radium 226	0.24	pCi/L				E903.0	06/30/09 14:39 / jah
Radium 226 precision (±)	0.14	pCi/L				E903.0	06/30/09 14:39 / jah
Radium 226 MDC	0.18	pCi/L				E903.0	06/30/09 14:39 / jah
Radium 228	0.03	pCi/L	U			RA-05	06/24/09 16:10 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/24/09 16:10 / trs
Radium 228 MDC	1.1	pCi/L				RA-05	06/24/09 16:10 / trs
DATA QUALITY							
A/C Balance (± 5)	2.46	%				Calculation	07/06/09 10:06 / kbh
Anions	6.30	meq/L				Calculation	07/06/09 10:06 / kbh
Cations	6.62	meq/L				Calculation	07/06/09 10:06 / kbh
Solids, Total Dissolved Calculated	427	mg/L				Calculation	07/06/09 10:06 / kbh
TDS Balance (0.80 - 1.20)	0.980					Calculation	07/06/09 10:06 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/08/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R119840
Sample ID: MBLK	3	Method Blank				Run: MANTECH_090619A				06/19/09 10:51
Alkalinity, Total as CaCO3		5	mg/L	0.2						
Carbonate as CO3		ND	mg/L	1						
Bicarbonate as HCO3		6	mg/L	1						
Sample ID: LCS1		Laboratory Control Sample				Run: MANTECH_090619A				06/19/09 11:06
Alkalinity, Total as CaCO3		201	mg/L	5.0	98	90	110			
Sample ID: LCS		Laboratory Control Sample				Run: MANTECH_090619A				06/19/09 11:14
Alkalinity, Total as CaCO3		52.3	mg/L	5.0	95	90	110			
Sample ID: C09060451-001AMS		Sample Matrix Spike				Run: MANTECH_090619A				06/19/09 11:41
Alkalinity, Total as CaCO3		201	mg/L	5.0	97	80	120			
Sample ID: C09060451-001AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090619A				06/19/09 11:48
Alkalinity, Total as CaCO3		203	mg/L	5.0	98	80	120	0.7	20	
Method: A2510 B										Analytical Run: ORION555A_090616C
Sample ID: ICV2_090616_3		Initial Calibration Verification Standard								06/16/09 15:32
Conductivity		1390	umhos/cm	1.0	98	90	110			
Method: A2510 B										Batch: 090616_3_PH-W_555A-2
Sample ID: MBLK1_090616_3		Method Blank				Run: ORION555A_090616C				06/16/09 15:28
Conductivity		1.0	umhos/cm	0.2						
Sample ID: C09060621-001ADUP		Sample Duplicate				Run: ORION555A_090616C				06/16/09 15:51
Conductivity		2510	umhos/cm	1.0				0.2	10	
Method: A2540 C										Batch: R119802
Sample ID: MBLK1_		Method Blank				Run: BAL-1_090618C				06/17/09 11:20
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	6						
Sample ID: LCS1_		Laboratory Control Sample				Run: BAL-1_090618C				06/17/09 11:21
Solids, Total Dissolved TDS @ 180 C		990	mg/L	10	99	90	110			
Sample ID: C09060623-002AMS		Sample Matrix Spike				Run: BAL-1_090618C				06/17/09 11:28
Solids, Total Dissolved TDS @ 180 C		2390	mg/L	10	98	90	110			
Sample ID: C09060623-002AMSD		Sample Matrix Spike Duplicate				Run: BAL-1_090618C				06/17/09 11:29
Solids, Total Dissolved TDS @ 180 C		2360	mg/L	10	96	90	110	1.4	10	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/08/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R120067
Sample ID: MBLK-1		Method Blank				Run: MANTECH_090624A				06/24/09 22:25
Fluoride		ND	mg/L	0.05						
Sample ID: LCS-1		Laboratory Control Sample				Run: MANTECH_090624A				06/24/09 22:28
Fluoride		1.02	mg/L	0.10	102	90	110			
Sample ID: C09060623-003AMS		Sample Matrix Spike				Run: MANTECH_090624A				06/24/09 23:35
Fluoride		1.23	mg/L	0.10	103	80	120			
Sample ID: C09060623-003AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090624A				06/24/09 23:38
Fluoride		1.25	mg/L	0.10	105	80	120	1.6	10	
Method: A4500-H B										Analytical Run: ORION555A_090616C
Sample ID: ICV1_090616_3		Initial Calibration Verification Standard								06/16/09 15:30
pH		6.87	s.u.	0.010	100	98	102			
Method: A4500-H B										Batch: 090616_3_PH-W_555A-2
Sample ID: C09060621-001ADUP		Sample Duplicate				Run: ORION555A_090616C				06/16/09 15:51
pH		7.63	s.u.	0.010				0.3	10	
Method: E300.0										Batch: R119880
Sample ID: LCS	2	Laboratory Control Sample				Run: IC1-C_090618A				06/18/09 23:25
Chloride		9.78	mg/L	1.0	98	90	110			
Sulfate		38.2	mg/L	1.0	96	90	110			
Sample ID: MBLK	2	Method Blank				Run: IC1-C_090618A				06/18/09 23:40
Chloride		ND	mg/L	0.04						
Sulfate		ND	mg/L	0.1						
Sample ID: C09060623-003AMS	2	Sample Matrix Spike				Run: IC1-C_090618A				06/20/09 09:50
Chloride		28.0	mg/L	1.0	103	90	110			
Sulfate		268	mg/L	1.0	93	90	110			
Sample ID: C09060623-003AMSD	2	Sample Matrix Spike Duplicate				Run: IC1-C_090618A				06/20/09 10:05
Chloride		28.1	mg/L	1.0	104	90	110	0.5	20	
Sulfate		268	mg/L	1.0	93	90	110	0	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/08/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Analytical Run: SUB-B131498	
Sample ID: ICV		Initial Calibration Verification Standard							06/19/09 12:44	
Nitrogen, Ammonia as N		5.57	mg/L	0.11	102	90	110			
Method: E350.1									Batch: B_R131498	
Sample ID: MBLK		Method Blank				Run: SUB-B131498			06/19/09 12:45	
Nitrogen, Ammonia as N		ND	mg/L	0.02						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131498			06/19/09 12:46	
Nitrogen, Ammonia as N		1.03	mg/L	0.10	104	90	110			
Sample ID: B09061643-001EMS		Sample Matrix Spike				Run: SUB-B131498			06/19/09 12:52	
Nitrogen, Ammonia as N		1.02	mg/L	0.050	99	90	110			
Sample ID: B09061643-001EMSD		Sample Matrix Spike Duplicate				Run: SUB-B131498			06/19/09 12:54	
Nitrogen, Ammonia as N		1.00	mg/L	0.050	97	90	110	1.8	10	
Method: E353.2									Analytical Run: SUB-B131478	
Sample ID: ICV		Initial Calibration Verification Standard							06/19/09 10:10	
Nitrogen, Nitrate+Nitrite as N		36.7	mg/L	0.050	104	90	110			
Method: E353.2									Batch: B_R131478	
Sample ID: MBLK		Method Blank				Run: SUB-B131478			06/19/09 10:11	
Nitrogen, Nitrate+Nitrite as N		0.006	mg/L	0.002						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131478			06/19/09 10:13	
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.050	103	90	110			
Sample ID: B09061665-007CMS		Sample Matrix Spike				Run: SUB-B131478			06/19/09 12:30	
Nitrogen, Nitrate+Nitrite as N		1.88	mg/L	0.050	105	90	110			
Sample ID: B09061665-007CMSD		Sample Matrix Spike Duplicate				Run: SUB-B131478			06/19/09 12:31	
Nitrogen, Nitrate+Nitrite as N		1.88	mg/L	0.050	106	90	110	0.1	10	
Sample ID: C09060629-003A		Sample Matrix Spike				Run: SUB-B131478			06/19/09 12:46	
Nitrogen, Nitrate+Nitrite as N		1.26	mg/L	0.050	101	90	110			
Sample ID: C09060629-003A		Sample Matrix Spike Duplicate				Run: SUB-B131478			06/19/09 12:47	
Nitrogen, Nitrate+Nitrite as N		1.26	mg/L	0.050	101	90	110	0.3	10	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/07/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: 22754
Sample ID: MB-22754	2	Method Blank				Run: ICP2-C_090625A				06/25/09 12:14
Iron		ND	mg/L	0.03						
Manganese		ND	mg/L	0.007						
Sample ID: LCS3-22754	2	Laboratory Control Sample				Run: ICP2-C_090625A				06/25/09 12:18
Iron		2.54	mg/L	0.033	102	85	115			
Manganese		2.53	mg/L	0.010	101	85	115			
Sample ID: C09060698-001AMS3	2	Sample Matrix Spike				Run: ICP2-C_090625A				06/25/09 13:27
Iron		5.06	mg/L	0.066	105	70	130			
Manganese		2.71	mg/L	0.013	99	70	130			
Sample ID: C09060698-001AMSD	2	Sample Matrix Spike Duplicate				Run: ICP2-C_090625A				06/25/09 13:31
Iron		5.22	mg/L	0.066	111	70	130	3.2	20	
Manganese		2.83	mg/L	0.013	104	70	130	4.6	20	
Sample ID: MB-22754	2	Method Blank				Run: ICP2-C_090706A				07/07/09 02:31
Iron		ND	mg/L	0.03						
Manganese		ND	mg/L	0.007						
Method: E200.7										Batch: R120096
Sample ID: LRB	2	Method Blank				Run: ICP3-C_090624A				06/24/09 14:24
Calcium		ND	mg/L	0.2						
Magnesium		ND	mg/L	0.2						
Sample ID: LFB	2	Laboratory Fortified Blank				Run: ICP3-C_090624A				06/24/09 14:30
Calcium		48.4	mg/L	0.50	97	85	115			
Magnesium		49.0	mg/L	0.50	98	85	115			
Sample ID: MB-22820	2	Method Blank				Run: ICP3-C_090624A				06/24/09 15:17
Calcium		ND	mg/L	0.2						
Magnesium		ND	mg/L	0.2						
Sample ID: C09060597-004CMS	2	Sample Matrix Spike				Run: ICP3-C_090624A				06/25/09 00:14
Calcium		256	mg/L	1.0	75	70	130			
Magnesium		226	mg/L	1.0	81	70	130			
Sample ID: C09060597-004CMSD	2	Sample Matrix Spike Duplicate				Run: ICP3-C_090624A				06/25/09 00:19
Calcium		259	mg/L	1.0	76	70	130	1	20	
Magnesium		223	mg/L	1.0	80	70	130	1.3	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/07/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120371
Sample ID: MB-090701A	6	Method Blank				Run: ICP2-C_090701A				07/01/09 13:38
Aluminum		ND	mg/L	0.01						
Boron		ND	mg/L	0.03						
Iron		ND	mg/L	0.005						
Potassium		ND	mg/L	0.1						
Silicon		0.03	mg/L	0.01						
Sodium		ND	mg/L	0.2						
Sample ID: LFB-090701A	6	Laboratory Fortified Blank				Run: ICP2-C_090701A				07/01/09 13:42
Aluminum		0.954	mg/L	0.10	95	85	115			
Boron		1.02	mg/L	0.10	102	85	115			
Iron		0.964	mg/L	0.030	96	85	115			
Potassium		45.4	mg/L	0.50	91	85	115			
Silicon		0.472	mg/L	0.015	110	85	115			
Sodium		48.9	mg/L	0.50	98	85	115			
Sample ID: C09060674-001BMS2	6	Sample Matrix Spike				Run: ICP2-C_090701A				07/01/09 17:46
Aluminum		10.4	mg/L	0.32	102	70	130			
Boron		10.1	mg/L	0.28	99	70	130			
Iron		9.68	mg/L	0.055	95	70	130			
Potassium		473	mg/L	1.0	87	70	130			
Silicon		6.53	mg/L	0.15	109	70	130			
Sodium		699	mg/L	2.3	97	70	130			
Sample ID: C09060674-001BMSD	6	Sample Matrix Spike Duplicate				Run: ICP2-C_090701A				07/01/09 17:50
Aluminum		10.5	mg/L	0.32	103	70	130	0.8	20	
Boron		10.1	mg/L	0.28	99	70	130	0.5	20	
Iron		9.50	mg/L	0.055	93	70	130	1.9	20	
Potassium		468	mg/L	1.0	86	70	130	1.1	20	
Silicon		6.43	mg/L	0.15	107	70	130	1.6	20	
Sodium		697	mg/L	2.3	97	70	130	0.3	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/07/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120479
Sample ID: MB-090706A	2	Method Blank				Run: ICP2-C_090706A				07/06/09 11:57
Iron		ND	mg/L	0.005						
Manganese		ND	mg/L	0.001						
Sample ID: LFB-090706A	2	Laboratory Fortified Blank				Run: ICP2-C_090706A				07/06/09 12:01
Iron		0.928	mg/L	0.030	93	85	115			
Manganese		0.922	mg/L	0.010	92	85	115			
Sample ID: C09060623-001DMS2	2	Sample Matrix Spike				Run: ICP2-C_090706A				07/06/09 13:36
Iron		1.94	mg/L	0.067	95	70	130			
Manganese		1.97	mg/L	0.014	96	70	130			
Sample ID: C09060623-001DMSD	2	Sample Matrix Spike Duplicate				Run: ICP2-C_090706A				07/06/09 13:40
Iron		1.91	mg/L	0.067	94	70	130	1.5	20	
Manganese		1.89	mg/L	0.014	93	70	130	4.1	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/07/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R120024
Sample ID: LRB	14	Method Blank				Run: ICPMS2-C_090623A				06/23/09 13:16
Arsenic		ND	mg/L	0.0003						
Barium		ND	mg/L	3E-05						
Cadmium		ND	mg/L	6E-05						
Chromium		0.0001	mg/L	8E-05						
Copper		9E-05	mg/L	4E-05						
Lead		ND	mg/L	2E-05						
Manganese		ND	mg/L	5E-05						
Mercury		ND	mg/L	4E-05						
Molybdenum		ND	mg/L	4E-05						
Nickel		ND	mg/L	9E-05						
Selenium		ND	mg/L	0.001						
Uranium		ND	mg/L	8E-06						
Vanadium		ND	mg/L	9E-05						
Zinc		0.001	mg/L	6E-05						
Sample ID: LFB	14	Laboratory Fortified Blank				Run: ICPMS2-C_090623A				06/23/09 13:23
Arsenic		0.0520	mg/L	0.0010	104	85	115			
Barium		0.0517	mg/L	0.0010	103	85	115			
Cadmium		0.0520	mg/L	0.0010	104	85	115			
Chromium		0.0525	mg/L	0.0010	105	85	115			
Copper		0.0522	mg/L	0.0010	104	85	115			
Lead		0.0522	mg/L	0.0010	104	85	115			
Manganese		0.0520	mg/L	0.0010	104	85	115			
Mercury		0.00517	mg/L	0.0010	103	85	115			
Molybdenum		0.0524	mg/L	0.0010	105	85	115			
Nickel		0.0517	mg/L	0.0010	103	85	115			
Selenium		0.0521	mg/L	0.0014	104	85	115			
Uranium		0.0502	mg/L	0.00030	100	85	115			
Vanadium		0.0521	mg/L	0.0010	104	85	115			
Zinc		0.0536	mg/L	0.0010	105	85	115			
Sample ID: C09060708-001BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090623A				06/24/09 00:08
Arsenic		0.0514	mg/L	0.0010	100	70	130			
Barium		0.0635	mg/L	0.0010	101	70	130			
Cadmium		0.0475	mg/L	0.010	95	70	130			
Chromium		0.0466	mg/L	0.0010	93	70	130			
Copper		0.0501	mg/L	0.010	95	70	130			
Lead		0.0495	mg/L	0.0010	99	70	130			
Manganese		0.0461	mg/L	0.010	92	70	130			
Mercury		0.00507	mg/L	0.0010	101	70	130			
Molybdenum		0.0516	mg/L	0.0010	101	70	130			
Nickel		0.0512	mg/L	0.050	96	70	130			
Selenium		0.0709	mg/L	0.0010	98	70	130			
Uranium		0.0713	mg/L	0.00030	105	70	130			

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/07/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R120024
Sample ID: C09060708-001BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090623A			06/24/09 00:08	
Vanadium		0.0500	mg/L	0.0010	96	70	130			
Zinc		0.0555	mg/L	0.010	98	70	130			
Sample ID: C09060708-001BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_090623A			06/24/09 00:15	
Arsenic		0.0521	mg/L	0.0010	102	70	130	1.3	20	
Barium		0.0646	mg/L	0.0010	103	70	130	1.7	20	
Cadmium		0.0482	mg/L	0.010	96	70	130	1.4	20	
Chromium		0.0471	mg/L	0.0010	94	70	130	1.1	20	
Copper		0.0500	mg/L	0.010	94	70	130	0.3	20	
Lead		0.0506	mg/L	0.0010	101	70	130	2	20	
Manganese		0.0464	mg/L	0.010	92	70	130	0.6	20	
Mercury		0.00519	mg/L	0.0010	104	70	130	2.3	20	
Molybdenum		0.0525	mg/L	0.0010	103	70	130	1.9	20	
Nickel		0.0507	mg/L	0.050	95	70	130	1	20	
Selenium		0.0708	mg/L	0.0010	98	70	130	0	20	
Uranium		0.0720	mg/L	0.00030	107	70	130	1	20	
Vanadium		0.0508	mg/L	0.0010	98	70	130	1.7	20	
Zinc		0.0548	mg/L	0.010	97	70	130	1.3	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/08/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-0685
Sample ID: MB-GrAB-0685	6	Method Blank				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		-2	pCi/L							U
Gross Alpha precision (±)		0.7	pCi/L							
Gross Alpha MDC		0.9	pCi/L							
Gross Beta		-2	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Sample ID: UNAT-GrAB-0685		Laboratory Control Sample				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		160	pCi/L		114	70	130			
Sample ID: Cs137-GrAB-0685		Laboratory Control Sample				Run: G5000W_090624B				06/29/09 21:22
Gross Beta		86	pCi/L		95	70	130			
Sample ID: C09060736-002DMS		Sample Matrix Spike				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		181	pCi/L		131	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.										
Sample ID: C09060736-002DMSD		Sample Matrix Spike Duplicate				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		191	pCi/L		138	70	130	5.4	17.4	S
Sample ID: C09060736-002DMS		Sample Matrix Spike				Run: G5000W_090624B				06/29/09 21:22
Gross Beta		95.9	pCi/L		98	70	130			
Sample ID: C09060736-002DMSD		Sample Matrix Spike Duplicate				Run: G5000W_090624B				06/29/09 21:22
Gross Beta		97.5	pCi/L		100	70	130	1.6	15.9	
Method: E903.0										Batch: RA226-3759
Sample ID: C09060648-003AMS		Sample Matrix Spike				Run: BERTHOLD 770-1_090619A				06/30/09 14:39
Radium 226		19.1	pCi/L		97	70	130			
Sample ID: C09060648-003AMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_090619A				06/30/09 16:24
Radium 226		17.8	pCi/L		88	70	130	7.2	22.7	
Sample ID: MB-RA226-3759	3	Method Blank				Run: BERTHOLD 770-1_090619A				06/30/09 16:24
Radium 226		-0.2	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Sample ID: LCS-RA226-3759		Laboratory Control Sample				Run: BERTHOLD 770-1_090619A				06/30/09 16:24
Radium 226		6.8	pCi/L		89	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/08/09
Work Order: C09060623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-2726
Sample ID: LCS-228-RA226-3759		Laboratory Control Sample				Run: TENNELEC-3_090619A				06/24/09 16:10
Radium 228		6.61	pCi/L		85	70	130			
Sample ID: MB-RA226-3759	3	Method Blank				Run: TENNELEC-3_090619A				06/24/09 16:10
Radium 228		-0.7	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C09060691-034EMS		Sample Matrix Spike				Run: TENNELEC-3_090619A				06/24/09 16:10
Radium 228		14.5	pCi/L		81	70	130			
Sample ID: C09060691-034EMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090619A				06/24/09 16:10
Radium 228		14.2	pCi/L		79	70	130	2.3	38	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc. ; PO Box 730 Mills, WY 82644
Phone 738-2464 (Irigaray Mine) or 234-5019 (Mills Office)

Samples shipped to Energy Lab; Casper, WY

Submitted by [illegible] Date 6/15/09 Received by [illegible] Date 6/16/09 9:13

Sample Description: CR Guideline 8

Analysis Requested*: ASSAY SUITE A; Water quality parameters listed in the Wyoming DEQ Guideline # 8, for uranium mines.

Send Analysis Results to Larry Abogast
e-mail copies to larry.abogast@areva.com &
hdemuth@petrotek.com

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	3MW23	6/15/9	1 Liter		X			
			500 ml	X		X		
			500 ml		X	X		
			2 Liter	X		X		
			500 ml		X		X	
2	3MW115	6/15/9	**	**	**	**	**	
3	3MW30	6/15/9	**	**	**	**	**	
4			**	**	**	**	**	
5			**	**	**	**	**	
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	
16			**	**	**	**	**	
17			**	**	**	**	**	
18			**	**	**	**	**	

* All analysis will be performed in accordance with EPA approved procedures and/or the latest edition of Standards Methods.

** Same as sample # 1.

\excel\ENV-FORM\SUB-G8 (6-8-94 JV)

8-Tcl
HARL
C 1193

C09060623

Energy Laboratories Inc
Workorder Receipt Checklist

C09060623

Cogema Mining Inc

Login completed by: Edith McPike

Reviewed by:

Reviewed Date:

Date and Time Received: 6/16/2009 9:13 AM

Received by: em

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	8°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

CLIENT: Cogema Mining Inc
Project: CR Guideline 8
Sample Delivery Group: C09060623

Date: *08-Jul-09*

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

June 22, 2009

Cogema Mining Inc
935 Pendell Blvd
Mills, WY 82644

Workorder No.: C09060625

Project Name: CR

Energy Laboratories, Inc. received the following 2 samples for Cogema Mining Inc on 6/16/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09060625-001	3T 27-2	06/15/09 00:00	06/16/09	Aqueous	Nitrogen, Nitrate + Nitrite
C09060625-002	3T 37-1	06/15/09 00:00	06/16/09	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie D. Waldrop

Stephanie D. Waldrop
Reporting Supervisor

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Site Name: CR
Report Date: 06/22/09

Lab ID: C09060625-001
Client Sample ID: 3T 27-2
Matrix: Aqueous
Collection Date: 06/15/09
DateReceived: 06/16/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/19/09 12:52 / eli-b

Lab ID: C09060625-002
Client Sample ID: 3T 37-1
Matrix: Aqueous
Collection Date: 06/15/09
DateReceived: 06/16/09

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/19/09 12:53 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR

Report Date: 06/22/09
Work Order: C09060625

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: SUB-B131478	
Sample ID: ICV		Initial Calibration Verification Standard							06/19/09 10:10	
Nitrogen, Nitrate+Nitrite as N		36.7	mg/L	0.050	104	90	110			
Method: E353.2									Batch: B_R131478	
Sample ID: MBLK		Method Blank				Run: SUB-B131478			06/19/09 10:11	
Nitrogen, Nitrate+Nitrite as N		0.006	mg/L	0.002						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131478			06/19/09 10:13	
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.050	103	90	110			
Sample ID: C09060629-003A		Sample Matrix Spike				Run: SUB-B131478			06/19/09 12:46	
Nitrogen, Nitrate+Nitrite as N		1.26	mg/L	0.050	101	90	110			
Sample ID: C09060629-003A		Sample Matrix Spike Duplicate				Run: SUB-B131478			06/19/09 12:47	
Nitrogen, Nitrate+Nitrite as N		1.26	mg/L	0.050	101	90	110	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc. ; PO Box 730 Mills, WY 82644
Phone 738-2464 (Irigaray Mine) or 234-5019 (Mills Office)

Samples shipped to Energy Lab; Casper, WY

Submitted by J. Richards Date 6/15/9 Received by [illegible] Date 6/16/09 9:13

Sample Description: CR

Analysis Requested*: Nitrate and Nitrite only

Send Analysis Results to Larry Abogast
e-mail copies to larry.abogast@areva.com &
hdemuth@petrotek.com

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	3T27-2	6/15/9	500 ml		X		X	
2	~~BD~~ 2B	↓	**	**	**	**	**	
3	3T37-1	↓	**	**	**	**	**	
4			**	**	**	**	**	
5			**	**	**	**	**	
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	
16			**	**	**	**	**	
17			**	**	**	**	**	
18			**	**	**	**	**	

* All analysis will be performed in accordance with EPA approved procedures and/or the latest edition of Standards Methods.

** Same as sample # 1.

\excel\ENV-FORM\SUB-G8 (6-8-94 JV)

Andrea

8-Tcr
Hark
C-1193
C0906025

Energy Laboratories Inc
Workorder Receipt Checklist

C09060625

Cogema Mining Inc

Login completed by: Edith McPike

Reviewed by:

Reviewed Date:

Date and Time Received: 6/16/2009 9:13 AM

Received by: em

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	8°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

CLIENT: Cogema Mining Inc
Project: CR
Sample Delivery Group: C09060625

Date: 22-Jun-09

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

June 23, 2009

Cogema Mining Inc
935 Pendell Blvd
Mills, WY 82644

Workorder No.. C09060690

Project Name: CR Guideline 8

Energy Laboratories, Inc. received the following 1 sample for Cogema Mining Inc on 6/17/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09060690-001	3037-2	06/16/09 00:00	06/17/09	Aqueous	Nitrogen, Nitrate + Nitrite

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Stephanie D. Waldrop

Stephanie D. Waldrop
Reporting Supervisor

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060690-001
Client Sample ID: 3037-2

Report Date: 06/24/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 10:35 / eli-b

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 06/23/09
Work Order: C09060690

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: SUB-B131565	
Sample ID: ICV		Initial Calibration Verification Standard							06/22/09 09:47	
Nitrogen, Nitrate+Nitrite as N		36.4	mg/L	0.050	103	90	110			
Method: E353.2									Batch: B_R131565	
Sample ID: MBLK		Method Blank				Run: SUB-B131565			06/22/09 09:48	
Nitrogen, Nitrate+Nitrite as N		0.002	mg/L	0.002						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131565			06/22/09 09:50	
Nitrogen, Nitrate+Nitrite as N		0.977	mg/L	0.050	99	90	110			
Sample ID: C09060692-001E		Sample Matrix Spike				Run: SUB-B131565			06/22/09 10:29	
Nitrogen, Nitrate+Nitrite as N		0.981	mg/L	0.050	100	90	110			
Sample ID: C09060692-001E		Sample Matrix Spike Duplicate				Run: SUB-B131565			06/22/09 10:30	
Nitrogen, Nitrate+Nitrite as N		0.977	mg/L	0.050	100	90	110	0.4	10	
Sample ID: B09061821-009CMS		Sample Matrix Spike				Run: SUB-B131565			06/22/09 12:02	
Nitrogen, Nitrate+Nitrite as N		2.49	mg/L	0.050	103	90	110			
Sample ID: B09061821-009CMSD		Sample Matrix Spike Duplicate				Run: SUB-B131565			06/22/09 12:03	
Nitrogen, Nitrate+Nitrite as N		2.47	mg/L	0.050	102	90	110	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc. ; PO Box 730 Mills, WY 82644
Phone 738-2464 (Irigaray Mine) or 234-5019 (Mills Office)

17° on ice
cooler various

Samples shipped to Energy Lab, Casper, WY

Submitted by J. Richards Date 6/16/9 Received by Andrew Larsen Date 6/17/09 836

Chris Oliver 6/17/09 836

Sample Description: CR

Analysis Requested*: Nitrate and Nitrite only

Send Analysis Results to Larry Abogast
e-mail copies to larry.abogast@areva.com &
hdemuth@petrotek.com

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	3037-2	6/16/9	500 ml		X		X	
2			**	**	**	**	**	
3			**	**	**	**	**	
4			**	**	**	**	**	
5			**	**	**	**	**	
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	
16			**	**	**	**	**	
17			**	**	**	**	**	
18			**	**	**	**	**	

* All analysis will be performed in accordance with EPA approved procedures and/or the latest edition of Standards Methods.

** Same as sample # 1

\excel\ENV-FORM\SUB-G8 (6-8-94 JV)

C090160690

Energy Laboratories Inc
Workorder Receipt Checklist

C09060690

Cogema Mining Inc

Login completed by: Corinne Wagner

Date and Time Received: 6/17/2009 8:36 AM

Reviewed by:

Received by: al

Reviewed Date:

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	17°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
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ANALYTICAL SUMMARY REPORT

July 16, 2009

Cogema Mining Inc
935 Pendell Blvd
Mills, WY 82644

Workorder No.: C09060692

Project Name: CR Guideline 8

Energy Laboratories, Inc. received the following 12 samples for Cogema Mining Inc on 6/17/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09060692-001	3MW36-2	06/16/09 00:00	06/17/09	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Conductivity Fluoride E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved
C09060692-002	2MW108	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-003	2MW109	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-004	2MW101	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-005	2MW111	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-006	BD	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-007	2S100-2	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-008	2MW105	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-009	4T114-1	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-010	4MW20	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-011	4MW21	06/16/09 00:00	06/17/09	Aqueous	Same As Above
C09060692-012	4MW19	06/16/09 00:00	06/17/09	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie D. Waldrop

Stephanie D. Waldrop
Reporting Supervisor

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-001
Client Sample ID: 3MW36-2

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	4	mg/L		1		A2320 B	06/20/09 08:06 / ljl
Bicarbonate as HCO3	112	mg/L		1		A2320 B	06/20/09 08:06 / ljl
Calcium	8	mg/L		1		E200.7	07/01/09 19:35 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 07:38 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 13:59 / ljl
Magnesium	1	mg/L		1		E200.7	07/01/09 19:35 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 12:58 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 10:28 / eli-b
Potassium	1	mg/L		1		E200.7	07/01/09 19:35 / cp
Silica	9.6	mg/L		0.2		E200.7	07/01/09 19:35 / cp
Sodium	139	mg/L		1		E200.7	07/01/09 19:35 / cp
Sulfate	199	mg/L		1		E300.0	06/19/09 07:38 / ljl
PHYSICAL PROPERTIES							
Conductivity	667	umhos/cm		1		A2510 B	06/18/09 14:34 / dd
pH	8.70	s.u.		0.01		A4500-H B	06/18/09 14:34 / dd
Solids, Total Dissolved TDS @ 180 C	413	mg/L		10		A2540 C	06/18/09 09:45 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 19:35 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/18/09 22:55 / ts
Barium	ND	mg/L		0.1		E200.8	06/18/09 22:55 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 19:35 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/18/09 22:55 / ts
Chromium	ND	mg/L		0.05		E200.8	06/18/09 22:55 / ts
Copper	ND	mg/L		0.01		E200.8	06/18/09 22:55 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 19:35 / cp
Lead	ND	mg/L		0.001		E200.8	06/18/09 22:55 / ts
Manganese	ND	mg/L		0.01		E200.8	06/18/09 22:55 / ts
Mercury	ND	mg/L		0.001		E200.8	06/18/09 22:55 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/18/09 22:55 / ts
Nickel	ND	mg/L		0.05		E200.8	06/18/09 22:55 / ts
Selenium	ND	mg/L		0.001		E200.8	06/18/09 22:55 / ts
Uranium	0.0301	mg/L		0.0003		E200.8	06/18/09 22:55 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/18/09 22:55 / ts
Zinc	ND	mg/L		0.01		E200.8	06/18/09 22:55 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 03:12 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 03:12 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-001
Client Sample ID: 3MW36-2

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	47.3	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha precision (±)	4.0	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha MDC	3.0	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta	8.5	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta precision (±)	1.9	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta MDC	3.0	pCi/L				E900.0	06/30/09 09:31 / cgr
Radium 226	0.17	pCi/L	U			E903.0	06/30/09 23:40 / jah
Radium 226 precision (±)	0.14	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 226 MDC	0.21	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 228	0.3	pCi/L	U			RA-05	06/25/09 11:57 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 11:57 / plj
DATA QUALITY							
A/C Balance (± 5)	1.66	%				Calculation	07/15/09 14:44 / kbh
Anions	6.35	meq/L				Calculation	07/15/09 14:44 / kbh
Cations	6.56	meq/L				Calculation	07/15/09 14:44 / kbh
Solids, Total Dissolved Calculated	427	mg/L				Calculation	07/15/09 14:44 / kbh
TDS Balance (0.80 - 1.20)	0.970					Calculation	07/15/09 14:44 / kbh

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-002
Client Sample ID: 2MW108

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	5	mg/L		1		A2320 B	06/20/09 08:30 / ljl
Bicarbonate as HCO3	122	mg/L		1		A2320 B	06/20/09 08:30 / ljl
Calcium	8	mg/L		1		E200.7	07/01/09 19:48 / cp
Chloride	9	mg/L		1		E300.0	06/19/09 07:53 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:02 / ljl
Magnesium	1	mg/L		1		E200.7	07/01/09 19:48 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:00 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:28 / eli-b
Potassium	2	mg/L		1		E200.7	07/01/09 19:48 / cp
Silica	10.3	mg/L		0.2		E200.7	07/01/09 19:48 / cp
Sodium	139	mg/L		1		E200.7	07/01/09 19:48 / cp
Sulfate	194	mg/L		1		E300.0	06/19/09 07:53 / ljl
PHYSICAL PROPERTIES							
Conductivity	674	umhos/cm		1		A2510 B	06/18/09 14:35 / dd
pH	8.73	s.u.		0.01		A4500-H B	06/18/09 14:35 / dd
Solids, Total Dissolved TDS @ 180 C	411	mg/L		10		A2540 C	06/18/09 09:45 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 19:48 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/18/09 23:02 / ts
Barium	ND	mg/L		0.1		E200.8	06/18/09 23:02 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 19:48 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/18/09 23:02 / ts
Chromium	ND	mg/L		0.05		E200.8	06/18/09 23:02 / ts
Copper	ND	mg/L		0.01		E200.8	06/18/09 23:02 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 19:48 / cp
Lead	ND	mg/L		0.001		E200.8	06/18/09 23:02 / ts
Manganese	ND	mg/L		0.01		E200.8	06/18/09 23:02 / ts
Mercury	ND	mg/L		0.001		E200.8	06/18/09 23:02 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/18/09 23:02 / ts
Nickel	ND	mg/L		0.05		E200.8	06/18/09 23:02 / ts
Selenium	0.002	mg/L		0.001		E200.8	06/18/09 23:02 / ts
Uranium	0.0059	mg/L		0.0003		E200.8	06/18/09 23:02 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/18/09 23:02 / ts
Zinc	ND	mg/L		0.01		E200.8	06/18/09 23:02 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 03:36 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 03:36 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-002
Client Sample ID: 2MW108

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	8.0	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha precision (±)	2.4	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha MDC	3.1	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta	-2	pCi/L	U			E900.0	06/30/09 09:31 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta MDC	3.0	pCi/L				E900.0	06/30/09 09:31 / cgr
Radium 226	0.14	pCi/L	U			E903.0	06/30/09 23:40 / jah
Radium 226 precision (±)	0.15	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 226 MDC	0.22	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 228	0.6	pCi/L	U			RA-05	06/25/09 11:57 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/25/09 11:57 / plj
DATA QUALITY							
A/C Balance (± 5)	0.999	%				Calculation	07/15/09 14:47 / kbh
Anions	6.47	meq/L				Calculation	07/15/09 14:47 / kbh
Cations	6.60	meq/L				Calculation	07/15/09 14:47 / kbh
Solids, Total Dissolved Calculated	432	mg/L				Calculation	07/15/09 14:47 / kbh
TDS Balance (0.80 - 1.20)	0.950					Calculation	07/15/09 14:47 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-003
Client Sample ID: 2MW109

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	4	mg/L		1		A2320 B	06/20/09 08:37 / ljl
Bicarbonate as HCO3	101	mg/L		1		A2320 B	06/20/09 08:37 / ljl
Calcium	8	mg/L		1		E200.7	07/01/09 19:56 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 08:09 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:05 / ljl
Magnesium	1	mg/L		1		E200.7	07/01/09 19:56 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:01 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:31 / eli-b
Potassium	1	mg/L		1		E200.7	07/01/09 19:56 / cp
Silica	9.9	mg/L		0.2		E200.7	07/01/09 19:56 / cp
Sodium	139	mg/L		1		E200.7	07/01/09 19:56 / cp
Sulfate	207	mg/L		1		E300.0	06/19/09 08:09 / ljl
PHYSICAL PROPERTIES							
Conductivity	676	umhos/cm		1		A2510 B	06/18/09 14:38 / dd
pH	8.73	s.u.		0.01		A4500-H B	06/18/09 14:38 / dd
Solids, Total Dissolved TDS @ 180 C	412	mg/L		10		A2540 C	06/18/09 09:46 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 19:56 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/18/09 23:22 / ts
Barium	ND	mg/L		0.1		E200.8	06/18/09 23:22 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 19:56 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/18/09 23:22 / ts
Chromium	ND	mg/L		0.05		E200.8	06/18/09 23:22 / ts
Copper	ND	mg/L		0.01		E200.8	06/18/09 23:22 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 19:56 / cp
Lead	ND	mg/L		0.001		E200.8	06/18/09 23:22 / ts
Manganese	ND	mg/L		0.01		E200.8	06/18/09 23:22 / ts
Mercury	ND	mg/L		0.001		E200.8	06/18/09 23:22 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/18/09 23:22 / ts
Nickel	ND	mg/L		0.05		E200.8	06/18/09 23:22 / ts
Selenium	ND	mg/L		0.001		E200.8	06/18/09 23:22 / ts
Uranium	0.0027	mg/L		0.0003		E200.8	06/18/09 23:22 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/18/09 23:22 / ts
Zinc	ND	mg/L		0.01		E200.8	06/18/09 23:22 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 03:45 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 03:45 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-003
Client Sample ID: 2MW109

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	7.5	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha precision (±)	2.3	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Alpha MDC	3.0	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta	1.8	pCi/L	U			E900.0	06/30/09 09:31 / cgr
Gross Beta precision (±)	1.8	pCi/L				E900.0	06/30/09 09:31 / cgr
Gross Beta MDC	3.0	pCi/L				E900.0	06/30/09 09:31 / cgr
Radium 226	0.05	pCi/L	U			E903.0	06/30/09 23:40 / jah
Radium 226 precision (±)	0.12	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 226 MDC	0.20	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 228	0.6	pCi/L	U			RA-05	06/25/09 11:57 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 11:57 / plj
DATA QUALITY							
A/C Balance (± 5)	1.80	%				Calculation	07/15/09 14:49 / kbh
Anions	6.34	meq/L				Calculation	07/15/09 14:49 / kbh
Cations	6.57	meq/L				Calculation	07/15/09 14:49 / kbh
Solids, Total Dissolved Calculated	431	mg/L				Calculation	07/15/09 14:49 / kbh
TDS Balance (0.80 - 1.20)	0.960					Calculation	07/15/09 14:49 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-004
Client Sample ID: 2MW101

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	4	mg/L		1		A2320 B	06/20/09 08:45 / ljl
Bicarbonate as HCO3	105	mg/L		1		A2320 B	06/20/09 08:45 / ljl
Calcium	8	mg/L		1		E200.7	07/01/09 20:00 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 08:24 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:08 / ljl
Magnesium	1	mg/L		1		E200.7	07/01/09 20:00 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:02 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:32 / eli-b
Potassium	1	mg/L		1		E200.7	07/01/09 20:00 / cp
Silica	9.9	mg/L		0.2		E200.7	07/01/09 20:00 / cp
Sodium	133	mg/L		1		E200.7	07/01/09 20:00 / cp
Sulfate	200	mg/L		1		E300.0	06/19/09 08:24 / ljl
PHYSICAL PROPERTIES							
Conductivity	659	umhos/cm		1		A2510 B	06/18/09 14:40 / dd
pH	8.76	s.u.		0.01		A4500-H B	06/18/09 14:40 / dd
Solids, Total Dissolved TDS @ 180 C	404	mg/L		10		A2540 C	06/18/09 09:46 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:00 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/18/09 23:29 / ts
Barium	ND	mg/L		0.1		E200.8	06/18/09 23:29 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:00 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/18/09 23:29 / ts
Chromium	ND	mg/L		0.05		E200.8	06/18/09 23:29 / ts
Copper	ND	mg/L		0.01		E200.8	06/18/09 23:29 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 20:00 / cp
Lead	ND	mg/L		0.001		E200.8	06/18/09 23:29 / ts
Manganese	ND	mg/L		0.01		E200.8	06/18/09 23:29 / ts
Mercury	ND	mg/L		0.001		E200.8	06/18/09 23:29 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/18/09 23:29 / ts
Nickel	ND	mg/L		0.05		E200.8	06/18/09 23:29 / ts
Selenium	ND	mg/L		0.001		E200.8	06/18/09 23:29 / ts
Uranium	ND	mg/L		0.0003		E200.8	06/18/09 23:29 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/18/09 23:29 / ts
Zinc	ND	mg/L		0.01		E200.8	06/18/09 23:29 / ts
METALS - TOTAL							
Iron	0.04	mg/L		0.03		E200.7	07/08/09 03:49 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 03:49 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-004
Client Sample ID: 2MW101

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	4.2	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha precision (±)	1.4	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha MDC	1.9	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta	4.0	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	07/02/09 04:01 / cgr
Radium 226	0.25	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 226 precision (±)	0.16	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 226 MDC	0.21	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 228	-0.08	pCi/L	U			RA-05	06/25/09 11:57 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 11:57 / plj
DATA QUALITY							
A/C Balance (± 5)	0.467	%				Calculation	07/15/09 14:51 / kbh
Anions	6.26	meq/L				Calculation	07/15/09 14:51 / kbh
Cations	6.32	meq/L				Calculation	07/15/09 14:51 / kbh
Solids, Total Dissolved Calculated	420	mg/L				Calculation	07/15/09 14:51 / kbh
TDS Balance (0.80 - 1.20)	0.960					Calculation	07/15/09 14:51 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-005
Client Sample ID: 2MW111

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	5	mg/L		1		A2320 B	06/20/09 08:53 / ijl
Bicarbonate as HCO3	103	mg/L		1		A2320 B	06/20/09 08:53 / ijl
Calcium	8	mg/L		1		E200.7	07/01/09 20:04 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 08:40 / ijl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:16 / ijl
Magnesium	ND	mg/L		1		E200.7	07/01/09 20:04 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:06 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:33 / eli-b
Potassium	1	mg/L		1		E200.7	07/01/09 20:04 / cp
Silica	9.9	mg/L		0.2		E200.7	07/01/09 20:04 / cp
Sodium	136	mg/L		1		E200.7	07/01/09 20:04 / cp
Sulfate	195	mg/L		1		E300.0	06/19/09 08:40 / ijl
PHYSICAL PROPERTIES							
Conductivity	650	umhos/cm		1		A2510 B	06/18/09 14:41 / dd
pH	8.83	s.u.		0.01		A4500-H B	06/18/09 14:41 / dd
Solids, Total Dissolved TDS @ 180 C	396	mg/L		10		A2540 C	06/18/09 09:46 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:04 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/18/09 23:36 / ts
Barium	ND	mg/L		0.1		E200.8	06/18/09 23:36 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:04 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/18/09 23:36 / ts
Chromium	ND	mg/L		0.05		E200.8	06/18/09 23:36 / ts
Copper	ND	mg/L		0.01		E200.8	06/18/09 23:36 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 20:04 / cp
Lead	ND	mg/L		0.001		E200.8	06/18/09 23:36 / ts
Manganese	ND	mg/L		0.01		E200.8	06/18/09 23:36 / ts
Mercury	ND	mg/L		0.001		E200.8	06/18/09 23:36 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/18/09 23:36 / ts
Nickel	ND	mg/L		0.05		E200.8	06/18/09 23:36 / ts
Selenium	ND	mg/L		0.001		E200.8	06/18/09 23:36 / ts
Uranium	0.0007	mg/L		0.0003		E200.8	06/18/09 23:36 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/18/09 23:36 / ts
Zinc	ND	mg/L		0.01		E200.8	06/18/09 23:36 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 03:53 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 03:53 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-005
Client Sample ID: 2MW111

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	6.8	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Alpha precision (±)	1.6	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Alpha MDC	1.9	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Beta	2.3	pCi/L	U			E900.0	07/02/09 04:00 / cgr
Gross Beta precision (±)	1.6	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	07/02/09 04:00 / cgr
Radium 226	0.26	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 226 precision (±)	0.15	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 226 MDC	0.19	pCi/L				E903.0	06/30/09 23:40 / jah
Radium 228	0.06	pCi/L	U			RA-05	06/25/09 11:57 / plj
Radium 228 precision (±)	0.6	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	06/25/09 11:57 / plj
DATA QUALITY							
A/C Balance (± 5)	1.93	%				Calculation	07/15/09 14:53 / kbh
Anions	6.17	meq/L				Calculation	07/15/09 14:53 / kbh
Cations	6.42	meq/L				Calculation	07/15/09 14:53 / kbh
Solids, Total Dissolved Calculated	418	mg/L				Calculation	07/15/09 14:53 / kbh
TDS Balance (0.80 - 1.20)	0.950					Calculation	07/15/09 14:53 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-006
Client Sample ID: BD

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/20/09 09:00 / ljl
Bicarbonate as HCO3	246	mg/L		1		A2320 B	06/20/09 09:00 / ljl
Calcium	33	mg/L		1		E200.7	07/01/09 20:08 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 08:55 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/29/09 14:19 / ljl
Magnesium	4	mg/L		1		E200.7	07/01/09 20:08 / cp
Nitrogen, Ammonia as N	0.06	mg/L		0.05		E350.1	06/19/09 13:09 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 10:37 / eli-b
Potassium	2	mg/L		1		E200.7	07/01/09 20:08 / cp
Silica	7.5	mg/L		0.2		E200.7	07/01/09 20:08 / cp
Sodium	156	mg/L		1		E200.7	07/01/09 20:08 / cp
Sulfate	188	mg/L		1		E300.0	06/19/09 08:55 / ljl
PHYSICAL PROPERTIES							
Conductivity	818	umhos/cm		1		A2510 B	06/18/09 14:44 / dd
pH	7.65	s.u.		0.01		A4500-H B	06/18/09 14:44 / dd
Solids, Total Dissolved TDS @ 180 C	529	mg/L		10		A2540 C	06/18/09 09:47 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:08 / cp
Arsenic	0.004	mg/L		0.001		E200.8	06/18/09 23:43 / ts
Barium	ND	mg/L		0.1		E200.8	06/18/09 23:43 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:08 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/18/09 23:43 / ts
Chromium	ND	mg/L		0.05		E200.8	06/18/09 23:43 / ts
Copper	ND	mg/L		0.01		E200.8	06/18/09 23:43 / ts
Iron	0.13	mg/L		0.03		E200.7	07/01/09 20:08 / cp
Lead	ND	mg/L		0.001		E200.8	06/18/09 23:43 / ts
Manganese	0.14	mg/L		0.01		E200.8	06/18/09 23:43 / ts
Mercury	ND	mg/L		0.001		E200.8	06/18/09 23:43 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/18/09 23:43 / ts
Nickel	ND	mg/L		0.05		E200.8	06/18/09 23:43 / ts
Selenium	ND	mg/L		0.001		E200.8	06/18/09 23:43 / ts
Uranium	0.872	mg/L		0.0003		E200.8	06/18/09 23:43 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/18/09 23:43 / ts
Zinc	ND	mg/L		0.01		E200.8	06/18/09 23:43 / ts
METALS - TOTAL							
Iron	0.13	mg/L		0.03		E200.7	07/08/09 03:57 / cp
Manganese	0.14	mg/L		0.01		E200.7	07/08/09 03:57 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-006
Client Sample ID: BD

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	1510	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Alpha precision (±)	20.0	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Alpha MDC	2.5	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Beta	447	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Beta precision (±)	6.2	pCi/L				E900.0	07/02/09 04:00 / cgr
Gross Beta MDC	3.3	pCi/L				E900.0	07/02/09 04:00 / cgr
Radium 226	153	pCi/L				E903.0	07/01/09 01:20 / jah
Radium 226 precision (±)	2.5	pCi/L				E903.0	07/01/09 01:20 / jah
Radium 226 MDC	0.20	pCi/L				E903.0	07/01/09 01:20 / jah
Radium 228	1.4	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 11:57 / plj
DATA QUALITY							
A/C Balance (± 5)	3.77	%				Calculation	07/15/09 14:54 / kbh
Anions	8.16	meq/L				Calculation	07/15/09 14:54 / kbh
Cations	8.80	meq/L				Calculation	07/15/09 14:54 / kbh
Solids, Total Dissolved Calculated	521	mg/L				Calculation	07/15/09 14:54 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	07/15/09 14:54 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-007
Client Sample ID: 2S100-2

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/20/09 09:16 / ljl
Bicarbonate as HCO3	244	mg/L		1		A2320 B	06/20/09 09:16 / ljl
Calcium	33	mg/L		1		E200.7	07/01/09 20:12 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 09:41 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/29/09 14:21 / ljl
Magnesium	4	mg/L		1		E200.7	07/01/09 20:12 / cp
Nitrogen, Ammonia as N	0.06	mg/L		0.05		E350.1	06/19/09 13:10 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 10:38 / eli-b
Potassium	2	mg/L		1		E200.7	07/01/09 20:12 / cp
Silica	7.3	mg/L		0.2		E200.7	07/01/09 20:12 / cp
Sodium	155	mg/L		1		E200.7	07/01/09 20:12 / cp
Sulfate	189	mg/L		1		E300.0	06/19/09 09:41 / ljl
PHYSICAL PROPERTIES							
Conductivity	819	umhos/cm		1		A2510 B	06/18/09 14:48 / dd
pH	7.69	s.u.		0.01		A4500-H B	06/18/09 14:48 / dd
Solids, Total Dissolved TDS @ 180 C	518	mg/L		10		A2540 C	06/18/09 09:47 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:12 / cp
Arsenic	0.004	mg/L		0.001		E200.8	06/18/09 23:49 / ts
Barium	ND	mg/L		0.1		E200.8	06/18/09 23:49 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:12 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/18/09 23:49 / ts
Chromium	ND	mg/L		0.05		E200.8	06/18/09 23:49 / ts
Copper	ND	mg/L		0.01		E200.8	06/18/09 23:49 / ts
Iron	0.13	mg/L		0.03		E200.7	07/01/09 20:12 / cp
Lead	ND	mg/L		0.001		E200.8	06/18/09 23:49 / ts
Manganese	0.14	mg/L		0.01		E200.8	06/18/09 23:49 / ts
Mercury	ND	mg/L		0.001		E200.8	06/18/09 23:49 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/18/09 23:49 / ts
Nickel	ND	mg/L		0.05		E200.8	06/18/09 23:49 / ts
Selenium	ND	mg/L		0.001		E200.8	06/18/09 23:49 / ts
Uranium	0.867	mg/L		0.0003		E200.8	06/18/09 23:49 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/18/09 23:49 / ts
Zinc	ND	mg/L		0.01		E200.8	06/18/09 23:49 / ts
METALS - TOTAL							
Iron	0.13	mg/L		0.03		E200.7	07/08/09 04:01 / cp
Manganese	0.14	mg/L		0.01		E200.7	07/08/09 04:01 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-007
Client Sample ID: 2S100-2

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	1460	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha precision (±)	19.4	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha MDC	2.4	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta	409	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta precision (±)	6.0	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta MDC	3.3	pCi/L				E900.0	07/02/09 04:01 / cgr
Radium 226	153	pCi/L				E903.0	07/01/09 01:20 / jah
Radium 226 precision (±)	2.9	pCi/L				E903.0	07/01/09 01:20 / jah
Radium 226 MDC	0.26	pCi/L				E903.0	07/01/09 01:20 / jah
Radium 228	1.1	pCi/L	U			RA-05	06/25/09 11:57 / plj
Radium 228 precision (±)	1	pCi/L				RA-05	06/25/09 11:57 / plj
Radium 228 MDC	1.5	pCi/L				RA-05	06/25/09 11:57 / plj
DATA QUALITY							
A/C Balance (± 5)	3.64	%				Calculation	07/15/09 14:56 / kbh
Anions	8.15	meq/L				Calculation	07/15/09 14:56 / kbh
Cations	8.76	meq/L				Calculation	07/15/09 14:56 / kbh
Solids, Total Dissolved Calculated	519	mg/L				Calculation	07/15/09 14:56 / kbh
TDS Balance (0.80 - 1.20)	1.00					Calculation	07/15/09 14:56 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-008
Client Sample ID: 2MW105

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	3	mg/L		1		A2320 B	06/20/09 09:24 / ljl
Bicarbonate as HCO3	109	mg/L		1		A2320 B	06/20/09 09:24 / ljl
Calcium	8	mg/L		1		E200.7	07/01/09 20:28 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 09:57 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:24 / ljl
Magnesium	1	mg/L		1		E200.7	07/01/09 20:28 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:11 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 10:40 / eli-b
Potassium	2	mg/L		1		E200.7	07/01/09 20:28 / cp
Silica	9.6	mg/L		0.2		E200.7	07/01/09 20:28 / cp
Sodium	140	mg/L		1		E200.7	07/01/09 20:28 / cp
Sulfate	205	mg/L		1		E300.0	06/19/09 09:57 / ljl
PHYSICAL PROPERTIES							
Conductivity	677	umhos/cm		1		A2510 B	06/18/09 14:49 / dd
pH	8.74	s.u.		0.01		A4500-H B	06/18/09 14:49 / dd
Solids, Total Dissolved TDS @ 180 C	421	mg/L		10		A2540 C	06/18/09 09:47 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:28 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/19/09 00:23 / ts
Barium	ND	mg/L		0.1		E200.8	06/19/09 00:23 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:28 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/19/09 00:23 / ts
Chromium	ND	mg/L		0.05		E200.8	06/19/09 00:23 / ts
Copper	ND	mg/L		0.01		E200.8	06/19/09 00:23 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 20:28 / cp
Lead	ND	mg/L		0.001		E200.8	06/19/09 00:23 / ts
Manganese	ND	mg/L		0.01		E200.8	06/19/09 00:23 / ts
Mercury	ND	mg/L		0.001		E200.8	06/19/09 00:23 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/19/09 00:23 / ts
Nickel	ND	mg/L		0.05		E200.8	06/19/09 00:23 / ts
Selenium	ND	mg/L		0.001		E200.8	06/19/09 00:23 / ts
Uranium	0.0192	mg/L		0.0003		E200.8	06/19/09 00:23 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/19/09 00:23 / ts
Zinc	ND	mg/L		0.01		E200.8	06/19/09 00:23 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 04:05 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 04:05 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-008
Client Sample ID: 2MW105

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	42.2	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha precision (±)	3.2	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha MDC	2.0	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta	14.0	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta precision (±)	2.0	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta MDC	2.9	pCi/L				E900.0	07/02/09 04:01 / cgr
Radium 226	-0.03	pCi/L	U			E903.0	06/30/09 15:27 / jah
Radium 226 precision (±)	0.1	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 MDC	0.19	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 228	-0.2	pCi/L	U			RA-05	06/25/09 14:02 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 14:02 / trs
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 14:02 / trs
DATA QUALITY							
A/C Balance (± 5)	1.70	%				Calculation	07/15/09 14:57 / kbh
Anions	6.40	meq/L				Calculation	07/15/09 14:57 / kbh
Cations	6.62	meq/L				Calculation	07/15/09 14:57 / kbh
Solids, Total Dissolved Calculated	433	mg/L				Calculation	07/15/09 14:57 / kbh
TDS Balance (0.80 - 1.20)	0.970					Calculation	07/15/09 14:57 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-009
Client Sample ID: 4T114-1

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/20/09 09:32 / ljl
Bicarbonate as HCO3	979	mg/L		1		A2320 B	06/20/09 09:32 / ljl
Calcium	106	mg/L	D	2		E200.7	07/01/09 20:32 / cp
Chloride	41	mg/L		1		E300.0	06/19/09 10:12 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/29/09 14:27 / ljl
Magnesium	24	mg/L		1		E200.7	07/01/09 20:32 / cp
Nitrogen, Ammonia as N	0.26	mg/L		0.05		E350.1	06/19/09 13:13 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:35 / eli-b
Potassium	6	mg/L		1		E200.7	07/01/09 20:32 / cp
Silica	11.0	mg/L	D	0.3		E200.7	07/01/09 20:32 / cp
Sodium	431	mg/L	D	2		E200.7	07/01/09 20:32 / cp
Sulfate	379	mg/L		1		E300.0	06/19/09 10:12 / ljl
PHYSICAL PROPERTIES							
Conductivity	2210	umhos/cm		1		A2510 B	06/18/09 14:52 / dd
pH	7.13	s.u.		0.01		A4500-H B	06/18/09 14:52 / dd
Solids, Total Dissolved TDS @ 180 C	1450	mg/L		10		A2540 C	06/18/09 09:48 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 04:09 / cp
Arsenic	0.012	mg/L		0.001		E200.8	06/19/09 00:30 / ts
Barium	ND	mg/L		0.1		E200.8	06/19/09 00:30 / ts
Boron	ND	mg/L	D	0.3		E200.7	07/01/09 20:32 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/19/09 00:30 / ts
Chromium	ND	mg/L		0.05		E200.8	06/19/09 00:30 / ts
Copper	ND	mg/L		0.01		E200.8	06/19/09 00:30 / ts
Iron	0.97	mg/L	D	0.05		E200.7	07/01/09 20:32 / cp
Lead	ND	mg/L		0.001		E200.8	06/19/09 00:30 / ts
Manganese	0.23	mg/L		0.01		E200.8	06/19/09 00:30 / ts
Mercury	ND	mg/L		0.001		E200.8	06/19/09 00:30 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/19/09 00:30 / ts
Nickel	ND	mg/L		0.05		E200.8	06/19/09 00:30 / ts
Selenium	0.009	mg/L		0.001		E200.8	06/19/09 00:30 / ts
Uranium	6.66	mg/L		0.0003		E200.8	06/19/09 00:30 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/19/09 00:30 / ts
Zinc	ND	mg/L		0.01		E200.8	06/19/09 00:30 / ts
METALS - TOTAL							
Iron	1.10	mg/L		0.03		E200.7	07/08/09 04:13 / cp
Manganese	0.22	mg/L		0.01		E200.7	07/08/09 04:13 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-009
Client Sample ID: 4T114-1

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	7140	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha precision (±)	75.2	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha MDC	7.4	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta	1660	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta precision (±)	21.3	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta MDC	10.6	pCi/L				E900.0	07/02/09 04:01 / cgr
Radium 226	272	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 precision (±)	3.0	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 MDC	0.16	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 228	2.1	pCi/L				RA-05	06/25/09 14:02 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 14:02 / trs
Radium 228 MDC	1.0	pCi/L				RA-05	06/25/09 14:02 / trs
DATA QUALITY							
A/C Balance (± 5)	2.07	%				Calculation	07/15/09 14:59 / kbh
Anions	25.1	meq/L				Calculation	07/15/09 14:59 / kbh
Cations	26.1	meq/L				Calculation	07/15/09 14:59 / kbh
Solids, Total Dissolved Calculated	1480	mg/L				Calculation	07/15/09 14:59 / kbh
TDS Balance (0.80 - 1.20)	0.980					Calculation	07/15/09 14:59 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-010
Client Sample ID: 4MW20

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	2	mg/L		1		A2320 B	06/20/09 09:40 / ljl
Bicarbonate as HCO3	122	mg/L		1		A2320 B	06/20/09 09:40 / ljl
Calcium	9	mg/L		1		E200.7	07/01/09 20:36 / cp
Chloride	7	mg/L		1		E300.0	06/19/09 10:27 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:30 / ljl
Magnesium	ND	mg/L		1		E200.7	07/01/09 20:36 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:14 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:36 / eli-b
Potassium	2	mg/L		1		E200.7	07/01/09 20:36 / cp
Silica	9.8	mg/L		0.2		E200.7	07/01/09 20:36 / cp
Sodium	139	mg/L		1		E200.7	07/01/09 20:36 / cp
Sulfate	197	mg/L		1		E300.0	06/19/09 10:27 / ljl
PHYSICAL PROPERTIES							
Conductivity	669	umhos/cm		1		A2510 B	06/18/09 14:53 / dd
pH	8.67	s.u.		0.01		A4500-H B	06/18/09 14:53 / dd
Solids, Total Dissolved TDS @ 180 C	405	mg/L		10		A2540 C	06/18/09 09:48 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:36 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/19/09 00:37 / ts
Barium	ND	mg/L		0.1		E200.8	06/19/09 00:37 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:36 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/19/09 00:37 / ts
Chromium	ND	mg/L		0.05		E200.8	06/19/09 00:37 / ts
Copper	ND	mg/L		0.01		E200.8	06/19/09 00:37 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 20:36 / cp
Lead	ND	mg/L		0.001		E200.8	06/19/09 00:37 / ts
Manganese	ND	mg/L		0.01		E200.8	06/19/09 00:37 / ts
Mercury	ND	mg/L		0.001		E200.8	06/19/09 00:37 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/19/09 00:37 / ts
Nickel	ND	mg/L		0.05		E200.8	06/19/09 00:37 / ts
Selenium	0.002	mg/L		0.001		E200.8	06/19/09 00:37 / ts
Uranium	0.0008	mg/L		0.0003		E200.8	06/19/09 00:37 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/19/09 00:37 / ts
Zinc	ND	mg/L		0.01		E200.8	06/19/09 00:37 / ts
METALS - TOTAL							
Iron	0.62	mg/L		0.03		E200.7	07/08/09 05:05 / cp
Manganese	0.02	mg/L		0.01		E200.7	07/08/09 05:05 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-010
Client Sample ID: 4MW20

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	6.0	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha precision (±)	1.6	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Alpha MDC	1.9	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta	1.6	pCi/L	U			E900.0	07/02/09 04:01 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	07/02/09 04:01 / cgr
Gross Beta MDC	2.8	pCi/L				E900.0	07/02/09 04:01 / cgr
Radium 226	0.22	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 precision (±)	0.14	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 MDC	0.19	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 228	0.3	pCi/L	U			RA-05	06/25/09 14:02 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 14:02 / trs
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 14:02 / trs
DATA QUALITY							
A/C Balance (± 5)	1.52	%				Calculation	07/15/09 15:00 / kbh
Anions	6.39	meq/L				Calculation	07/15/09 15:00 / kbh
Cations	6.59	meq/L				Calculation	07/15/09 15:00 / kbh
Solids, Total Dissolved Calculated	429	mg/L				Calculation	07/15/09 15:00 / kbh
TDS Balance (0.80 - 1.20)	0.940					Calculation	07/15/09 15:00 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-011
Client Sample ID: 4MW21

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	2	mg/L		1		A2320 B	06/20/09 09:47 / ljl
Bicarbonate as HCO3	113	mg/L		1		A2320 B	06/20/09 09:47 / ljl
Calcium	8	mg/L		1		E200.7	07/01/09 20:40 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 11:14 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:43 / ljl
Magnesium	1	mg/L		1		E200.7	07/01/09 20:40 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:15 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:37 / eli-b
Potassium	1	mg/L		1		E200.7	07/01/09 20:40 / cp
Silica	9.0	mg/L		0.2		E200.7	07/01/09 20:40 / cp
Sodium	132	mg/L		1		E200.7	07/01/09 20:40 / cp
Sulfate	198	mg/L		1		E300.0	06/19/09 11:14 / ljl
PHYSICAL PROPERTIES							
Conductivity	659	umhos/cm		1		A2510 B	06/18/09 14:55 / dd
pH	8.64	s.u.		0.01		A4500-H B	06/18/09 14:55 / dd
Solids, Total Dissolved TDS @ 180 C	406	mg/L		10		A2540 C	06/18/09 09:48 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:40 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/19/09 00:44 / ts
Barium	ND	mg/L		0.1		E200.8	06/19/09 00:44 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:40 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/19/09 00:44 / ts
Chromium	ND	mg/L		0.05		E200.8	06/19/09 00:44 / ts
Copper	ND	mg/L		0.01		E200.8	06/19/09 00:44 / ts
Iron	0.09	mg/L		0.03		E200.7	07/13/09 14:58 / cp
Lead	ND	mg/L		0.001		E200.8	06/19/09 00:44 / ts
Manganese	ND	mg/L		0.01		E200.8	06/19/09 00:44 / ts
Mercury	ND	mg/L		0.001		E200.8	06/19/09 00:44 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/19/09 00:44 / ts
Nickel	ND	mg/L		0.05		E200.8	06/19/09 00:44 / ts
Selenium	ND	mg/L		0.001		E200.8	06/19/09 00:44 / ts
Uranium	0.0169	mg/L		0.0003		E200.8	06/19/09 00:44 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/19/09 00:44 / ts
Zinc	0.01	mg/L		0.01		E200.8	06/19/09 00:44 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 05:18 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 05:18 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-011
Client Sample ID: 4MW21

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	41.0	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Alpha precision (±)	3.0	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Alpha MDC	1.8	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Beta	9.9	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Beta precision (±)	1.8	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	07/07/09 01:20 / cgr
Radium 226	0.45	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 precision (±)	0.17	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 MDC	0.18	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 228	0.3	pCi/L	U			RA-05	06/25/09 14:02 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 14:02 / trs
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 14:02 / trs
DATA QUALITY							
A/C Balance (± 5)	-0.0649	%				Calculation	07/15/09 15:07 / kbh
Anions	6.28	meq/L				Calculation	07/15/09 15:07 / kbh
Cations	6.27	meq/L				Calculation	07/15/09 15:07 / kbh
Solids, Total Dissolved Calculated	418	mg/L				Calculation	07/15/09 15:07 / kbh
TDS Balance (0.80 - 1.20)	0.970					Calculation	07/15/09 15:07 / kbh

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-012
Client Sample ID: 4MW19

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	3	mg/L		1		A2320 B	06/20/09 10:10 / ljl
Bicarbonate as HCO3	113	mg/L		1		A2320 B	06/20/09 10:10 / ljl
Calcium	8	mg/L		1		E200.7	07/01/09 20:53 / cp
Chloride	8	mg/L		1		E300.0	06/19/09 11:29 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 14:46 / ljl
Magnesium	1	mg/L		1		E200.7	07/01/09 20:53 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/19/09 13:16 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/22/09 11:38 / eli-b
Potassium	2	mg/L		1		E200.7	07/01/09 20:53 / cp
Silica	9.6	mg/L		0.2		E200.7	07/01/09 20:53 / cp
Sodium	136	mg/L		1		E200.7	07/01/09 20:53 / cp
Sulfate	198	mg/L		1		E300.0	06/19/09 11:29 / ljl
PHYSICAL PROPERTIES							
Conductivity	665	umhos/cm		1		A2510 B	06/18/09 14:56 / dd
pH	8.66	s.u.		0.01		A4500-H B	06/18/09 14:56 / dd
Solids, Total Dissolved TDS @ 180 C	420	mg/L		10		A2540 C	06/18/09 09:49 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/01/09 20:53 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/19/09 00:50 / ts
Barium	ND	mg/L		0.1		E200.8	06/19/09 00:50 / ts
Boron	ND	mg/L		0.1		E200.7	07/01/09 20:53 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/19/09 00:50 / ts
Chromium	ND	mg/L		0.05		E200.8	06/19/09 00:50 / ts
Copper	ND	mg/L		0.01		E200.8	06/19/09 00:50 / ts
Iron	ND	mg/L		0.03		E200.7	07/01/09 20:53 / cp
Lead	ND	mg/L		0.001		E200.8	06/19/09 00:50 / ts
Manganese	ND	mg/L		0.01		E200.8	06/19/09 00:50 / ts
Mercury	ND	mg/L		0.001		E200.8	06/19/09 00:50 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/19/09 00:50 / ts
Nickel	ND	mg/L		0.05		E200.8	06/19/09 00:50 / ts
Selenium	ND	mg/L		0.001		E200.8	06/19/09 00:50 / ts
Uranium	0.0158	mg/L		0.0003		E200.8	06/19/09 00:50 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/19/09 00:50 / ts
Zinc	ND	mg/L		0.01		E200.8	06/19/09 00:50 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 05:26 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 05:26 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060692-012
Client Sample ID: 4MW19

Report Date: 07/16/09
Collection Date: 06/16/09
DateReceived: 06/17/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	37.4	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Alpha precision (±)	3.0	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Alpha MDC	1.9	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Beta	7.9	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Beta precision (±)	1.8	pCi/L				E900.0	07/07/09 01:20 / cgr
Gross Beta MDC	2.8	pCi/L				E900.0	07/07/09 01:20 / cgr
Radium 226	0.54	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 precision (±)	0.18	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 MDC	0.19	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 228	0.3	pCi/L	U			RA-05	06/25/09 14:02 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 14:02 / trs
Radium 228 MDC	1.2	pCi/L				RA-05	06/25/09 14:02 / trs
DATA QUALITY							
A/C Balance (± 5)	1.15	%				Calculation	07/15/09 15:08 / kbh
Anions	6.31	meq/L				Calculation	07/15/09 15:08 / kbh
Cations	6.46	meq/L				Calculation	07/15/09 15:08 / kbh
Solids, Total Dissolved Calculated	424	mg/L				Calculation	07/15/09 15:08 / kbh
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/15/09 15:08 / kbh

Report Definitions:
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MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R119848
Sample ID: MBLK	3	Method Blank				Run: MANTECH_090620A				06/20/09 00:27
Alkalinity, Total as CaCO3		3	mg/L	0.2						
Carbonate as CO3		ND	mg/L	1						
Bicarbonate as HCO3		3	mg/L	1						
Sample ID: LCS1		Laboratory Control Sample				Run: MANTECH_090620A				06/20/09 00:42
Alkalinity, Total as CaCO3		197	mg/L	5.0	97	90	110			
Sample ID: LCS		Laboratory Control Sample				Run: MANTECH_090620A				06/20/09 00:49
Alkalinity, Total as CaCO3		51.4	mg/L	5.0	98	90	110			
Sample ID: C09060692-001AMS		Sample Matrix Spike				Run: MANTECH_090620A				06/20/09 08:14
Alkalinity, Total as CaCO3		220	mg/L	5.0	96	80	120			
Sample ID: C09060692-001AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090620A				06/20/09 08:22
Alkalinity, Total as CaCO3		222	mg/L	5.0	98	80	120	0.9	20	
Sample ID: C09060692-011AMS		Sample Matrix Spike				Run: MANTECH_090620A				06/20/09 09:55
Alkalinity, Total as CaCO3		218	mg/L	5.0	97	80	120			
Sample ID: C09060692-011AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090620A				06/20/09 10:03
Alkalinity, Total as CaCO3		222	mg/L	5.0	100	80	120	1.9	20	
Method: A2510 B										Analytical Run: ORION555A_090618C
Sample ID: ICV2_090618_2		Initial Calibration Verification Standard								06/18/09 14:20
Conductivity		1400	umhos/cm	1.0	99	90	110			
Method: A2510 B										Batch: 090618_2_PH-W_555A-2
Sample ID: MBLK1_090618_2		Method Blank				Run: ORION555A_090618C				06/18/09 14:16
Conductivity		2	umhos/cm	0.2						
Sample ID: C09060692-006ADUP		Sample Duplicate				Run: ORION555A_090618C				06/18/09 14:45
Conductivity		823	umhos/cm	1.0				0.6	10	
Sample ID: C09060713-001ADUP		Sample Duplicate				Run: ORION555A_090618C				06/18/09 15:07
Conductivity		2390	umhos/cm	1.0				0.3	10	

Qualifiers:

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: R119802
Sample ID: MBLK1_		Method Blank				Run: BAL-1_090618C				06/17/09 11:20
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	6						
Sample ID: LCS1_		Laboratory Control Sample				Run: BAL-1_090618C				06/17/09 11:21
Solids, Total Dissolved TDS @ 180 C		990	mg/L	10	99	90	110			
Sample ID: C09060691-034AMS		Sample Matrix Spike				Run: BAL-1_090618C				06/18/09 09:44
Solids, Total Dissolved TDS @ 180 C		4370	mg/L	10	105	90	110			
Sample ID: C09060691-034AMSD		Sample Matrix Spike Duplicate				Run: BAL-1_090618C				06/18/09 09:44
Solids, Total Dissolved TDS @ 180 C		4390	mg/L	10	106	90	110	0.5	10	
Sample ID: C09060692-011AMS		Sample Matrix Spike				Run: BAL-1_090618C				06/18/09 09:49
Solids, Total Dissolved TDS @ 180 C		2460	mg/L	10	103	90	110			
Sample ID: C09060692-011AMSD		Sample Matrix Spike Duplicate				Run: BAL-1_090618C				06/18/09 09:49
Solids, Total Dissolved TDS @ 180 C		2460	mg/L	10	103	90	110	0.2	10	
Method: A4500-F C										Batch: R120256
Sample ID: MBLK		Method Blank				Run: MANTECH_090629A				06/29/09 13:52
Fluoride		ND	mg/L	0.05						
Sample ID: LCS		Laboratory Control Sample				Run: MANTECH_090629A				06/29/09 13:54
Fluoride		1.00mg/L		0.10	100	90	110			
Sample ID: C09060692-004AMS		Sample Matrix Spike				Run: MANTECH_090629A				06/29/09 14:10
Fluoride		1.23mg/L		0.10	103	80	120			
Sample ID: C09060692-004AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090629A				06/29/09 14:13
Fluoride		1.23mg/L		0.10	103	80	120	0	10	
Sample ID: C09060730-002AMS		Sample Matrix Spike				Run: MANTECH_090629A				06/29/09 14:54
Fluoride		1.45mg/L		0.10	101	80	120			
Sample ID: C09060730-002AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090629A				06/29/09 14:57
Fluoride		1.45mg/L		0.10	101	80	120	0	10	
Method: A4500-H B										Analytical Run: ORION555A_090618C
Sample ID: ICV1_090618_2		Initial Calibration Verification Standard								06/18/09 14:18
pH		6.90	s.u.	0.010	101	98	102			
Method: A4500-H B										Batch: 090618_2_PH-W_555A-2
Sample ID: C09060692-006ADUP		Sample Duplicate				Run: ORION555A_090618C				06/18/09 14:45
pH		7.65	s.u.	0.010				0	10	
Sample ID: C09060713-001ADUP		Sample Duplicate				Run: ORION555A_090618C				06/18/09 15:07
pH		7.56	s.u.	0.010				0	10	

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120371
Sample ID: MB-090701A	8	Method Blank				Run: ICP2-C_090701A				07/01/09 13:38
Aluminum		ND	mg/L	0.01						
Boron		ND	mg/L	0.03						
Calcium		ND	mg/L	0.2						
Iron		ND	mg/L	0.005						
Magnesium		ND	mg/L	0.09						
Potassium		ND	mg/L	0.1						
Silicon		0.03	mg/L	0.01						
Sodium		ND	mg/L	0.2						
Sample ID: LFB-090701A	8	Laboratory Fortified Blank				Run: ICP2-C_090701A				07/01/09 13:42
Aluminum		0.954	mg/L	0.10	95	85	115			
Boron		1.02	mg/L	0.10	102	85	115			
Calcium		49.9	mg/L	0.50	100	85	115			
Iron		0.964	mg/L	0.030	96	85	115			
Magnesium		49.3	mg/L	0.50	99	85	115			
Potassium		45.4	mg/L	0.50	91	85	115			
Silicon		0.472	mg/L	0.015	110	85	115			
Sodium		48.9	mg/L	0.50	98	85	115			
Sample ID: C09060692-001BMS2	8	Sample Matrix Spike				Run: ICP2-C_090701A				07/01/09 19:40
Aluminum		2.23	mg/L	0.10	109	70	130			
Boron		2.12	mg/L	0.10	100	70	130			
Calcium		104	mg/L	1.0	95	70	130			
Iron		1.95	mg/L	0.030	95	70	130			
Magnesium		97.5	mg/L	1.0	95	70	130			
Potassium		90.1	mg/L	1.0	87	70	130			
Silicon		5.24	mg/L	0.10		70	130			A
Sodium		233	mg/L	1.0	92	70	130			
Sample ID: C09060692-001BMSD	8	Sample Matrix Spike Duplicate				Run: ICP2-C_090701A				07/01/09 19:44
Aluminum		2.16	mg/L	0.10	106	70	130	3.3	20	
Boron		2.13	mg/L	0.10	101	70	130	0.7	20	
Calcium		110	mg/L	1.0	101	70	130	5.5	20	
Iron		1.99	mg/L	0.030	97	70	130	2.2	20	
Magnesium		100	mg/L	1.0	97	70	130	2.6	20	
Potassium		91.7	mg/L	1.0	88	70	130	1.7	20	
Silicon		5.29	mg/L	0.10		70	130	1	20	A
Sodium		238	mg/L	1.0	97	70	130	2.2	20	
Sample ID: C09060692-011BMS2	8	Sample Matrix Spike				Run: ICP2-C_090701A				07/01/09 20:44
Aluminum		2.09	mg/L	0.10	103	70	130			
Boron		2.10	mg/L	0.10	103	70	130			
Calcium		110	mg/L	1.0	100	70	130			
Iron		2.04	mg/L	0.030	96	70	130			
Magnesium		98.3	mg/L	1.0	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120371
Sample ID: C09060692-011BMS2	8	Sample Matrix Spike				Run: ICP2-C_090701A				07/01/09 20:44
Potassium		91.5	mg/L	1.0	88	70	130			
Silicon		5.12	mg/L	0.10		70	130			A
Sodium		234	mg/L	1.0	100	70	130			
Sample ID: C09060692-011BMSD	8	Sample Matrix Spike Duplicate				Run: ICP2-C_090701A				07/01/09 20:48
Aluminum		2.12	mg/L	0.10	104	70	130	1.2	20	
Boron		2.16	mg/L	0.10	106	70	130	3.2	20	
Calcium		108	mg/L	1.0	98	70	130	1.3	20	
Iron		2.10	mg/L	0.030	99	70	130	3	20	
Magnesium		98.8	mg/L	1.0	96	70	130	0.5	20	
Potassium		90.9	mg/L	1.0	88	70	130	0.6	20	
Silicon		5.17	mg/L	0.10		70	130	0.9	20	A
Sodium		234	mg/L	1.0	100	70	130	0.1	20	
Method: E200.7										Batch: R120580
Sample ID: MB-090707A	3	Method Blank				Run: ICP2-C_090707A				07/07/09 14:31
Aluminum		ND	mg/L	0.03						
Iron		ND	mg/L	0.005						
Manganese		ND	mg/L	0.001						
Sample ID: LFB-090707A	3	Laboratory Fortified Blank				Run: ICP2-C_090707A				07/07/09 14:35
Aluminum		0.931	mg/L	0.10	93	85	115			
Iron		0.939	mg/L	0.030	94	85	115			
Manganese		0.920	mg/L	0.010	92	85	115			
Sample ID: C09060692-001CMS2	3	Sample Matrix Spike				Run: ICP2-C_090707A				07/08/09 03:16
Aluminum		2.07	mg/L	0.16	101	70	130			
Iron		1.94	mg/L	0.067	95	70	130			
Manganese		1.99	mg/L	0.014	97	70	130			
Sample ID: C09060692-001CMSD	3	Sample Matrix Spike Duplicate				Run: ICP2-C_090707A				07/08/09 03:20
Aluminum		1.91	mg/L	0.16	93	70	130	8.3	20	
Iron		1.91	mg/L	0.067	94	70	130	1.3	20	
Manganese		1.99	mg/L	0.014	97	70	130	0	20	
Sample ID: C09060692-010CMS2	3	Sample Matrix Spike				Run: ICP2-C_090707A				07/08/09 05:10
Aluminum		2.33	mg/L	0.16	96	70	130			
Iron		2.58	mg/L	0.067	96	70	130			
Manganese		1.98	mg/L	0.014	96	70	130			
Sample ID: C09060692-010CMSD	3	Sample Matrix Spike Duplicate				Run: ICP2-C_090707A				07/08/09 05:14
Aluminum		2.35	mg/L	0.16	97	70	130	0.9	20	
Iron		2.60	mg/L	0.067	97	70	130	0.6	20	
Manganese		2.03	mg/L	0.014	99	70	130	2.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120772
Sample ID: MB-090713A		Method Blank				Run: ICP2-C_090713A				07/13/09 11:06
Iron		ND	mg/L	0.005						
Sample ID: LFB-090713A		Laboratory Fortified Blank				Run: ICP2-C_090713A				07/13/09 11:10
Iron		0.936	mg/L	0.030	94	85	115			
Sample ID: MB-22948		Method Blank				Run: ICP2-C_090713A				07/13/09 15:06
Iron		ND	mg/L	0.01						
Sample ID: C09060801-001BMS2		Sample Matrix Spike				Run: ICP2-C_090713A				07/13/09 20:41
Iron		2.08	mg/L	0.030	102	70	130			
Sample ID: C09060801-001BMSD		Sample Matrix Spike Duplicate				Run: ICP2-C_090713A				07/13/09 20:45
Iron		2.08	mg/L	0.030	102	70	130	0.1	20	

Qualifiers:

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R119794
Sample ID: LRB	14	Method Blank				Run: ICPMS2-C_090618A				06/18/09 12:22
Arsenic		ND	mg/L	0.0003						
Barium		ND	mg/L	3E-05						
Cadmium		ND	mg/L	6E-05						
Chromium		ND	mg/L	8E-05						
Copper		ND	mg/L	4E-05						
Lead		ND	mg/L	2E-05						
Manganese		ND	mg/L	5E-05						
Mercury		ND	mg/L	4E-05						
Molybdenum		ND	mg/L	4E-05						
Nickel		ND	mg/L	9E-05						
Selenium		ND	mg/L	0.001						
Uranium		ND	mg/L	8E-06						
Vanadium		ND	mg/L	9E-05						
Zinc		0.0003	mg/L	6E-05						
Sample ID: LFB	14	Laboratory Fortified Blank				Run: ICPMS2-C_090618A				06/18/09 12:29
Arsenic		0.0523	mg/L	0.0010	105	85	115			
Barium		0.0523	mg/L	0.0010	105	85	115			
Cadmium		0.0520	mg/L	0.0010	104	85	115			
Chromium		0.0520	mg/L	0.0010	104	85	115			
Copper		0.0524	mg/L	0.0010	105	85	115			
Lead		0.0516	mg/L	0.0010	103	85	115			
Manganese		0.0505	mg/L	0.0010	101	85	115			
Mercury		0.00523	mg/L	0.0010	105	85	115			
Molybdenum		0.0517	mg/L	0.0010	103	85	115			
Nickel		0.0523	mg/L	0.0010	105	85	115			
Selenium		0.0524	mg/L	0.0014	105	85	115			
Uranium		0.0518	mg/L	0.00030	104	85	115			
Vanadium		0.0510	mg/L	0.0010	102	85	115			
Zinc		0.0545	mg/L	0.0010	108	85	115			
Sample ID: C09060692-002BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090618A				06/18/09 23:09
Arsenic		0.0535	mg/L	0.0010	105	70	130			
Barium		0.0683	mg/L	0.0010	106	70	130			
Cadmium		0.0522	mg/L	0.010	104	70	130			
Chromium		0.0490	mg/L	0.0010	98	70	130			
Copper		0.0496	mg/L	0.010	99	70	130			
Lead		0.0515	mg/L	0.050	103	70	130			
Manganese		0.0566	mg/L	0.010	97	70	130			
Mercury		0.00524	mg/L	0.0010	105	70	130			
Molybdenum		0.0556	mg/L	0.0010	108	70	130			
Nickel		0.0496	mg/L	0.0010	99	70	130			
Selenium		0.0532	mg/L	0.0010	102	70	130			
Uranium		0.0598	mg/L	0.00030	108	70	130			

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R119794
Sample ID: C09060692-002BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090618A				06/18/09 23:09
Vanadium		0.0509	mg/L	0.0010	101	70	130			
Zinc		0.0540	mg/L	0.010	105	70	130			
Sample ID: C09060692-002BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_090618A				06/18/09 23:16
Arsenic		0.0534	mg/L	0.0010	105	70	130	0.2	20	
Barium		0.0678	mg/L	0.0010	105	70	130	0.8	20	
Cadmium		0.0519	mg/L	0.010	104	70	130	0.7	20	
Chromium		0.0497	mg/L	0.0010	99	70	130	1.4	20	
Copper		0.0496	mg/L	0.010	99	70	130	0	20	
Lead		0.0515	mg/L	0.050	103	70	130	0	20	
Manganese		0.0575	mg/L	0.010	99	70	130	1.5	20	
Mercury		0.00528	mg/L	0.0010	106	70	130	0.8	20	
Molybdenum		0.0556	mg/L	0.0010	108	70	130	0.1	20	
Nickel		0.0495	mg/L	0.0010	99	70	130	0.2	20	
Selenium		0.0524	mg/L	0.0010	100	70	130	1.4	20	
Uranium		0.0600	mg/L	0.00030	108	70	130	0.3	20	
Vanadium		0.0516	mg/L	0.0010	102	70	130	1.3	20	
Zinc		0.0540	mg/L	0.010	105	70	130	0.1	20	
Sample ID: C09060692-012BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090618A				06/19/09 00:57
Arsenic		0.0531	mg/L	0.0010	103	70	130			
Barium		0.0639	mg/L	0.10	104	70	130			
Cadmium		0.0513	mg/L	0.010	103	70	130			
Chromium		0.0491	mg/L	0.050	98	70	130			
Copper		0.0489	mg/L	0.010	97	70	130			
Lead		0.0500	mg/L	0.050	100	70	130			
Manganese		0.0549	mg/L	0.010	98	70	130			
Mercury		0.00532	mg/L	0.0010	106	70	130			
Molybdenum		0.0547	mg/L	0.10	106	70	130			
Nickel		0.0488	mg/L	0.050	98	70	130			
Selenium		0.0514	mg/L	0.0010	102	70	130			
Uranium		0.0686	mg/L	0.00030	106	70	130			
Vanadium		0.0503	mg/L	0.10	100	70	130			
Zinc		0.0622	mg/L	0.010	119	70	130			
Sample ID: C09060692-012BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_090618A				06/19/09 01:04
Arsenic		0.0532	mg/L	0.0010	103	70	130	0.2	20	
Barium		0.0634	mg/L	0.10	103	70	130		20	
Cadmium		0.0509	mg/L	0.010	102	70	130	0.8	20	
Chromium		0.0489	mg/L	0.050	98	70	130		20	
Copper		0.0485	mg/L	0.010	97	70	130	0.7	20	
Lead		0.0515	mg/L	0.050	103	70	130	2.8	20	
Manganese		0.0546	mg/L	0.010	97	70	130	0.4	20	
Mercury		0.00548	mg/L	0.0010	110	70	130	3	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R119794
Sample ID: C09060692-012BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_090618A				06/19/09 01:04
Molybdenum		0.0541	mg/L	0.10	105	70	130		20	
Nickel		0.0485	mg/L	0.050	97	70	130		20	
Selenium		0.0506	mg/L	0.0010	100	70	130	1.6	20	
Uranium		0.0715	mg/L	0.00030	111	70	130	4.1	20	
Vanadium		0.0510	mg/L	0.10	102	70	130		20	
Zinc		0.0641	mg/L	0.010	123	70	130	3.1	20	
Method: E300.0										Batch: R119880
Sample ID: LCS	2	Laboratory Control Sample				Run: IC1-C_090618A				06/18/09 23:25
Chloride		9.78	mg/L	1.0	98	90	110			
Sulfate		38.2	mg/L	1.0	96	90	110			
Sample ID: MBLK	2	Method Blank				Run: IC1-C_090618A				06/18/09 23:40
Chloride		ND	mg/L	0.04						
Sulfate		ND	mg/L	0.1						
Sample ID: C09060692-006AMS	2	Sample Matrix Spike				Run: IC1-C_090618A				06/19/09 09:10
Chloride		56.1	mg/L	1.0	99	90	110			
Sulfate		386	mg/L	1.0	101	90	110			
Sample ID: C09060692-006AMSD	2	Sample Matrix Spike Duplicate				Run: IC1-C_090618A				06/19/09 09:26
Chloride		56.4	mg/L	1.0	99	90	110	0.6	20	
Sulfate		387	mg/L	1.0	101	90	110	0.2	20	
Sample ID: C09060708-001AMS	2	Sample Matrix Spike				Run: IC1-C_090618A				06/19/09 12:00
Chloride		222	mg/L	1.0	82	90	110			S
Sulfate		855	mg/L	1.0	81	90	110			S
Sample ID: C09060708-001AMSD	2	Sample Matrix Spike Duplicate				Run: IC1-C_090618A				06/19/09 12:15
Chloride		221	mg/L	1.0	81	90	110	0.2	20	S
Sulfate		852	mg/L	1.0	79	90	110	0.3	20	S

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1										Batch: B_R131498
Sample ID: MBLK		Method Blank				Run: SUB-B131498				06/19/09 12:45
Nitrogen, Ammonia as N		ND	mg/L	0.02						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131498				06/19/09 12:46
Nitrogen, Ammonia as N		1.03	mg/L	0.10	104	90	110			
Sample ID: B09061643-001EMS		Sample Matrix Spike				Run: SUB-B131498				06/19/09 12:52
Nitrogen, Ammonia as N		1.02	mg/L	0.050	99	90	110			
Sample ID: B09061643-001EMSD		Sample Matrix Spike Duplicate				Run: SUB-B131498				06/19/09 12:54
Nitrogen, Ammonia as N		1.00	mg/L	0.050	97	90	110	1.8	10	
Sample ID: C09060692-005E		Sample Matrix Spike				Run: SUB-B131498				06/19/09 13:07
Nitrogen, Ammonia as N		1.01	mg/L	0.050	101	90	110			
Sample ID: C09060692-005E		Sample Matrix Spike Duplicate				Run: SUB-B131498				06/19/09 13:08
Nitrogen, Ammonia as N		0.993	mg/L	0.050	99	90	110	2.1	10	
Method: E353.2										Batch: B_R131565
Sample ID: MBLK		Method Blank				Run: SUB-B131565				06/22/09 09:48
Nitrogen, Nitrate+Nitrite as N		0.002	mg/L	0.002						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131565				06/22/09 09:50
Nitrogen, Nitrate+Nitrite as N		0.977	mg/L	0.050	99	90	110			
Sample ID: B09061821-009CMS		Sample Matrix Spike				Run: SUB-B131565				06/22/09 12:02
Nitrogen, Nitrate+Nitrite as N		2.49	mg/L	0.050	103	90	110			
Sample ID: B09061821-009CMSD		Sample Matrix Spike Duplicate				Run: SUB-B131565				06/22/09 12:03
Nitrogen, Nitrate+Nitrite as N		2.47	mg/L	0.050	102	90	110	0.6	10	
Sample ID: B09061786-002EMS		Sample Matrix Spike				Run: SUB-B131565				06/22/09 11:29
Nitrogen, Nitrate+Nitrite as N		0.992	mg/L	0.050	101	90	110			
Sample ID: B09061786-002EMSD		Sample Matrix Spike Duplicate				Run: SUB-B131565				06/22/09 11:30
Nitrogen, Nitrate+Nitrite as N		1.00	mg/L	0.050	101	90	110	0.8	10	

Qualifiers:

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-0685
Sample ID: MB-GrAB-0685	6	Method Blank				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		-2	pCi/L							U
Gross Alpha precision (±)		0.7	pCi/L							
Gross Alpha MDC		0.9	pCi/L							
Gross Beta		-2	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Sample ID: UNAT-GrAB-0685		Laboratory Control Sample				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		160	pCi/L		114	70	130			
Sample ID: Cs137-GrAB-0685		Laboratory Control Sample				Run: G5000W_090624B				06/29/09 21:22
Gross Beta		86	pCi/L		95	70	130			
Sample ID: C09060736-002DMS		Sample Matrix Spike				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		181	pCi/L		131	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.										
Sample ID: C09060736-002DMSD		Sample Matrix Spike Duplicate				Run: G5000W_090624B				06/29/09 21:22
Gross Alpha		191	pCi/L		138	70	130	5.4	17.4	S
Sample ID: C09060736-002DMS		Sample Matrix Spike				Run: G5000W_090624B				06/29/09 21:22
Gross Beta		95.9	pCi/L		98	70	130			
Sample ID: C09060736-002DMSD		Sample Matrix Spike Duplicate				Run: G5000W_090624B				06/29/09 21:22
Gross Beta		97.5	pCi/L		100	70	130	1.6	15.9	

Qualifiers:

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U - Not detected at minimum detectable concentration
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Cogema Mining Inc
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Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-0688
Sample ID: MB-GrAB-0688	6	Method Blank				Run: TENNELEC-3_090629A				07/02/09 04:00
Gross Alpha		1	pCi/L							
Gross Alpha precision (±)		0.7	pCi/L							
Gross Alpha MDC		0.6	pCi/L							
Gross Beta		-2	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Sample ID: UNAT-GrAB-0688		Laboratory Control Sample				Run: TENNELEC-3_090629A				07/02/09 04:00
Gross Alpha		140	pCi/L		103	70	130			
Sample ID: Cs137-GrAB-0688		Laboratory Control Sample				Run: TENNELEC-3_090629A				07/02/09 04:01
Gross Beta		97	pCi/L		107	70	130			
Sample ID: C09060692-004DMS		Sample Matrix Spike				Run: TENNELEC-3_090629A				07/02/09 04:01
Gross Alpha		180	pCi/L		127	70	130			
Sample ID: C09060692-004DMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090629A				07/02/09 04:01
Gross Alpha		200	pCi/L		142	70	130	10	16.6	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and MS are acceptable the batch is approved.										
Sample ID: C09060692-005DMS		Sample Matrix Spike				Run: TENNELEC-3_090629A				07/02/09 04:00
Gross Beta		95.0	pCi/L		100	70	130			
Sample ID: C09060692-005DMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090629A				07/02/09 04:00
Gross Beta		93.2	pCi/L		98	70	130	2	16.1	
Method: E903.0										Batch: RA226-3762
Sample ID: C09060754-001CMS		Sample Matrix Spike				Run: BERTHOLD 770-2_090619B				06/30/09 23:40
Radium 226		36	pCi/L		89	70	130			
Sample ID: C09060754-001CMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_090619B				06/30/09 23:40
Radium 226		38	pCi/L		103	70	130	5.2	19.8	
Sample ID: MB-RA226-3762	3	Method Blank				Run: BERTHOLD 770-2_090619B				07/01/09 01:20
Radium 226		-0.1	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Sample ID: LCS-RA226-3762		Laboratory Control Sample				Run: BERTHOLD 770-2_090619B				07/01/09 01:20
Radium 226		7.3	pCi/L		93	70	130			

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/16/09
Work Order: C09060692

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-3763
Sample ID: C09060754-003CMS		Sample Matrix Spike				Run: BERTHOLD 770-2_090619A				06/30/09 15:27
Radium 226		22	pCi/L		84	70	130			
Sample ID: C09060754-003CMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_090619A				06/30/09 17:00
Radium 226		23	pCi/L		88	70	130	1.3	21.2	
Sample ID: MB-RA226-3763	3	Method Blank				Run: BERTHOLD 770-2_090619A				06/30/09 17:00
Radium 226		-0.06	pCi/L							U
Radium 226 precision (±)		0.10	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Sample ID: LCS-RA226-3763		Laboratory Control Sample				Run: BERTHOLD 770-2_090619A				06/30/09 17:00
Radium 226		5.9	pCi/L		76	70	130			
Method: RA-05										Batch: RA228-2728
Sample ID: LCS-228-RA226-3762		Laboratory Control Sample				Run: TENNELEC-3_090619C				06/25/09 11:57
Radium 228		7.3	pCi/L		94	70	130			
Sample ID: MB-RA226-3762	3	Method Blank				Run: TENNELEC-3_090619C				06/25/09 11:57
Radium 228		-0.8	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C09060754-002CMS		Sample Matrix Spike				Run: TENNELEC-3_090619C				06/25/09 11:57
Radium 228		31	pCi/L		103	70	130			
Sample ID: C09060754-002CMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090619C				06/25/09 11:57
Radium 228		28	pCi/L		92	70	130	7.5	26.8	
Method: RA-05										Batch: RA228-2729
Sample ID: LCS-228-RA226-3763		Laboratory Control Sample				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		8.44	pCi/L		101	70	130			
Sample ID: MB-RA226-3763	3	Method Blank				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		-0.2	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C09060754-004CMS		Sample Matrix Spike				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		17.0	pCi/L		90	70	130			
Sample ID: C09060754-004CMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		17.0	pCi/L		91	70	130	0.3	32.3	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc. ; PO Box 730 Mills, WY 82644
Phone 738-2464 (Irigaray Mine) or 234-5019 (Mills Office)

17° on ice
cooler - various

Samples shipped to Energy Lab; Casper, WY

Submitted by J. Richards Date 6/16/09 Received by [illegible] Date 6/17/09 836

Sample Description: CR Guideline 8

Analysis Requested*: ASSAY SUITE A; Water quality parameters listed in the Wyoming DEQ Guideline # 8, for uranium mines.

Send Analysis Results to Larry Abogast
e-mail copies to larry.abogast@areva.com &
hdemuth@petrotek.com

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	3MW36-2	6/16/09	1 Liter		X			
			500 ml	X		X		
			500 ml		X	X		
			2 Liter	X		X		
			500 ml		X		X	
2	2MW108		**	**	**	**	**	
3	2MW109		**	**	**	**	**	
4	2MW101		**	**	**	**	**	
5	2MW111		**	**	**	**	**	
6	BD		**	**	**	**	**	
7	2S100-2		**	**	**	**	**	
8	2MW105		**	**	**	**	**	
9	4/114-1		**	**	**	**	**	
10	4MW20		**	**	**	**	**	
11	4MW21		**	**	**	**	**	
12	4MW19		**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	
16			**	**	**	**	**	
17			**	**	**	**	**	
18			**	**	**	**	**	

* All analysis will be performed in accordance with EPA approved procedures and/or the latest edition of Standards Methods.

** Same as sample # 1.

8

\excel\ENV-FORM\SUB-G8 (6-8-94 JV)

C09060692

Energy Laboratories Inc
Workorder Receipt Checklist

C09060692

Cogema Mining Inc

Login completed by: Corinne Wagner

Date and Time Received: 6/17/2009 8:36 AM

Reviewed by:

Received by: al

Reviewed Date:

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	17°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
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CLIENT: Cogema Mining Inc
Project: CR Guideline 8
Sample Delivery Group: C09060692

Date: 16-Jul-09

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

July 20, 2009

Cogema Mining Inc
935 Pendell Blvd
Mills, WY 82644

Workorder No.: C09060738

Project Name: CR Guideline 8

Energy Laboratories, Inc. received the following 10 samples for Cogema Mining Inc on 6/18/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09060738-001	4MW3	06/17/09 0:00	06/18/09	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Conductivity Fluoride E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved
C09060738-002	4MW6	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-003	4U110-1	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-004	6MW45	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-005	6MW43	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-006	6M29-1	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-007	BD	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-008	6MW27	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-009	6MW34	06/17/09 0:00	06/18/09	Aqueous	Same As Above
C09060738-010	5MW16	06/17/09 0:00	06/18/09	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Kathryn Hamre

Kathryn Hamre
Report Proofing Specialist

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-001
Client Sample ID: 4MW3

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	6	mg/L		1		A2320 B	06/23/09 16:47 / ljl
Bicarbonate as HCO3	108	mg/L		1		A2320 B	06/23/09 16:47 / ljl
Calcium	7	mg/L		1		E200.7	07/08/09 15:11 / cp
Chloride	12	mg/L		1		E300.0	06/24/09 02:38 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/25/09 02:30 / ljl
Magnesium	1	mg/L		1		E200.7	07/08/09 15:11 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/22/09 15:29 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:40 / eli-b
Potassium	1	mg/L		1		E200.7	07/08/09 15:11 / cp
Silica	9.7	mg/L		0.2		E200.7	07/08/09 15:11 / cp
Sodium	130	mg/L		1		E200.7	07/08/09 15:11 / cp
Sulfate	197	mg/L		1		E300.0	06/24/09 02:38 / ljl
PHYSICAL PROPERTIES							
Conductivity	673	umhos/cm		1		A2510 B	06/19/09 12:48 / dd
pH	8.91	s.u.		0.01		A4500-H B	06/19/09 12:48 / dd
Solids, Total Dissolved TDS @ 180 C	429	mg/L		10		A2540 C	06/22/09 10:16 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 15:11 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/24/09 03:25 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 03:25 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 15:11 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 03:25 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 03:25 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 03:25 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 15:11 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 03:25 / ts
Manganese	ND	mg/L		0.01		E200.8	06/24/09 03:25 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 03:25 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 03:25 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 03:25 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 03:25 / ts
Uranium	0.0187	mg/L		0.0003		E200.8	06/24/09 03:25 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 03:25 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 03:25 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 18:41 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 18:41 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-001
Client Sample ID: 4MW3

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	35.9	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	3.5	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	2.9	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	3.3	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	2.8	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	0.23	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 precision (±)	0.14	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 226 MDC	0.18	pCi/L				E903.0	06/30/09 15:27 / jah
Radium 228	0.03	pCi/L	U			RA-05	06/25/09 14:02 / trs
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/25/09 14:02 / trs
Radium 228 MDC	1.1	pCi/L				RA-05	06/25/09 14:02 / trs
DATA QUALITY							
A/C Balance (± 5)	-2.08	%				Calculation	07/10/09 15:48 / kbh
Anions	6.41	meq/L				Calculation	07/10/09 15:48 / kbh
Cations	6.14	meq/L				Calculation	07/10/09 15:48 / kbh
Solids, Total Dissolved Calculated	420	mg/L				Calculation	07/10/09 15:48 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	07/10/09 15:48 / kbh

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-002
Client Sample ID: 4MW6

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	5	mg/L		1		A2320 B	06/23/09 16:54 / ljl
Bicarbonate as HCO3	114	mg/L		1		A2320 B	06/23/09 16:54 / ljl
Calcium	8	mg/L		1		E200.7	07/08/09 15:23 / cp
Chloride	7	mg/L		1		E300.0	06/24/09 02:54 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/25/09 02:46 / ljl
Magnesium	ND	mg/L		1		E200.7	07/08/09 15:23 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/22/09 15:33 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:41 / eli-b
Potassium	1	mg/L		1		E200.7	07/08/09 15:23 / cp
Silica	9.6	mg/L		0.2		E200.7	07/08/09 15:23 / cp
Sodium	131	mg/L		1		E200.7	07/08/09 15:23 / cp
Sulfate	197	mg/L		1		E300.0	06/24/09 02:54 / ljl
PHYSICAL PROPERTIES							
Conductivity	664	umhos/cm		1		A2510 B	06/19/09 13:07 / dd
pH	8.73	s.u.		0.01		A4500-H B	06/19/09 13:07 / dd
Solids, Total Dissolved TDS @ 180 C	399	mg/L		10		A2540 C	06/22/09 10:16 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 15:23 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/24/09 03:32 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 03:32 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 15:23 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 03:32 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 03:32 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 03:32 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 15:23 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 03:32 / ts
Manganese	ND	mg/L		0.01		E200.8	06/24/09 03:32 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 03:32 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 03:32 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 03:32 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 03:32 / ts
Uranium	0.0004	mg/L		0.0003		E200.8	06/24/09 03:32 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 03:32 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 03:32 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 18:45 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 18:45 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-002
Client Sample ID: 4MW6

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	-1	pCi/L	U			E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	1.6	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	2.9	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	1	pCi/L	U			E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	2.8	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	0.04	pCi/L	U			E903.0	07/06/09 11:34 / jah
Radium 226 precision (±)	0.18	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 MDC	0.30	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 228	0.2	pCi/L	U			RA-05	06/29/09 14:38 / plj
Radium 228 precision (±)	1	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 MDC	1.6	pCi/L				RA-05	06/29/09 14:38 / plj
- See Case Narrative regarding Ra226 analysis.							
DATA QUALITY							
A/C Balance (± 5)	-1.34	%				Calculation	07/10/09 15:50 / kbh
Anions	6.37	meq/L				Calculation	07/10/09 15:50 / kbh
Cations	6.20	meq/L				Calculation	07/10/09 15:50 / kbh
Solids, Total Dissolved Calculated	419	mg/L				Calculation	07/10/09 15:50 / kbh
TDS Balance (0.80 - 1.20)	0.950					Calculation	07/10/09 15:50 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-003
Client Sample ID: 4U110-1

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	2	mg/L		1		A2320 B	06/23/09 17:02 / ljl
Bicarbonate as HCO3	272	mg/L		1		A2320 B	06/23/09 17:02 / ljl
Calcium	10	mg/L		1		E200.7	07/08/09 15:31 / cp
Chloride	7	mg/L		1		E300.0	06/24/09 03:40 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/25/09 02:49 / ljl
Magnesium	2	mg/L		1		E200.7	07/08/09 15:31 / cp
Nitrogen, Ammonia as N	0.23	mg/L		0.05		E350.1	06/22/09 15:34 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:42 / eli-b
Potassium	ND	mg/L		1		E200.7	07/08/09 15:31 / cp
Silica	4.4	mg/L		0.2		E200.7	07/08/09 15:31 / cp
Sodium	122	mg/L		1		E200.7	07/08/09 15:31 / cp
Sulfate	66	mg/L		1		E300.0	06/24/09 03:40 / ljl
PHYSICAL PROPERTIES							
Conductivity	591	umhos/cm		1		A2510 B	06/19/09 13:09 / dd
pH	8.03	s.u.		0.01		A4500-H B	06/19/09 13:09 / dd
Solids, Total Dissolved TDS @ 180 C	367	mg/L		10		A2540 C	06/22/09 10:17 / emm
METALS - DISSOLVED							
Aluminum	0.1	mg/L		0.1		E200.7	07/08/09 15:31 / cp
Arsenic	0.003	mg/L		0.001		E200.8	06/24/09 03:38 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 03:38 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 15:31 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 03:38 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 03:38 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 03:38 / ts
Iron	0.10	mg/L		0.03		E200.7	07/08/09 15:31 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 03:38 / ts
Manganese	0.10	mg/L		0.01		E200.8	06/24/09 03:38 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 03:38 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 03:38 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 03:38 / ts
Selenium	0.226	mg/L		0.001		E200.8	06/24/09 03:38 / ts
Uranium	0.316	mg/L		0.0003		E200.8	06/24/09 03:38 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 03:38 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 03:38 / ts
METALS - TOTAL							
Iron	0.22	mg/L		0.03		E200.7	07/08/09 18:49 / cp
Manganese	0.10	mg/L		0.01		E200.7	07/08/09 18:49 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-003
Client Sample ID: 4U110-1

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	947	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	15.1	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	2.8	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	382	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	5.1	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	2.8	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	137	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 precision (±)	2.5	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 MDC	0.23	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 228	1	pCi/L	U			RA-05	06/29/09 14:38 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/29/09 14:38 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.528	%				Calculation	07/10/09 15:51 / kbh
Anions	6.10	meq/L				Calculation	07/10/09 15:51 / kbh
Cations	6.03	meq/L				Calculation	07/10/09 15:51 / kbh
Solids, Total Dissolved Calculated	350	mg/L				Calculation	07/10/09 15:51 / kbh
TDS Balance (0.80 - 1.20)	1.05					Calculation	07/10/09 15:51 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-004
Client Sample ID: 6MW45

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 17:09 / ljl
Bicarbonate as HCO3	154	mg/L		1		A2320 B	06/23/09 17:09 / ljl
Calcium	21	mg/L		1		E200.7	07/08/09 15:35 / cp
Chloride	4	mg/L		1		E300.0	06/24/09 03:55 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/25/09 02:51 / ljl
Magnesium	3	mg/L		1		E200.7	07/08/09 15:35 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/22/09 15:35 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:43 / eli-b
Potassium	3	mg/L		1		E200.7	07/08/09 15:35 / cp
Silica	8.7	mg/L		0.2		E200.7	07/08/09 15:35 / cp
Sodium	198	mg/L		1		E200.7	07/08/09 15:35 / cp
Sulfate	373	mg/L		1		E300.0	06/24/09 03:55 / ljl
PHYSICAL PROPERTIES							
Conductivity	1060	umhos/cm		1		A2510 B	07/13/09 11:35 / tlb
pH	8.24	s.u.		0.01		A4500-H B	06/19/09 13:10 / dd
Solids, Total Dissolved TDS @ 180 C	700	mg/L	H	10		A2540 C	07/15/09 16:01 / emm
- H-Original analysis was done within hold time. Data is from recheck analysis.							
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 15:35 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 03:45 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 03:45 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 15:35 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 03:45 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 03:45 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 03:45 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 15:35 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 03:45 / ts
Manganese	0.03	mg/L		0.01		E200.8	06/24/09 03:45 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 03:45 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 03:45 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 03:45 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 03:45 / ts
Uranium	0.0069	mg/L		0.0003		E200.8	06/24/09 03:45 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 03:45 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 03:45 / ts
METALS - TOTAL							
Iron	0.46	mg/L		0.03		E200.7	07/08/09 18:53 / cp
Manganese	0.03	mg/L		0.01		E200.7	07/08/09 18:53 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-004
Client Sample ID: 6MW45

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	19.1	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	3.7	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	4.4	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	4.7	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	1.9	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	3.1	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	1.7	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 precision (±)	0.35	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 MDC	0.27	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 228	1.6	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 precision (±)	1	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 MDC	1.5	pCi/L				RA-05	06/29/09 14:38 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.95	%				Calculation	07/17/09 13:21 / kbh
Anions	10.4	meq/L				Calculation	07/17/09 13:21 / kbh
Cations	10.0	meq/L				Calculation	07/17/09 13:21 / kbh
Solids, Total Dissolved Calculated	690	mg/L				Calculation	07/17/09 13:21 / kbh
TDS Balance (0.80 - 1.20)	1.01					Calculation	07/17/09 13:21 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-005
Client Sample ID: 6MW43

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 17:40 / ljl
Bicarbonate as HCO3	179	mg/L		1		A2320 B	06/23/09 17:40 / ljl
Calcium	36	mg/L		1		E200.7	07/08/09 15:39 / cp
Chloride	10	mg/L		1		E300.0	06/24/09 04:11 / ljl
Fluoride	0.1	mg/L		0.1		A4500-F C	06/25/09 02:54 / ljl
Magnesium	5	mg/L		1		E200.7	07/08/09 15:39 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/22/09 15:36 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:44 / eli-b
Potassium	4	mg/L		1		E200.7	07/08/09 15:39 / cp
Silica	9.4	mg/L		0.2		E200.7	07/08/09 15:39 / cp
Sodium	264	mg/L		1		E200.7	07/08/09 15:39 / cp
Sulfate	517	mg/L		1		E300.0	06/24/09 04:11 / ljl
PHYSICAL PROPERTIES							
Conductivity	1390	umhos/cm		1		A2510 B	06/19/09 13:13 / dd
pH	8.25	s.u.		0.01		A4500-H B	06/19/09 13:13 / dd
Solids, Total Dissolved TDS @ 180 C	897	mg/L		10		A2540 C	06/22/09 10:17 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 15:39 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 03:52 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 03:52 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 15:39 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 03:52 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 03:52 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 03:52 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 15:39 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 03:52 / ts
Manganese	0.04	mg/L		0.01		E200.8	06/24/09 03:52 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 03:52 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 03:52 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 03:52 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 03:52 / ts
Uranium	0.0134	mg/L		0.0003		E200.8	06/24/09 03:52 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 03:52 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 03:52 / ts
METALS - TOTAL							
Iron	0.03	mg/L		0.03		E200.7	07/08/09 19:46 / cp
Manganese	0.04	mg/L		0.01		E200.7	07/08/09 19:46 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-005
Client Sample ID: 6MW43

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	31.6	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	5.2	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	5.8	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	5.3	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	2.6	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	4.2	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	1.8	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 precision (±)	0.35	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 MDC	0.26	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 228	2.3	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 precision (±)	0.9	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 MDC	1.4	pCi/L				RA-05	06/29/09 14:38 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.738	%				Calculation	07/11/09 12:02 / kbh
Anions	14.0	meq/L				Calculation	07/11/09 12:02 / kbh
Cations	13.8	meq/L				Calculation	07/11/09 12:02 / kbh
Solids, Total Dissolved Calculated	935	mg/L				Calculation	07/11/09 12:02 / kbh
TDS Balance (0.80 - 1.20)	0.960					Calculation	07/11/09 12:02 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-006
Client Sample ID: 6M29-1

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 17:49 / ljl
Bicarbonate as HCO3	777	mg/L		1		A2320 B	06/23/09 17:49 / ljl
Calcium	116	mg/L		1		E200.7	07/08/09 15:43 / cp
Chloride	26	mg/L		1		E300.0	06/24/09 04:26 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/25/09 02:58 / ljl
Magnesium	26	mg/L		1		E200.7	07/08/09 15:43 / cp
Nitrogen, Ammonia as N	0.07	mg/L		0.05		E350.1	06/22/09 15:37 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:52 / eli-b
Potassium	6	mg/L		1		E200.7	07/08/09 15:43 / cp
Silica	8.7	mg/L		0.2		E200.7	07/08/09 15:43 / cp
Sodium	300	mg/L		1		E200.7	07/08/09 15:43 / cp
Sulfate	402	mg/L		1		E300.0	06/24/09 04:26 / ljl
PHYSICAL PROPERTIES							
Conductivity	1880	umhos/cm		1		A2510 B	06/19/09 13:15 / dd
pH	7.27	s.u.		0.01		A4500-H B	06/19/09 13:15 / dd
Solids, Total Dissolved TDS @ 180 C	1280	mg/L		10		A2540 C	06/22/09 10:17 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 15:43 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/24/09 03:59 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 03:59 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 15:43 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 03:59 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 03:59 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 03:59 / ts
Iron	0.24	mg/L		0.03		E200.7	07/08/09 15:43 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 03:59 / ts
Manganese	0.28	mg/L		0.01		E200.8	06/24/09 03:59 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 03:59 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 03:59 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 03:59 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 03:59 / ts
Uranium	12.5	mg/L		0.0003		E200.8	06/24/09 03:59 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 03:59 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 03:59 / ts
METALS - TOTAL							
Iron	0.29	mg/L		0.03		E200.7	07/08/09 19:50 / cp
Manganese	0.28	mg/L		0.01		E200.7	07/08/09 19:50 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-006
Client Sample ID: 6M29-1

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	13300	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	102	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	9.2	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	3230	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	22.8	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	7.2	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	257	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 precision (±)	3.5	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 226 MDC	0.23	pCi/L				E903.0	07/06/09 11:34 / jah
Radium 228	3.9	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 precision (±)	0.9	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/29/09 14:38 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.71	%				Calculation	07/11/09 12:03 / kbh
Anions	21.8	meq/L				Calculation	07/11/09 12:03 / kbh
Cations	21.1	meq/L				Calculation	07/11/09 12:03 / kbh
Solids, Total Dissolved Calculated	1270	mg/L				Calculation	07/11/09 12:03 / kbh
TDS Balance (0.80 - 1.20)	1.01					Calculation	07/11/09 12:03 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-007
Client Sample ID: BD

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 17:56 / ljl
Bicarbonate as HCO3	773	mg/L		1		A2320 B	06/23/09 17:56 / ljl
Calcium	114	mg/L		1		E200.7	07/08/09 15:47 / cp
Chloride	26	mg/L		1		E300.0	06/24/09 04:42 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/25/09 03:10 / ljl
Magnesium	26	mg/L		1		E200.7	07/08/09 15:47 / cp
Nitrogen, Ammonia as N	0.07	mg/L		0.05		E350.1	06/22/09 15:39 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:53 / eli-b
Potassium	6	mg/L		1		E200.7	07/08/09 15:47 / cp
Silica	8.5	mg/L		0.2		E200.7	07/08/09 15:47 / cp
Sodium	299	mg/L		1		E200.7	07/08/09 15:47 / cp
Sulfate	408	mg/L		1		E300.0	06/24/09 04:42 / ljl
PHYSICAL PROPERTIES							
Conductivity	1870	umhos/cm		1		A2510 B	06/19/09 13:16 / dd
pH	7.33	s.u.		0.01		A4500-H B	06/19/09 13:16 / dd
Solids, Total Dissolved TDS @ 180 C	1300	mg/L		10		A2540 C	06/22/09 10:18 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 15:47 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/24/09 04:06 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 04:06 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 15:47 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 04:06 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 04:06 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 04:06 / ts
Iron	0.23	mg/L		0.03		E200.7	07/08/09 15:47 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 04:06 / ts
Manganese	0.30	mg/L		0.01		E200.8	06/24/09 04:06 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 04:06 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 04:06 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 04:06 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 04:06 / ts
Uranium	12.9	mg/L		0.0003		E200.8	06/24/09 04:06 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 04:06 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 04:06 / ts
METALS - TOTAL							
Iron	0.28	mg/L		0.03		E200.7	07/08/09 20:02 / cp
Manganese	0.29	mg/L		0.01		E200.7	07/08/09 20:02 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-007
Client Sample ID: BD

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	13700	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	104	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	9.3	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	3250	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	22.9	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	7.2	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	220	pCi/L				E903.0	07/06/09 13:07 / jah
Radium 226 precision (±)	3.3	pCi/L				E903.0	07/06/09 13:07 / jah
Radium 226 MDC	0.24	pCi/L				E903.0	07/06/09 13:07 / jah
Radium 228	4.0	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 precision (±)	0.9	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/29/09 14:38 / plj
DATA QUALITY							
A/C Balance (± 5)	-2.21	%				Calculation	07/11/09 12:04 / kbh
Anions	21.9	meq/L				Calculation	07/11/09 12:04 / kbh
Cations	21.0	meq/L				Calculation	07/11/09 12:04 / kbh
Solids, Total Dissolved Calculated	1270	mg/L				Calculation	07/11/09 12:04 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	07/11/09 12:04 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-008
Client Sample ID: 6MW27

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 18:03 / ljl
Bicarbonate as HCO3	128	mg/L		1		A2320 B	06/23/09 18:03 / ljl
Calcium	28	mg/L		1		E200.7	07/08/09 16:04 / cp
Chloride	6	mg/L		1		E300.0	06/24/09 05:43 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/25/09 03:13 / ljl
Magnesium	5	mg/L		1		E200.7	07/08/09 16:04 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/22/09 15:40 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:54 / eli-b
Potassium	3	mg/L		1		E200.7	07/08/09 16:04 / cp
Silica	9.5	mg/L		0.2		E200.7	07/08/09 16:04 / cp
Sodium	226	mg/L		1		E200.7	07/08/09 16:04 / cp
Sulfate	451	mg/L		1		E300.0	06/24/09 05:43 / ljl
PHYSICAL PROPERTIES							
Conductivity	1190	umhos/cm		1		A2510 B	06/19/09 13:18 / dd
pH	8.17	s.u.		0.01		A4500-H B	06/19/09 13:18 / dd
Solids, Total Dissolved TDS @ 180 C	788	mg/L		10		A2540 C	06/22/09 12:18 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 16:04 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 04:12 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 04:12 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 16:04 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 04:12 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 04:12 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 04:12 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 16:04 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 04:12 / ts
Manganese	ND	mg/L		0.01		E200.8	06/24/09 04:12 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 04:12 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 04:12 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 04:12 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 04:12 / ts
Uranium	0.0083	mg/L		0.0003		E200.8	06/24/09 04:12 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 04:12 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 04:12 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 20:10 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 20:10 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-008
Client Sample ID: 6MW27

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	25.4	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	4.7	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	5.4	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	5.5	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	2.3	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	3.7	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	7.0	pCi/L				E903.0	07/06/09 13:07 / jah
Radium 226 precision (±)	0.59	pCi/L				E903.0	07/06/09 13:07 / jah
Radium 226 MDC	0.23	pCi/L				E903.0	07/06/09 13:07 / jah
Radium 228	-0.05	pCi/L	U			RA-05	06/29/09 14:38 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/29/09 14:38 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/29/09 14:38 / plj
DATA QUALITY							
A/C Balance (± 5)	0.293	%				Calculation	07/11/09 12:04 / kbh
Anions	11.7	meq/L				Calculation	07/11/09 12:04 / kbh
Cations	11.7	meq/L				Calculation	07/11/09 12:04 / kbh
Solids, Total Dissolved Calculated	795	mg/L				Calculation	07/11/09 12:04 / kbh
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/11/09 12:04 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-009
Client Sample ID: 6MW34

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 18:10 / ljl
Bicarbonate as HCO3	85	mg/L		1		A2320 B	06/23/09 18:10 / ljl
Calcium	36	mg/L		1		E200.7	07/08/09 16:08 / cp
Chloride	4	mg/L		1		E300.0	06/24/09 05:59 / ljl
Fluoride	0.1	mg/L		0.1		A4500-F C	06/25/09 03:16 / ljl
Magnesium	6	mg/L		1		E200.7	07/08/09 16:08 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/22/09 15:43 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:55 / eli-b
Potassium	4	mg/L		1		E200.7	07/08/09 16:08 / cp
Silica	10.2	mg/L		0.2		E200.7	07/08/09 16:08 / cp
Sodium	245	mg/L		1		E200.7	07/08/09 16:08 / cp
Sulfate	559	mg/L		1		E300.0	06/24/09 05:59 / ljl
PHYSICAL PROPERTIES							
Conductivity	1330	umhos/cm		1		A2510 B	06/19/09 13:20 / dd
pH	8.08	s.u.		0.01		A4500-H B	06/19/09 13:20 / dd
Solids, Total Dissolved TDS @ 180 C	884	mg/L		10		A2540 C	06/22/09 10:21 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 16:08 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/24/09 04:19 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 04:19 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 16:08 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 04:19 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 04:19 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 04:19 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 16:08 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 04:19 / ts
Manganese	0.01	mg/L		0.01		E200.8	06/24/09 04:19 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 04:19 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 04:19 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 04:19 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 04:19 / ts
Uranium	0.0019	mg/L		0.0003		E200.8	06/24/09 04:19 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 04:19 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 04:19 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 20:14 / cp
Manganese	0.01	mg/L		0.01		E200.7	07/08/09 20:14 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-009
Client Sample ID: 6MW34

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	44.0	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	5.2	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	4.9	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	12.0	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	2.4	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	3.6	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	3.9	pCi/L				E903.0	06/29/09 21:27 / jah
Radium 226 precision (±)	0.44	pCi/L				E903.0	06/29/09 21:27 / jah
Radium 226 MDC	0.22	pCi/L				E903.0	06/29/09 21:27 / jah
Radium 228	1.4	pCi/L				RA-05	06/26/09 08:26 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/26/09 08:26 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/26/09 08:26 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.362	%				Calculation	07/11/09 12:04 / kbh
Anions	13.1	meq/L				Calculation	07/11/09 12:04 / kbh
Cations	13.0	meq/L				Calculation	07/11/09 12:04 / kbh
Solids, Total Dissolved Calculated	908	mg/L				Calculation	07/11/09 12:04 / kbh
TDS Balance (0.80 - 1.20)	0.970					Calculation	07/11/09 12:04 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-010
Client Sample ID: 5MW16

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	3	mg/L		1		A2320 B	06/23/09 18:18 / ljl
Bicarbonate as HCO3	120	mg/L		1		A2320 B	06/23/09 18:18 / ljl
Calcium	11	mg/L		1		E200.7	07/08/09 16:12 / cp
Chloride	7	mg/L		1		E300.0	06/24/09 06:14 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/25/09 03:19 / ljl
Magnesium	2	mg/L		1		E200.7	07/08/09 16:12 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/22/09 15:47 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/23/09 13:48 / eli-b
Potassium	2	mg/L		1		E200.7	07/08/09 16:12 / cp
Silica	9.3	mg/L		0.2		E200.7	07/08/09 16:12 / cp
Sodium	142	mg/L		1		E200.7	07/08/09 16:12 / cp
Sulfate	235	mg/L		1		E300.0	06/24/09 06:14 / ljl
PHYSICAL PROPERTIES							
Conductivity	746	umhos/cm		1		A2510 B	06/19/09 13:22 / dd
pH	8.54	s.u.		0.01		A4500-H B	06/19/09 13:22 / dd
Solids, Total Dissolved TDS @ 180 C	465	mg/L		10		A2540 C	06/22/09 10:21 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 16:12 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/24/09 04:53 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 04:53 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 16:12 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 04:53 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 04:53 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 04:53 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 16:12 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 04:53 / ts
Manganese	0.01	mg/L		0.01		E200.8	06/24/09 04:53 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 04:53 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 04:53 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 04:53 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 04:53 / ts
Uranium	0.0015	mg/L		0.0003		E200.8	06/24/09 04:53 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 04:53 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 04:53 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 20:18 / cp
Manganese	0.01	mg/L		0.01		E200.7	07/08/09 20:18 / cp

Report Definitions:
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QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060738-010
Client Sample ID: 5MW16

Report Date: 07/20/09
Collection Date: 06/17/09
DateReceived: 06/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	4.4	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha precision (±)	2.1	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Alpha MDC	3.1	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta	0.3	pCi/L	U			E900.0	07/06/09 22:46 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	07/06/09 22:46 / cgr
Gross Beta MDC	2.8	pCi/L				E900.0	07/06/09 22:46 / cgr
Radium 226	0.48	pCi/L				E903.0	06/29/09 21:27 / jah
Radium 226 precision (±)	0.19	pCi/L				E903.0	06/29/09 21:27 / jah
Radium 226 MDC	0.22	pCi/L				E903.0	06/29/09 21:27 / jah
Radium 228	0.1	pCi/L	U			RA-05	06/26/09 08:26 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/26/09 08:26 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/26/09 08:26 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.86	%				Calculation	07/11/09 12:05 / kbh
Anions	7.15	meq/L				Calculation	07/11/09 12:05 / kbh
Cations	6.89	meq/L				Calculation	07/11/09 12:05 / kbh
Solids, Total Dissolved Calculated	472	mg/L				Calculation	07/11/09 12:05 / kbh
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/11/09 12:05 / kbh

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U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R120054
Sample ID: MBLK	3	Method Blank				Run: MANTECH_090623A				06/23/09 13:40
Alkalinity, Total as CaCO3		3	mg/L	0.2						
Carbonate as CO3		ND	mg/L	1						
Bicarbonate as HCO3		4	mg/L	1						
Sample ID: LCS1		Laboratory Control Sample				Run: MANTECH_090623A				06/23/09 13:54
Alkalinity, Total as CaCO3		200	mg/L	5.0	98	90	110			
Sample ID: LCS		Laboratory Control Sample				Run: MANTECH_090623A				06/23/09 14:01
Alkalinity, Total as CaCO3		51.7	mg/L	5.0	97	90	110			
Sample ID: C09060730-001AMS		Sample Matrix Spike				Run: MANTECH_090623A				06/23/09 15:25
Alkalinity, Total as CaCO3		270	mg/L	5.0	98	80	120			
Sample ID: C09060730-001AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090623A				06/23/09 15:32
Alkalinity, Total as CaCO3		271	mg/L	5.0	98	80	120	0.2	20	
Method: A2510 B										Analytical Run: ORION555A_090619A
Sample ID: ICV2_090619_1		Initial Calibration Verification Standard								06/19/09 11:58
Conductivity		1390	umhos/cm	1.0	99	90	110			
Method: A2510 B										Batch: 090619_1_PH-W_555A-2
Sample ID: MBLK1_090619_1		Method Blank				Run: ORION555A_090619A				06/19/09 11:54
Conductivity		0.9	umhos/cm	0.2						
Sample ID: C09060738-001ADUP		Sample Duplicate				Run: ORION555A_090619A				06/19/09 12:49
Conductivity		674	umhos/cm	1.0				0.1	10	
Method: A2510 B										Analytical Run: ORION555A-2_090713A
Sample ID: ICV2_090713_1		Initial Calibration Verification Standard								07/13/09 11:27
Conductivity		1400	umhos/cm	1.0	99	90	110			
Method: A2510 B										Batch: 090713_1_PH-W_555A-2
Sample ID: MBLK1_090713_1		Method Blank				Run: ORION555A-2_090713A				07/13/09 11:23
Conductivity		1	umhos/cm	0.2						
Sample ID: C09070329-003ADUP		Sample Duplicate				Run: ORION555A-2_090713A				07/13/09 12:02
Conductivity		360	umhos/cm	1.0				0	10	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: R119953
Sample ID: MBLK1_		Method Blank				Run: BAL-1_090622C				06/22/09 10:10
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	6						
Sample ID: LCS1_		Laboratory Control Sample				Run: BAL-1_090622C				06/22/09 10:10
Solids, Total Dissolved TDS @ 180 C		992	mg/L	10	99	90	110			
Sample ID: C09060737-003AMS		Sample Matrix Spike				Run: BAL-1_090622C				06/22/09 10:14
Solids, Total Dissolved TDS @ 180 C		7340	mg/L	10	101	90	110			
Sample ID: C09060737-003AMSD		Sample Matrix Spike Duplicate				Run: BAL-1_090622C				06/22/09 10:14
Solids, Total Dissolved TDS @ 180 C		7320	mg/L	10	100	90	110	0.2	10	
Method: A2540 C										Batch: R120956
Sample ID: MBLK1_		Method Blank				Run: BAL-1_090716A				07/15/09 15:59
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	6						
Sample ID: LCS1_		Laboratory Control Sample				Run: BAL-1_090716A				07/15/09 15:59
Solids, Total Dissolved TDS @ 180 C		991	mg/L	10	99	90	110			
Sample ID: C09070426-004AMS		Sample Matrix Spike				Run: BAL-1_090716A				07/15/09 16:03
Solids, Total Dissolved TDS @ 180 C		2160	mg/L	10	103	90	110			
Sample ID: C09070426-004AMSD		Sample Matrix Spike Duplicate				Run: BAL-1_090716A				07/15/09 16:03
Solids, Total Dissolved TDS @ 180 C		2140	mg/L	10	101	90	110	1.2	10	
Method: A4500-F C										Batch: R120067
Sample ID: MBLK-1		Method Blank				Run: MANTECH_090624A				06/24/09 22:25
Fluoride		ND	mg/L	0.05						
Sample ID: LCS-1		Laboratory Control Sample				Run: MANTECH_090624A				06/24/09 22:28
Fluoride		1.02	mg/L	0.10	102	90	110			
Sample ID: C06090730-003AMS		Sample Matrix Spike				Run: MANTECH_090624A				06/25/09 02:12
Fluoride		1.51	mg/L	0.10	105	80	120			
Sample ID: C06090730-003AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090624A				06/25/09 02:15
Fluoride		1.51	mg/L	0.10	105	80	120	0	10	
Method: A4500-H B										Analytical Run: ORION555A_090619A
Sample ID: ICV1_090619_1		Initial Calibration Verification Standard								06/19/09 11:56
pH		6.92	s.u.	0.010	101	98	102			
Method: A4500-H B										Batch: 090619_1_PH-W_555A-2
Sample ID: C09060738-001ADUP		Sample Duplicate				Run: ORION555A_090619A				06/19/09 12:49
pH		8.88	s.u.	0.010				0.3	10	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120617
Sample ID: MB-090708A	9	Method Blank				Run: ICP2-C_090708A				07/08/09 14:09
Aluminum		ND	mg/L	0.03						
Boron		ND	mg/L	0.03						
Calcium		ND	mg/L	0.2						
Iron		ND	mg/L	0.005						
Magnesium		ND	mg/L	0.09						
Manganese		ND	mg/L	0.001						
Potassium		ND	mg/L	0.1						
Silicon		0.08	mg/L	0.01						
Sodium		ND	mg/L	0.2						
Sample ID: LFB-090708A	9	Laboratory Fortified Blank				Run: ICP2-C_090708A				07/08/09 14:13
Aluminum		0.929	mg/L	0.10	93	85	115			
Boron		1.05	mg/L	0.10	105	85	115			
Calcium		49.6	mg/L	0.50	99	85	115			
Iron		1.02	mg/L	0.030	102	85	115			
Magnesium		49.8	mg/L	0.50	100	85	115			
Manganese		0.993	mg/L	0.010	99	85	115			
Potassium		46.1	mg/L	0.50	92	85	115			
Silicon		0.511	mg/L	0.015	109	85	115			
Sodium		47.5	mg/L	0.50	95	85	115			
Sample ID: C09060799-005BMS2	9	Sample Matrix Spike				Run: ICP2-C_090708A				07/08/09 18:01
Aluminum		1.98	mg/L	0.10	97	70	130			
Boron		2.14	mg/L	0.10	105	70	130			
Calcium		122	mg/L	1.0	101	70	130			
Iron		1.98	mg/L	0.030	97	70	130			
Magnesium		105	mg/L	1.0	100	70	130			
Manganese		2.06	mg/L	0.010	98	70	130			
Potassium		95.7	mg/L	1.0	92	70	130			
Silicon		4.02	mg/L	0.10	104	70	130			
Sodium		217	mg/L	1.0	100	70	130			
Sample ID: C09060799-005BMSD	9	Sample Matrix Spike Duplicate				Run: ICP2-C_090708A				07/08/09 18:05
Aluminum		2.06	mg/L	0.10	101	70	130	3.6	20	
Boron		2.23	mg/L	0.10	109	70	130	4.1	20	
Calcium		123	mg/L	1.0	102	70	130	0.7	20	
Iron		2.07	mg/L	0.030	101	70	130	4.3	20	
Magnesium		104	mg/L	1.0	99	70	130	0.8	20	
Manganese		2.11	mg/L	0.010	101	70	130	2.2	20	
Potassium		95.9	mg/L	1.0	92	70	130	0.3	20	
Silicon		4.12	mg/L	0.10	116	70	130	2.3	20	
Sodium		222	mg/L	1.0	105	70	130	2.3	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R120024
Sample ID: LRB	14	Method Blank				Run: ICPMS2-C_090623A				06/23/09 13:16
Arsenic		ND	mg/L	0.0003						
Barium		ND	mg/L	3E-05						
Cadmium		ND	mg/L	6E-05						
Chromium		0.0001	mg/L	8E-05						
Copper		9E-05	mg/L	4E-05						
Lead		ND	mg/L	2E-05						
Manganese		ND	mg/L	5E-05						
Mercury		ND	mg/L	4E-05						
Molybdenum		ND	mg/L	4E-05						
Nickel		ND	mg/L	9E-05						
Selenium		ND	mg/L	0.001						
Uranium		ND	mg/L	8E-06						
Vanadium		ND	mg/L	9E-05						
Zinc		0.001	mg/L	6E-05						
Sample ID: LFB	14	Laboratory Fortified Blank				Run: ICPMS2-C_090623A				06/23/09 13:23
Arsenic		0.0520	mg/L	0.0010	104	85	115			
Barium		0.0517	mg/L	0.0010	103	85	115			
Cadmium		0.0520	mg/L	0.0010	104	85	115			
Chromium		0.0525	mg/L	0.0010	105	85	115			
Copper		0.0522	mg/L	0.0010	104	85	115			
Lead		0.0522	mg/L	0.0010	104	85	115			
Manganese		0.0520	mg/L	0.0010	104	85	115			
Mercury		0.00517	mg/L	0.0010	103	85	115			
Molybdenum		0.0524	mg/L	0.0010	105	85	115			
Nickel		0.0517	mg/L	0.0010	103	85	115			
Selenium		0.0521	mg/L	0.0014	104	85	115			
Uranium		0.0502	mg/L	0.00030	100	85	115			
Vanadium		0.0521	mg/L	0.0010	104	85	115			
Zinc		0.0536	mg/L	0.0010	105	85	115			
Sample ID: C09060738-010BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090623A				06/24/09 05:00
Arsenic		0.0523	mg/L	0.0010	102	70	130			
Barium		0.0639	mg/L	0.0010	103	70	130			
Cadmium		0.0501	mg/L	0.010	100	70	130			
Chromium		0.0486	mg/L	0.0010	97	70	130			
Copper		0.0484	mg/L	0.010	96	70	130			
Lead		0.0513	mg/L	0.050	103	70	130			
Manganese		0.0604	mg/L	0.010	98	70	130			
Mercury		0.00539	mg/L	0.0010	108	70	130			
Molybdenum		0.0536	mg/L	0.0010	105	70	130			
Nickel		0.0480	mg/L	0.0010	96	70	130			
Selenium		0.0501	mg/L	0.0010	100	70	130			
Uranium		0.0534	mg/L	0.00030	104	70	130			

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R120024
Sample ID: C09060738-010BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090623A				06/24/09 05:00
Vanadium		0.0505	mg/L	0.0010	101	70	130			
Zinc		0.0531	mg/L	0.010	104	70	130			
Sample ID: C09060738-010BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_090623A				06/24/09 05:06
Arsenic		0.0527	mg/L	0.0010	103	70	130	0.9	20	
Barium		0.0625	mg/L	0.0010	100	70	130	2.1	20	
Cadmium		0.0498	mg/L	0.010	100	70	130	0.6	20	
Chromium		0.0480	mg/L	0.0010	96	70	130	1.3	20	
Copper		0.0490	mg/L	0.010	98	70	130	1.2	20	
Lead		0.0511	mg/L	0.050	102	70	130	0.5	20	
Manganese		0.0594	mg/L	0.010	97	70	130	1.5	20	
Mercury		0.00536	mg/L	0.0010	107	70	130	0.5	20	
Molybdenum		0.0531	mg/L	0.0010	104	70	130	0.9	20	
Nickel		0.0483	mg/L	0.0010	97	70	130	0.6	20	
Selenium		0.0504	mg/L	0.0010	101	70	130	0.5	20	
Uranium		0.0528	mg/L	0.00030	103	70	130	1.1	20	
Vanadium		0.0501	mg/L	0.0010	100	70	130	0.7	20	
Zinc		0.0533	mg/L	0.010	104	70	130	0.3	20	
Method: E300.0										Batch: R120182
Sample ID: LCS	2	Laboratory Control Sample				Run: IC1-C_090623A				06/23/09 21:30
Chloride		9.62	mg/L	1.0	96	90	110			
Sulfate		38.1	mg/L	1.0	95	90	110			
Sample ID: MBLK	2	Method Blank				Run: IC1-C_090623A				06/23/09 21:46
Chloride		ND	mg/L	0.04						
Sulfate		ND	mg/L	0.1						
Sample ID: C09060738-002AMS	2	Sample Matrix Spike				Run: IC1-C_090623A				06/24/09 03:09
Chloride		27.4	mg/L	1.0	102	90	110			
Sulfate		269	mg/L	1.0	91	90	110			
Sample ID: C09060738-002AMSD	2	Sample Matrix Spike Duplicate				Run: IC1-C_090623A				06/24/09 03:25
Chloride		27.6	mg/L	1.0	103	90	110	0.7	20	
Sulfate		270	mg/L	1.0	93	90	110	0.6	20	

Qualifiers:

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Analytical Run: SUB-B131597	
Sample ID: ICV		Initial Calibration Verification Standard							06/22/09 13:33	
Nitrogen, Ammonia as N		5.62	mg/L	0.11	102	90	110			
Method: E350.1									Batch: B_R131597	
Sample ID: MBLK		Method Blank				Run: SUB-B131597			06/22/09 13:35	
Nitrogen, Ammonia as N		ND	mg/L	0.02						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131597			06/22/09 13:36	
Nitrogen, Ammonia as N		1.03	mg/L	0.10	104	90	110			
Sample ID: C09060738-001E		Sample Matrix Spike				Run: SUB-B131597			06/22/09 15:30	
Nitrogen, Ammonia as N		1.03	mg/L	0.050	101	90	110			
Sample ID: C09060738-001E		Sample Matrix Spike Duplicate				Run: SUB-B131597			06/22/09 15:32	
Nitrogen, Ammonia as N		1.02	mg/L	0.050	100	90	110	0.4	10	
Sample ID: B09061950-009EMS		Sample Matrix Spike				Run: SUB-B131597			06/22/09 15:45	
Nitrogen, Ammonia as N		1.01	mg/L	0.050	101	90	110			
Sample ID: B09061950-009EMSD		Sample Matrix Spike Duplicate				Run: SUB-B131597			06/22/09 15:46	
Nitrogen, Ammonia as N		1.01	mg/L	0.050	101	90	110	0.2	10	
Method: E353.2									Batch: B_R131644	
Sample ID: MBLK		Method Blank				Run: SUB-B131644			06/23/09 10:08	
Nitrogen, Nitrate+Nitrite as N		0.005	mg/L	0.002						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131644			06/23/09 10:09	
Nitrogen, Nitrate+Nitrite as N		1.00	mg/L	0.050	102	90	110			
Sample ID: B09061948-001GMS		Sample Matrix Spike				Run: SUB-B131644			06/23/09 13:33	
Nitrogen, Nitrate+Nitrite as N		1.04	mg/L	0.050	106	90	110			
Sample ID: B09061948-001GMSD		Sample Matrix Spike Duplicate				Run: SUB-B131644			06/23/09 13:34	
Nitrogen, Nitrate+Nitrite as N		0.986	mg/L	0.050	101	90	110	5.6	10	
Sample ID: B09061950-010EMS		Sample Matrix Spike				Run: SUB-B131644			06/23/09 13:49	
Nitrogen, Nitrate+Nitrite as N		0.997	mg/L	0.050	102	90	110			
Sample ID: B09061950-010EMSD		Sample Matrix Spike Duplicate				Run: SUB-B131644			06/23/09 13:50	
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.050	104	90	110	2	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-0690
Sample ID: MB-GrAB-0690	6	Method Blank				Run: G5000W_090701A				07/06/09 22:49
Gross Alpha		-2	pCi/L							U
Gross Alpha precision (±)		0.7	pCi/L							
Gross Alpha MDC		0.9	pCi/L							
Gross Beta		-3	pCi/L							U
Gross Beta precision (±)		2	pCi/L							
Gross Beta MDC		2	pCi/L							
Sample ID: UNAT-GrAB-0690		Laboratory Control Sample				Run: G5000W_090701A				07/06/09 22:46
Gross Alpha		150	pCi/L		111	70	130			
Sample ID: Cs137-GrAB-0690		Laboratory Control Sample				Run: G5000W_090701A				07/06/09 22:49
Gross Beta		91	pCi/L		102	70	130			
Sample ID: C09060738-002CDUP	6	Sample Duplicate				Run: G5000W_090701A				07/06/09 22:46
Gross Alpha		-0.667	pCi/L					64	324.1	U
Gross Alpha precision (±)		1.64	pCi/L							
Gross Alpha MDC		2.86	pCi/L							
Gross Beta		-2.37	pCi/L					480	194.3	UR
Gross Beta precision (±)		1.64	pCi/L							
Gross Beta MDC		2.82	pCi/L							
- The Sample and the Duplicate are both below the MDC; the Beta RPD is acceptable.										
Sample ID: C09061199-001CMS		Sample Matrix Spike				Run: G5000W_090701A				07/07/09 11:03
Gross Alpha		190	pCi/L		140	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.										
Sample ID: C09061199-001CMSD		Sample Matrix Spike Duplicate				Run: G5000W_090701A				07/07/09 11:03
Gross Alpha		190	pCi/L		136	70	130	2.5	17.4	S
Sample ID: C09061199-001CMS		Sample Matrix Spike				Run: G5000W_090701A				07/07/09 11:03
Gross Beta		92	pCi/L		99	70	130			
Sample ID: C09061199-001CMSD		Sample Matrix Spike Duplicate				Run: G5000W_090701A				07/07/09 11:03
Gross Beta		96	pCi/L		104	70	130	4.5	16.2	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-3763
Sample ID: C09060754-003CMS		Sample Matrix Spike				Run: BERTHOLD 770-2_090619A				06/30/09 15:27
Radium 226		22	pCi/L		84	70	130			
Sample ID: C09060754-003CMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_090619A				06/30/09 17:00
Radium 226		23	pCi/L		88	70	130	1.3	21.2	
Sample ID: MB-RA226-3763	3	Method Blank				Run: BERTHOLD 770-2_090619A				06/30/09 17:00
Radium 226		-0.06	pCi/L							U
Radium 226 precision (±)		0.10pCi/L								
Radium 226 MDC		0.2	pCi/L							
Sample ID: LCS-RA226-3763		Laboratory Control Sample				Run: BERTHOLD 770-2_090619A				06/30/09 17:00
Radium 226		5.9	pCi/L		76	70	130			
Method: E903.0										Batch: RA226-3764
Sample ID: C09060787-001AMS		Sample Matrix Spike				Run: BERTHOLD 770-1_090622A				07/06/09 11:34
Radium 226		16	pCi/L		97	70	130			
Sample ID: C09060787-001AMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_090622A				07/06/09 11:34
Radium 226		14	pCi/L		86	70	130	11	26.8	
Sample ID: MB-RA226-3764	3	Method Blank				Run: BERTHOLD 770-1_090622A				07/06/09 13:07
Radium 226		-0.2	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.3	pCi/L							
Sample ID: LCS-RA226-3764		Laboratory Control Sample				Run: BERTHOLD 770-1_090622A				07/06/09 13:07
Radium 226		9.3	pCi/L		121	70	130			
Method: E903.0										Batch: RA226-3765
Sample ID: C09060787-003AMS		Sample Matrix Spike				Run: BERTHOLD 770-2_090622A				06/29/09 21:27
Radium 226		15	pCi/L		88	70	130			
Sample ID: C09060787-003AMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_090622A				06/29/09 21:27
Radium 226		15	pCi/L		87	70	130	0.1	25.8	
Sample ID: MB-RA226-3765	3	Method Blank				Run: BERTHOLD 770-2_090622A				06/29/09 23:16
Radium 226		-0.04	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Sample ID: LCS-RA226-3765		Laboratory Control Sample				Run: BERTHOLD 770-2_090622A				06/29/09 23:16
Radium 226		6.8	pCi/L		87	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/20/09
Work Order: C09060738

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-2729
Sample ID: LCS-228-RA226-3763		Laboratory Control Sample				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		8.44	pCi/L		101	70	130			
Sample ID: MB-RA226-3763	3	Method Blank				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		-0.2	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C09060754-004CMS		Sample Matrix Spike				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		17.0	pCi/L		90	70	130			
Sample ID: C09060754-004CMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090619D				06/25/09 14:02
Radium 228		17.0	pCi/L		91	70	130	0.3	32.3	
Method: RA-05										Batch: RA228-2730
Sample ID: LCS-228-RA226-3764		Laboratory Control Sample				Run: TENNELEC-3_090622B				06/29/09 14:38
Radium 228		8.7	pCi/L		108	70	130			
Sample ID: MB-RA226-3764	3	Method Blank				Run: TENNELEC-3_090622B				06/29/09 14:38
Radium 228		-0.6	pCi/L							U
Radium 228 precision (±)		0.9	pCi/L							
Radium 228 MDC		2	pCi/L							
Sample ID: C09060787-002AMS		Sample Matrix Spike				Run: TENNELEC-3_090622B				06/29/09 14:38
Radium 228		17	pCi/L		85	70	130			
Sample ID: C09060787-002AMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090622B				06/29/09 14:38
Radium 228		21	pCi/L		107	70	130	19	36.8	
Method: RA-05										Batch: RA228-2731
Sample ID: LCS-228-RA226-3765		Laboratory Control Sample				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		9.5	pCi/L		110	70	130			
Sample ID: MB-RA226-3765	3	Method Blank				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		0.03	pCi/L							U
Radium 228 precision (±)		0.8	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C09060787-004AMS		Sample Matrix Spike				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		22	pCi/L		108	70	130			
Sample ID: C09060787-004AMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		19	pCi/L		93	70	130	12	33.5	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc. ; PO Box 730 Mills, WY 82644
Phone 738-2464 (Irigaray Mine) or 234-5019 (Mills Office)

Samples shipped to Energy Lab; Casper, WY Hand

Submitted by J. Richards Date 6/17/09 Received by Andrew Larsen Date 6/18/09

Sample Description: CR Guideline 8 Chad Oliver 6/18/09 5:45 14° on ice

Analysis Requested*: ASSAY SUITE A; Water quality parameters listed in the Wyoming DEQ Guideline # 8, for uranium mines.

Send Analysis Results to Larry Abogast
e-mail copies to larry.abogast@areva.com &
hdemuth@petrotek.com

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	4MW3	6/17/9	1 Liter		X			
			500 ml	X		X		
			500 ml		X	X		
			2 Liter	X		X		
			500 ml		X		X	
2	4MW6		**	**	**	**	**	
3	4U110-1		**	**	**	**	**	
4	6MW45		**	**	**	**	**	
5	6MW43		**	**	**	**	**	
6	6M29-1		**	**	**	**	**	
7	BD		**	**	**	**	**	
8	6MW27		**	**	**	**	**	
9	6MW34		**	**	**	**	**	
10	5MW16		**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	
16			**	**	**	**	**	
17			**	**	**	**	**	
18			**	**	**	**	**	

* All analysis will be performed in accordance with EPA approved procedures and/or the latest edition of Standards Methods.

** Same as sample # 1.

\excel\ENV-FORM\SUB-G8 (6-8-94 JV)

C090600736

Energy Laboratories Inc
Workorder Receipt Checklist

C09060738

Cogema Mining Inc

Login completed by: Edith McPike

Date and Time Received: 6/18/2009 8:45 AM

Reviewed by:

Received by: al

Reviewed Date:

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	14°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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CLIENT: Cogema Mining Inc
Project: CR Guideline 8
Sample Delivery Group: C09060738

Date: 20-Jul-09

CASE NARRATIVE

RA226 ANALYSIS
The sample specific Minimum Detectable Concentration (MDC) as required by USNRC Regulatory Guide 4.14 could not be achieved due to matrix effects. Please consult with your local regulatory agency prior to using these results for compliance purposes.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

July 17, 2009

Cogema Mining Inc
935 Pendell Blvd
Mills, WY 82644

Workorder No.: C09060799

Project Name: CR Guideline 8

Energy Laboratories, Inc. received the following 9 samples for Cogema Mining Inc on 6/19/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09060799-001	5MW59	06/17/09 00:00	06/19/09	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Conductivity Fluoride E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved
C09060799-002	5MW5	06/18/09 00:00	06/19/09	Aqueous	Same As Above
C09060799-003	5BL76-1	06/18/09 00:00	06/19/09	Aqueous	Same As Above
C09060799-004	BD	06/18/09 00:00	06/19/09	Aqueous	Same As Above
C09060799-005	5MW-03	06/18/09 00:00	06/19/09	Aqueous	Same As Above
C09060799-006	5MW56	06/18/09 00:00	06/19/09	Aqueous	Same As Above
C09060799-007	5MW51	06/18/09 00:00	06/19/09	Aqueous	Same As Above
C09060799-008	5MW31	06/18/09 00:00	06/19/09	Aqueous	Same As Above
C09060799-009	5MW-07	06/18/09 00:00	06/19/09	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie D. Waldrop

Stephanie D. Waldrop
Reporting Supervisor

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-001
Client Sample ID: 5MW59

Report Date: 07/17/09
Collection Date: 06/17/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	5	mg/L		1		A2320 B	06/23/09 22:00 / ljl
Bicarbonate as HCO3	130	mg/L		1		A2320 B	06/23/09 22:00 / ljl
Calcium	10	mg/L		1		E200.7	07/08/09 17:41 / cp
Chloride	7	mg/L		1		E300.0	06/24/09 13:26 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 15:13 / ljl
Magnesium	2	mg/L		1		E200.7	07/08/09 17:41 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/24/09 10:24 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/24/09 14:29 / eli-b
Potassium	2	mg/L		1		E200.7	07/08/09 17:41 / cp
Silica	8.7	mg/L		0.2		E200.7	07/08/09 17:41 / cp
Sodium	133	mg/L		1		E200.7	07/08/09 17:41 / cp
Sulfate	196	mg/L		1		E300.0	06/24/09 13:26 / ljl
PHYSICAL PROPERTIES							
Conductivity	677	umhos/cm		1		A2510 B	06/22/09 10:36 / rp
pH	8.64	s.u.		0.01		A4500-H B	06/22/09 10:36 / rp
Solids, Total Dissolved TDS @ 180 C	427	mg/L		10		A2540 C	06/22/09 15:17 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 17:41 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 05:13 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 05:13 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 17:41 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 05:13 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 05:13 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 05:13 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 17:41 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 05:13 / ts
Manganese	ND	mg/L		0.01		E200.8	06/24/09 05:13 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 05:13 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 05:13 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 05:13 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 05:13 / ts
Uranium	0.0271	mg/L		0.0003		E200.8	06/24/09 05:13 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 05:13 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 05:13 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 20:43 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 20:43 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-001
Client Sample ID: 5MW59

Report Date: 07/17/09
Collection Date: 06/17/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	46.8	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	3.5	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	2.3	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	13.7	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	2.0	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	2.9	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	0.49	pCi/L				E903.0	06/29/09 23:16 / jah
Radium 226 precision (±)	0.19	pCi/L				E903.0	06/29/09 23:16 / jah
Radium 226 MDC	0.22	pCi/L				E903.0	06/29/09 23:16 / jah
Radium 228	0.4	pCi/L	U			RA-05	06/26/09 08:26 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/26/09 08:26 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/26/09 08:26 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.924	%				Calculation	07/11/09 12:09 / kbh
Anions	6.59	meq/L				Calculation	07/11/09 12:09 / kbh
Cations	6.46	meq/L				Calculation	07/11/09 12:09 / kbh
Solids, Total Dissolved Calculated	430	mg/L				Calculation	07/11/09 12:09 / kbh
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/11/09 12:09 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-002
Client Sample ID: 5MW5

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	1	mg/L		1		A2320 B	06/23/09 22:07 / ljl
Bicarbonate as HCO3	111	mg/L		1		A2320 B	06/23/09 22:07 / ljl
Calcium	16	mg/L		1		E200.7	07/08/09 17:45 / cp
Chloride	5	mg/L		1		E300.0	06/24/09 13:41 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 15:30 / ljl
Magnesium	3	mg/L		1		E200.7	07/08/09 17:45 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/24/09 10:25 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/24/09 14:30 / eli-b
Potassium	3	mg/L		1		E200.7	07/08/09 17:45 / cp
Silica	9.0	mg/L		0.2		E200.7	07/08/09 17:45 / cp
Sodium	165	mg/L		1		E200.7	07/08/09 17:45 / cp
Sulfate	296	mg/L		1		E300.0	06/24/09 13:41 / ljl
PHYSICAL PROPERTIES							
Conductivity	867	umhos/cm		1		A2510 B	06/22/09 10:38 / rp
pH	8.39	s.u.		0.01		A4500-H B	06/22/09 10:38 / rp
Solids, Total Dissolved TDS @ 180 C	560	mg/L		10		A2540 C	06/22/09 15:18 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 17:45 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 05:20 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 05:20 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 17:45 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 05:20 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 05:20 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 05:20 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 17:45 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 05:20 / ts
Manganese	ND	mg/L		0.01		E200.8	06/24/09 05:20 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 05:20 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 05:20 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 05:20 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 05:20 / ts
Uranium	0.0113	mg/L		0.0003		E200.8	06/24/09 05:20 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 05:20 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 05:20 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 20:47 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 20:47 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-002
Client Sample ID: 5MW5

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	30.6	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	3.4	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	2.8	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	25.4	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	2.5	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	3.4	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	3.5	pCi/L				E903.0	06/29/09 23:16 / jah
Radium 226 precision (±)	0.42	pCi/L				E903.0	06/29/09 23:16 / jah
Radium 226 MDC	0.22	pCi/L				E903.0	06/29/09 23:16 / jah
Radium 228	0.5	pCi/L	U			RA-05	06/26/09 08:26 / plj
Radium 228 precision (±)	0.8	pCi/L				RA-05	06/26/09 08:26 / plj
Radium 228 MDC	1.3	pCi/L				RA-05	06/26/09 08:26 / plj
DATA QUALITY							
A/C Balance (± 5)	0.358	%				Calculation	07/11/09 12:11 / kbh
Anions	8.19	meq/L				Calculation	07/11/09 12:11 / kbh
Cations	8.25	meq/L				Calculation	07/11/09 12:11 / kbh
Solids, Total Dissolved Calculated	555	mg/L				Calculation	07/11/09 12:11 / kbh
TDS Balance (0.80 - 1.20)	1.01					Calculation	07/11/09 12:11 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-003
Client Sample ID: 5BL76-1

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 22:16 / ljl
Bicarbonate as HCO3	1040	mg/L		1		A2320 B	06/23/09 22:16 / ljl
Calcium	145	mg/L		1		E200.7	07/08/09 17:49 / cp
Chloride	50	mg/L		1		E300.0	06/24/09 13:56 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/29/09 15:33 / ljl
Magnesium	29	mg/L		1		E200.7	07/08/09 17:49 / cp
Nitrogen, Ammonia as N	0.32	mg/L		0.05		E350.1	06/24/09 10:26 / eli-b
Nitrogen, Nitrate+Nitrite as N	1.63	mg/L		0.05		E353.2	06/24/09 14:31 / eli-b
Potassium	8	mg/L		1		E200.7	07/08/09 17:49 / cp
Silica	11.7	mg/L		0.2		E200.7	07/08/09 17:49 / cp
Sodium	461	mg/L		1		E200.7	07/08/09 17:49 / cp
Sulfate	519	mg/L		1		E300.0	06/24/09 13:56 / ljl
PHYSICAL PROPERTIES							
Conductivity	2510	umhos/cm		1		A2510 B	06/22/09 10:40 / rp
pH	7.15	s.u.		0.01		A4500-H B	06/22/09 10:40 / rp
Solids, Total Dissolved TDS @ 180 C	1730	mg/L		10		A2540 C	06/22/09 15:18 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 17:49 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 05:27 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 05:27 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 17:49 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 05:27 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 05:27 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 05:27 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 17:49 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 05:27 / ts
Manganese	0.24	mg/L		0.01		E200.8	06/24/09 05:27 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 05:27 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 05:27 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 05:27 / ts
Selenium	2.81	mg/L		0.001		E200.8	06/24/09 05:27 / ts
Uranium	12.8	mg/L		0.0003		E200.8	06/24/09 05:27 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 05:27 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 05:27 / ts
METALS - TOTAL							
Iron	0.24	mg/L		0.03		E200.7	07/08/09 20:51 / cp
Manganese	0.27	mg/L		0.01		E200.7	07/08/09 20:51 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-003
Client Sample ID: 5BL76-1

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	14600	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	118	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	9.5	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	3890	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	29.0	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	9.3	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	234	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 precision (±)	2.7	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 MDC	0.10	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 228	2.2	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	06/26/09 10:30 / plj
DATA QUALITY							
A/C Balance (± 5)	0.821	%				Calculation	07/11/09 12:12 / kbh
Anions	29.4	meq/L				Calculation	07/11/09 12:12 / kbh
Cations	29.9	meq/L				Calculation	07/11/09 12:12 / kbh
Solids, Total Dissolved Calculated	1750	mg/L				Calculation	07/11/09 12:12 / kbh
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/11/09 12:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-004
Client Sample ID: BD

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 22:25 / ljl
Bicarbonate as HCO3	1060	mg/L		1		A2320 B	06/23/09 22:25 / ljl
Calcium	146	mg/L		1		E200.7	07/08/09 17:53 / cp
Chloride	51	mg/L		1		E300.0	06/24/09 14:12 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/29/09 15:37 / ljl
Magnesium	29	mg/L		1		E200.7	07/08/09 17:53 / cp
Nitrogen, Ammonia as N	0.29	mg/L		0.05		E350.1	06/24/09 10:27 / ell-b
Nitrogen, Nitrate+Nitrite as N	1.62	mg/L		0.05		E353.2	06/24/09 15:38 / ell-b
Potassium	8	mg/L		1		E200.7	07/08/09 17:53 / cp
Silica	12.1	mg/L		0.2		E200.7	07/08/09 17:53 / cp
Sodium	472	mg/L		1		E200.7	07/08/09 17:53 / cp
Sulfate	525	mg/L		1		E300.0	06/24/09 14:12 / ljl
PHYSICAL PROPERTIES							
Conductivity	2540	umhos/cm		1		A2510 B	06/22/09 10:42 / rp
pH	7.18	s.u.		0.01		A4500-H B	06/22/09 10:42 / rp
Solids, Total Dissolved TDS @ 180 C	1750	mg/L		10		A2540 C	06/22/09 15:18 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 17:53 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 05:33 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 05:33 / ts
Boron	0.1	mg/L		0.1		E200.7	07/08/09 17:53 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 05:33 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 05:33 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 05:33 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 17:53 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 05:33 / ts
Manganese	0.26	mg/L		0.01		E200.8	06/24/09 05:33 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 05:33 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 05:33 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 05:33 / ts
Selenium	2.82	mg/L		0.001		E200.8	06/24/09 05:33 / ts
Uranium	12.8	mg/L		0.0003		E200.8	06/24/09 05:33 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 05:33 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 05:33 / ts
METALS - TOTAL							
Iron	0.27	mg/L		0.03		E200.7	07/14/09 21:50 / cp
Manganese	0.26	mg/L		0.01		E200.7	07/14/09 21:50 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-004
Client Sample ID: BD

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	15200	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	120	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	9.4	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	3180	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	26.3	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	9.3	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	256	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 precision (±)	2.8	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 MDC	0.1	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 228	2.5	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	06/26/09 10:30 / plj
DATA QUALITY							
A/C Balance (± 5)	1.08	%				Calculation	07/11/09 12:12 / kbh
Anions	29.8	meq/L				Calculation	07/11/09 12:12 / kbh
Cations	30.5	meq/L				Calculation	07/11/09 12:12 / kbh
Solids, Total Dissolved Calculated	1770	mg/L				Calculation	07/11/09 12:12 / kbh
TDS Balance (0.80 - 1.20)	0.990					Calculation	07/11/09 12:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-005
Client Sample ID: 5MW-03

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 22:32 / ljl
Bicarbonate as HCO3	246	mg/L		1		A2320 B	06/23/09 22:32 / ljl
Calcium	19	mg/L		1		E200.7	07/08/09 17:57 / cp
Chloride	6	mg/L		1		E300.0	06/24/09 14:58 / ljl
Fluoride	0.1	mg/L		0.1		A4500-F C	06/29/09 15:40 / ljl
Magnesium	3	mg/L		1		E200.7	07/08/09 17:57 / cp
Nitrogen, Ammonia as N	0.29	mg/L		0.05		E350.1	06/24/09 10:28 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/24/09 15:34 / eli-b
Potassium	2	mg/L		1		E200.7	07/08/09 17:57 / cp
Silica	6.8	mg/L		0.2		E200.7	07/08/09 17:57 / cp
Sodium	115	mg/L		1		E200.7	07/08/09 17:57 / cp
Sulfate	99	mg/L		1		E300.0	06/24/09 14:58 / ljl
PHYSICAL PROPERTIES							
Conductivity	608	umhos/cm		1		A2510 B	06/22/09 10:44 / rp
pH	7.83	s.u.		0.01		A4500-H B	06/22/09 10:44 / rp
Solids, Total Dissolved TDS @ 180 C	395	mg/L		10		A2540 C	06/22/09 15:19 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 17:57 / cp
Arsenic	0.004	mg/L		0.001		E200.8	06/24/09 05:40 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 05:40 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 17:57 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 05:40 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 05:40 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 05:40 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 17:57 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 05:40 / ts
Manganese	0.06	mg/L		0.01		E200.8	06/24/09 05:40 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 05:40 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 05:40 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 05:40 / ts
Selenium	1.12	mg/L		0.001		E200.8	06/24/09 05:40 / ts
Uranium	1.54	mg/L		0.0003		E200.8	06/24/09 05:40 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 05:40 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 05:40 / ts
METALS - TOTAL							
Iron	1.29	mg/L		0.03		E200.7	07/14/09 21:58 / cp
Manganese	0.07	mg/L		0.01		E200.8	06/26/09 06:15 / ts

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-005
Client Sample ID: 5MW-03

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	2140	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	21.7	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	2.2	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	583	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	6.2	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	88	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 precision (±)	1.7	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 MDC	0.11	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 228	1.2	pCi/L	U			RA-05	06/26/09 10:30 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/26/09 10:30 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.0552	%				Calculation	07/11/09 12:12 / kbh
Anions	6.28	meq/L				Calculation	07/11/09 12:12 / kbh
Cations	6.28	meq/L				Calculation	07/11/09 12:12 / kbh
Solids, Total Dissolved Calculated	374	mg/L				Calculation	07/11/09 12:12 / kbh
TDS Balance (0.80 - 1.20)	1.06					Calculation	07/11/09 12:12 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-006
Client Sample ID: 5MW56

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 22:48 / ljl
Bicarbonate as HCO3	144	mg/L		1		A2320 B	06/23/09 22:48 / ljl
Calcium	12	mg/L		1		E200.7	07/08/09 18:21 / cp
Chloride	7	mg/L		1		E300.0	06/24/09 15:13 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 15:48 / ljl
Magnesium	2	mg/L		1		E200.7	07/08/09 18:21 / cp
Nitrogen, Ammonia as N	0.26	mg/L		0.05		E350.1	06/24/09 10:30 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/24/09 15:39 / eli-b
Potassium	2	mg/L		1		E200.7	07/08/09 18:21 / cp
Silica	9.3	mg/L		0.2		E200.7	07/08/09 18:21 / cp
Sodium	131	mg/L		1		E200.7	07/08/09 18:21 / cp
Sulfate	192	mg/L		1		E300.0	06/24/09 15:13 / ljl
PHYSICAL PROPERTIES							
Conductivity	685	umhos/cm		1		A2510 B	06/22/09 10:49 / rp
pH	8.26	s.u.		0.01		A4500-H B	06/22/09 10:49 / rp
Solids, Total Dissolved TDS @ 180 C	440	mg/L		10		A2540 C	06/22/09 15:19 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 18:21 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/24/09 05:47 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 05:47 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 18:21 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 05:47 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 05:47 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 05:47 / ts
Iron	0.03	mg/L		0.03		E200.7	07/08/09 18:21 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 05:47 / ts
Manganese	0.01	mg/L		0.01		E200.7	07/08/09 18:21 / cp
Mercury	ND	mg/L		0.001		E200.8	06/24/09 05:47 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 05:47 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 05:47 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 05:47 / ts
Uranium	0.0069	mg/L		0.0003		E200.8	06/24/09 05:47 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 05:47 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 05:47 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 20:55 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 20:55 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-006
Client Sample ID: 5MW56

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	20.2	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	2.5	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	2.2	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	6.2	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	1.8	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	2.9	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	2.1	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 precision (±)	0.27	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 MDC	0.11	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 228	0.7	pCi/L	U			RA-05	06/26/09 10:30 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/26/09 10:30 / plj
DATA QUALITY							
A/C Balance (± 5)	-0.658	%				Calculation	07/11/09 12:13 / kbh
Anions	6.59	meq/L				Calculation	07/11/09 12:13 / kbh
Cations	6.50	meq/L				Calculation	07/11/09 12:13 / kbh
Solids, Total Dissolved Calculated	430	mg/L				Calculation	07/11/09 12:13 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	07/11/09 12:13 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-007
Client Sample ID: 5MW51

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	3	mg/L		1		A2320 B	06/23/09 22:56 / ljl
Bicarbonate as HCO3	135	mg/L		1		A2320 B	06/23/09 22:56 / ljl
Calcium	10	mg/L		1		E200.7	07/08/09 18:29 / cp
Chloride	6	mg/L		1		E300.0	06/24/09 15:29 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 15:50 / ljl
Magnesium	2	mg/L		1		E200.7	07/08/09 18:29 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/24/09 10:31 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/24/09 15:40 / eli-b
Potassium	2	mg/L		1		E200.7	07/08/09 18:29 / cp
Silica	8.3	mg/L		0.2		E200.7	07/08/09 18:29 / cp
Sodium	131	mg/L		1		E200.7	07/08/09 18:29 / cp
Sulfate	192	mg/L		1		E300.0	06/24/09 15:29 / ljl
PHYSICAL PROPERTIES							
Conductivity	678	umhos/cm		1		A2510 B	06/22/09 10:52 / rp
pH	8.52	s.u.		0.01		A4500-H B	06/22/09 10:52 / rp
Solids, Total Dissolved TDS @ 180 C	428	mg/L		10		A2540 C	06/22/09 15:19 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 18:29 / cp
Arsenic	0.002	mg/L		0.001		E200.8	06/24/09 06:21 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 06:21 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 18:29 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 06:21 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 06:21 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 06:21 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 18:29 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 06:21 / ts
Manganese	0.01	mg/L		0.01		E200.8	06/24/09 06:21 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 06:21 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 06:21 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 06:21 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 06:21 / ts
Uranium	0.0182	mg/L		0.0003		E200.8	06/24/09 06:21 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 06:21 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 06:21 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 21:07 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 21:07 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-007
Client Sample ID: 5MW51

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	34.9	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	3.1	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	2.2	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	5.9	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	1.8	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	2.9	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	0.99	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 precision (±)	0.19	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 MDC	0.11	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 228	0.08	pCi/L	U			RA-05	06/26/09 10:30 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/26/09 10:30 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.00	%				Calculation	07/11/09 12:13 / kbh
Anions	6.50	meq/L				Calculation	07/11/09 12:13 / kbh
Cations	6.37	meq/L				Calculation	07/11/09 12:13 / kbh
Solids, Total Dissolved Calculated	423	mg/L				Calculation	07/11/09 12:13 / kbh
TDS Balance (0.80 - 1.20)	1.01					Calculation	07/11/09 12:13 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-008
Client Sample ID: 5MW31

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	4	mg/L		1		A2320 B	06/23/09 23:04 / ljl
Bicarbonate as HCO3	121	mg/L		1		A2320 B	06/23/09 23:04 / ljl
Calcium	9	mg/L		1		E200.7	07/08/09 18:33 / cp
Chloride	7	mg/L		1		E300.0	06/24/09 15:44 / ljl
Fluoride	0.2	mg/L		0.1		A4500-F C	06/29/09 15:53 / ljl
Magnesium	1	mg/L		1		E200.7	07/08/09 18:33 / cp
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	06/24/09 10:40 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/24/09 15:41 / eli-b
Potassium	2	mg/L		1		E200.7	07/08/09 18:33 / cp
Silica	10.1	mg/L		0.2		E200.7	07/08/09 18:33 / cp
Sodium	133	mg/L		1		E200.7	07/08/09 18:33 / cp
Sulfate	192	mg/L		1		E300.0	06/24/09 15:44 / ljl
PHYSICAL PROPERTIES							
Conductivity	659	umhos/cm		1		A2510 B	06/22/09 10:55 / rp
pH	8.65	s.u.		0.01		A4500-H B	06/22/09 10:55 / rp
Solids, Total Dissolved TDS @ 180 C	429	mg/L		10		A2540 C	06/22/09 15:20 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 18:33 / cp
Arsenic	0.001	mg/L		0.001		E200.8	06/24/09 06:28 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 06:28 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 18:33 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 06:28 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 06:28 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 06:28 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 18:33 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 06:28 / ts
Manganese	ND	mg/L		0.01		E200.8	06/24/09 06:28 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 06:28 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 06:28 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 06:28 / ts
Selenium	ND	mg/L		0.001		E200.8	06/24/09 06:28 / ts
Uranium	0.0017	mg/L		0.0003		E200.8	06/24/09 06:28 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 06:28 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 06:28 / ts
METALS - TOTAL							
Iron	ND	mg/L		0.03		E200.7	07/08/09 21:15 / cp
Manganese	ND	mg/L		0.01		E200.7	07/08/09 21:15 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-008
Client Sample ID: 5MW31

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	11.6	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	2.0	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	2.1	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	5.8	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	1.7	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	2.7	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	0.96	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 precision (±)	0.19	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 MDC	0.11	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 228	0.7	pCi/L	U			RA-05	06/26/09 10:30 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	06/26/09 10:30 / plj
DATA QUALITY							
A/C Balance (± 5)	0.387	%				Calculation	07/11/09 12:13 / kbh
Anions	6.30	meq/L				Calculation	07/11/09 12:13 / kbh
Cations	6.35	meq/L				Calculation	07/11/09 12:13 / kbh
Solids, Total Dissolved Calculated	419	mg/L				Calculation	07/11/09 12:13 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	07/11/09 12:13 / kbh

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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-009
Client Sample ID: 5MW-07

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/23/09 23:11 / ljl
Bicarbonate as HCO3	478	mg/L		1		A2320 B	06/23/09 23:11 / ljl
Calcium	37	mg/L		1		E200.7	07/08/09 18:37 / cp
Chloride	10	mg/L		1		E300.0	06/24/09 16:00 / ljl
Fluoride	ND	mg/L		0.1		A4500-F C	06/29/09 15:56 / ljl
Magnesium	8	mg/L		1		E200.7	07/08/09 18:37 / cp
Nitrogen, Ammonia as N	0.07	mg/L		0.05		E350.1	06/24/09 10:42 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	06/24/09 15:42 / eli-b
Potassium	4	mg/L		1		E200.7	07/08/09 18:37 / cp
Silica	9.1	mg/L		0.2		E200.7	07/08/09 18:37 / cp
Sodium	205	mg/L		1		E200.7	07/08/09 18:37 / cp
Sulfate	144	mg/L		1		E300.0	06/24/09 16:00 / ljl
PHYSICAL PROPERTIES							
Conductivity	1040	umhos/cm		1		A2510 B	06/22/09 10:57 / rp
pH	7.37	s.u.		0.01		A4500-H B	06/22/09 10:57 / rp
Solids, Total Dissolved TDS @ 180 C	667	mg/L		10		A2540 C	06/22/09 15:21 / emm
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	07/08/09 18:37 / cp
Arsenic	ND	mg/L		0.001		E200.8	06/24/09 06:35 / ts
Barium	ND	mg/L		0.1		E200.8	06/24/09 06:35 / ts
Boron	ND	mg/L		0.1		E200.7	07/08/09 18:37 / cp
Cadmium	ND	mg/L		0.005		E200.8	06/24/09 06:35 / ts
Chromium	ND	mg/L		0.05		E200.8	06/24/09 06:35 / ts
Copper	ND	mg/L		0.01		E200.8	06/24/09 06:35 / ts
Iron	ND	mg/L		0.03		E200.7	07/08/09 18:37 / cp
Lead	ND	mg/L		0.001		E200.8	06/24/09 06:35 / ts
Manganese	0.09	mg/L		0.01		E200.8	06/24/09 06:35 / ts
Mercury	ND	mg/L		0.001		E200.8	06/24/09 06:35 / ts
Molybdenum	ND	mg/L		0.1		E200.8	06/24/09 06:35 / ts
Nickel	ND	mg/L		0.05		E200.8	06/24/09 06:35 / ts
Selenium	0.970	mg/L		0.001		E200.8	06/24/09 06:35 / ts
Uranium	3.01	mg/L		0.0003		E200.8	06/24/09 06:35 / ts
Vanadium	ND	mg/L		0.1		E200.8	06/24/09 06:35 / ts
Zinc	ND	mg/L		0.01		E200.8	06/24/09 06:35 / ts
METALS - TOTAL							
Iron	0.17	mg/L		0.03		E200.7	07/08/09 22:08 / cp
Manganese	0.09	mg/L		0.01		E200.7	07/08/09 22:08 / cp

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: Cogema Mining Inc
Project: CR Guideline 8
Lab ID: C09060799-009
Client Sample ID: 5MW-07

Report Date: 07/17/09
Collection Date: 06/18/09
DateReceived: 06/19/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	4230	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha precision (±)	40.0	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Alpha MDC	3.7	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta	1170	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta precision (±)	10.8	pCi/L				E900.0	07/11/09 00:27 / cgr
Gross Beta MDC	4.2	pCi/L				E900.0	07/11/09 00:27 / cgr
Radium 226	161	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 precision (±)	2.3	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 226 MDC	0.10	pCi/L				E903.0	07/01/09 09:38 / jah
Radium 228	0.8	pCi/L	U			RA-05	06/26/09 10:30 / plj
Radium 228 precision (±)	0.7	pCi/L				RA-05	06/26/09 10:30 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	06/26/09 10:30 / plj
DATA QUALITY							
A/C Balance (± 5)	1.91	%				Calculation	07/11/09 12:14 / kbh
Anions	11.1	meq/L				Calculation	07/11/09 12:14 / kbh
Cations	11.6	meq/L				Calculation	07/11/09 12:14 / kbh
Solids, Total Dissolved Calculated	656	mg/L				Calculation	07/11/09 12:14 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	07/11/09 12:14 / kbh

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R120054
Sample ID: MBLK	3	Method Blank				Run: MANTECH_090623A				06/23/09 13:40
Alkalinity, Total as CaCO3		3	mg/L	0.2						
Carbonate as CO3		ND	mg/L	1						
Bicarbonate as HCO3		4	mg/L	1						
Sample ID: LCS		Laboratory Control Sample				Run: MANTECH_090623A				06/23/09 14:01
Alkalinity, Total as CaCO3		51.7	mg/L	5.0	97	90	110			
Sample ID: C09060730-001AMS		Sample Matrix Spike				Run: MANTECH_090623A				06/23/09 15:25
Alkalinity, Total as CaCO3		270	mg/L	5.0	98	80	120			
Sample ID: C09060730-001AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090623A				06/23/09 15:32
Alkalinity, Total as CaCO3		271	mg/L	5.0	98	80	120	0.2	20	
Method: A2510 B										Analytical Run: ORION555A_090622A
Sample ID: ICV2_090622_1		Initial Calibration Verification Standard								06/22/09 10:18
Conductivity		1400	umhos/cm	1.0	99	90	110			
Method: A2510 B										Batch: 090622_1_PH-W_555A-2
Sample ID: MBLK1_090622_1		Method Blank				Run: ORION555A_090622A				06/22/09 10:14
Conductivity		0.8	umhos/cm	0.2						
Sample ID: C09060799-005ADUP		Sample Duplicate				Run: ORION555A_090622A				06/22/09 10:47
Conductivity		608	umhos/cm	1.0				0	10	
Method: A2540 C										Batch: R119952
Sample ID: MBLK1_		Method Blank				Run: BAL-1_090622B				06/22/09 15:15
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	6						
Sample ID: LCS1_		Laboratory Control Sample				Run: BAL-1_090622B				06/22/09 15:16
Solids, Total Dissolved TDS @ 180 C		1010	mg/L	10	101	90	110			
Sample ID: C09060799-008AMS		Sample Matrix Spike				Run: BAL-1_090622B				06/22/09 15:20
Solids, Total Dissolved TDS @ 180 C		2450	mg/L	10	101	90	110			
Sample ID: C09060799-008AMSD		Sample Matrix Spike Duplicate				Run: BAL-1_090622B				06/22/09 15:20
Solids, Total Dissolved TDS @ 180 C		2450	mg/L	10	101	90	110	0	10	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R120256
Sample ID: MBLK		Method Blank				Run: MANTECH_090629A				06/29/09 13:52
Fluoride		ND	mg/L	0.05						
Sample ID: LCS		Laboratory Control Sample				Run: MANTECH_090629A				06/29/09 13:54
Fluoride		1.00	mg/L	0.10	100	90	110			
Sample ID: C09060799-005AMS		Sample Matrix Spike				Run: MANTECH_090629A				06/29/09 15:42
Fluoride		1.16	mg/L	0.10	103	80	120			
Sample ID: C09060799-005AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_090629A				06/29/09 15:45
Fluoride		1.16	mg/L	0.10	103	80	120	0	10	
Method: A4500-H B										Analytical Run: ORION555A_090622A
Sample ID: ICV1_090622_1		Initial Calibration Verification Standard								06/22/09 10:16
pH		6.89	s.u.	0.010	100	98	102			
Method: A4500-H B										Batch: 090622_1_PH-W_555A-2
Sample ID: C09060799-005ADUP		Sample Duplicate				Run: ORION555A_090622A				06/22/09 10:47
pH		7.81	s.u.	0.010				0.3	10	
Method: E200.7										Batch: 22805
Sample ID: MB-22805	2	Method Blank				Run: ICP2-C_090714A				07/14/09 21:41
Iron		ND	mg/L	0.005						
Manganese		ND	mg/L	0.007						
Sample ID: LCS3-22805	2	Laboratory Control Sample				Run: ICP2-C_090714A				07/14/09 21:46
Iron		2.54	mg/L	0.030	101	85	115			
Manganese		2.47	mg/L	0.010	99	85	115			
Sample ID: C09060799-005CMS3	2	Sample Matrix Spike				Run: ICP2-C_090714A				07/14/09 22:02
Iron		4.13	mg/L	0.030	114	70	130			
Manganese		2.62	mg/L	0.010	102	70	130			
Sample ID: C09060799-005CMSD	2	Sample Matrix Spike Duplicate				Run: ICP2-C_090714A				07/14/09 22:06
Iron		4.12	mg/L	0.030	113	70	130	0.1	20	
Manganese		2.65	mg/L	0.010	103	70	130	1.3	20	

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120617
Sample ID: MB-090708A	9	Method Blank				Run: ICP2-C_090708A				07/08/09 14:09
Aluminum		ND	mg/L	0.03						
Boron		ND	mg/L	0.03						
Calcium		ND	mg/L	0.2						
Iron		ND	mg/L	0.005						
Magnesium		ND	mg/L	0.09						
Manganese		ND	mg/L	0.001						
Potassium		ND	mg/L	0.1						
Silicon		0.08	mg/L	0.01						
Sodium		ND	mg/L	0.2						
Sample ID: LFB-090708A	9	Laboratory Fortified Blank				Run: ICP2-C_090708A				07/08/09 14:13
Aluminum		0.929	mg/L	0.10	93	85	115			
Boron		1.05	mg/L	0.10	105	85	115			
Calcium		49.6	mg/L	0.50	99	85	115			
Iron		1.02	mg/L	0.030	102	85	115			
Magnesium		49.8	mg/L	0.50	100	85	115			
Manganese		0.993	mg/L	0.010	99	85	115			
Potassium		46.1	mg/L	0.50	92	85	115			
Silicon		0.511	mg/L	0.015	109	85	115			
Sodium		47.5	mg/L	0.50	95	85	115			
Sample ID: C09060799-005BMS2	9	Sample Matrix Spike				Run: ICP2-C_090708A				07/08/09 18:01
Aluminum		1.98	mg/L	0.10	97	70	130			
Boron		2.14	mg/L	0.10	105	70	130			
Calcium		122	mg/L	1.0	101	70	130			
Iron		1.98	mg/L	0.030	97	70	130			
Magnesium		105	mg/L	1.0	100	70	130			
Manganese		2.06	mg/L	0.010	98	70	130			
Potassium		95.7	mg/L	1.0	92	70	130			
Silicon		4.02	mg/L	0.10	104	70	130			
Sodium		217	mg/L	1.0	100	70	130			
Sample ID: C09060799-005BMSD	9	Sample Matrix Spike Duplicate				Run: ICP2-C_090708A				07/08/09 18:05
Aluminum		2.06	mg/L	0.10	101	70	130	3.6	20	
Boron		2.23	mg/L	0.10	109	70	130	4.1	20	
Calcium		123	mg/L	1.0	102	70	130	0.7	20	
Iron		2.07	mg/L	0.030	101	70	130	4.3	20	
Magnesium		104	mg/L	1.0	99	70	130	0.8	20	
Manganese		2.11	mg/L	0.010	101	70	130	2.2	20	
Potassium		95.9	mg/L	1.0	92	70	130	0.3	20	
Silicon		4.12	mg/L	0.10	116	70	130	2.3	20	
Sodium		222	mg/L	1.0	105	70	130	2.3	20	
Sample ID: C09060799-006CMS2	9	Sample Matrix Spike				Run: ICP2-C_090708A				07/08/09 20:59
Aluminum		2.11	mg/L	0.16	104	70	130			

Qualifiers:

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R120617
Sample ID: C09060799-006CMS2	9	Sample Matrix Spike				Run: ICP2-C_090708A				07/08/09 20:59
Boron		2.10	mg/L	0.10	103	70	130			
Calcium		107	mg/L	1.0	94	70	130			
Iron		1.99	mg/L	0.030	97	70	130			
Magnesium		99.3	mg/L	1.0	96	70	130			
Manganese		1.98	mg/L	0.014	97	70	130			
Potassium		95.2	mg/L	1.0	91	70	130			
Silicon		5.03	mg/L	0.10		70	130			A
Sodium		238	mg/L	2.2	110	70	130			
Sample ID: C09060799-006CMSD	9	Sample Matrix Spike Duplicate				Run: ICP2-C_090708A				07/08/09 21:03
Aluminum		2.01	mg/L	0.16	98	70	130	5.1	20	
Boron		2.08	mg/L	0.10	102	70	130	1.1	20	
Calcium		110	mg/L	1.0	96	70	130	2.3	20	
Iron		1.99	mg/L	0.030	97	70	130	0.1	20	
Magnesium		100	mg/L	1.0	97	70	130	0.9	20	
Manganese		2.01	mg/L	0.014	98	70	130	1.2	20	
Potassium		96.5	mg/L	1.0	92	70	130	1.3	20	
Silicon		5.01	mg/L	0.10		70	130	0.4	20	A
Sodium		239	mg/L	2.2	110	70	130	0.2	20	
Method: E200.8										Batch: 22805
Sample ID: MB-22805		Method Blank				Run: ICPMS2-C_090625A				06/26/09 05:41
Manganese		ND	mg/L	0.0001						
Sample ID: LCS3-22805		Laboratory Control Sample				Run: ICPMS2-C_090625A				06/26/09 05:48
Manganese		2.52	mg/L	0.010	101	85	115			
Sample ID: C09060799-005CMS3		Sample Matrix Spike				Run: ICPMS2-C_090625A				06/26/09 06:22
Manganese		2.59	mg/L	0.010	101	70	130			
Sample ID: C09060799-005CMSD		Sample Matrix Spike Duplicate				Run: ICPMS2-C_090625A				06/26/09 06:28
Manganese		2.55	mg/L	0.010	99	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R120024
Sample ID: LRB	14	Method Blank				Run: ICPMS2-C_090623A				06/23/09 13:16
Arsenic		ND	mg/L	0.0003						
Barium		ND	mg/L	3E-05						
Cadmium		ND	mg/L	6E-05						
Chromium		0.0001	mg/L	8E-05						
Copper		9E-05	mg/L	4E-05						
Lead		ND	mg/L	2E-05						
Manganese		ND	mg/L	5E-05						
Mercury		ND	mg/L	4E-05						
Molybdenum		ND	mg/L	4E-05						
Nickel		ND	mg/L	9E-05						
Selenium		ND	mg/L	0.001						
Uranium		ND	mg/L	8E-06						
Vanadium		ND	mg/L	9E-05						
Zinc		0.001	mg/L	6E-05						
Sample ID: LFB	14	Laboratory Fortified Blank				Run: ICPMS2-C_090623A				06/23/09 13:23
Arsenic		0.0520	mg/L	0.0010	104	85	115			
Barium		0.0517	mg/L	0.0010	103	85	115			
Cadmium		0.0520	mg/L	0.0010	104	85	115			
Chromium		0.0525	mg/L	0.0010	105	85	115			
Copper		0.0522	mg/L	0.0010	104	85	115			
Lead		0.0522	mg/L	0.0010	104	85	115			
Manganese		0.0520	mg/L	0.0010	104	85	115			
Mercury		0.00517	mg/L	0.0010	103	85	115			
Molybdenum		0.0524	mg/L	0.0010	105	85	115			
Nickel		0.0517	mg/L	0.0010	103	85	115			
Selenium		0.0521	mg/L	0.0014	104	85	115			
Uranium		0.0502	mg/L	0.00030	100	85	115			
Vanadium		0.0521	mg/L	0.0010	104	85	115			
Zinc		0.0536	mg/L	0.0010	105	85	115			
Sample ID: C09060799-009BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090623A				06/24/09 06:41
Arsenic		0.0537	mg/L	0.0010	107	70	130			
Barium		0.0795	mg/L	0.0010	101	70	130			
Cadmium		0.0488	mg/L	0.010	98	70	130			
Chromium		0.0498	mg/L	0.0010	89	70	130			
Copper		0.0487	mg/L	0.010	97	70	130			
Lead		0.0512	mg/L	0.050	102	70	130			
Manganese		0.144	mg/L	0.010	107	70	130			
Mercury		0.00549	mg/L	0.0010	110	70	130			
Molybdenum		0.0594	mg/L	0.0010	105	70	130			
Nickel		0.0487	mg/L	0.0010	95	70	130			
Selenium		0.960	mg/L	0.0010		70	130			A
Uranium		3.06	mg/L	0.00030		70	130			A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R120024
Sample ID: C09060799-009BMS4	14	Sample Matrix Spike				Run: ICPMS2-C_090623A			06/24/09 06:41	
Vanadium		0.102	mg/L	0.10	99	70	130			
Zinc		0.0529	mg/L	0.010	104	70	130			
Sample ID: C09060799-009BMSD	14	Sample Matrix Spike Duplicate				Run: ICPMS2-C_090623A			06/24/09 06:48	
Arsenic		0.0548	mg/L	0.0010	110	70	130	2.1	20	
Barium		0.0786	mg/L	0.0010	99	70	130	1.1	20	
Cadmium		0.0487	mg/L	0.010	97	70	130	0	20	
Chromium		0.0509	mg/L	0.0010	91	70	130	2.1	20	
Copper		0.0485	mg/L	0.010	96	70	130	0.4	20	
Lead		0.0512	mg/L	0.050	102	70	130	0.2	20	
Manganese		0.143	mg/L	0.010	104	70	130	0.9	20	
Mercury		0.00548	mg/L	0.0010	110	70	130	0.3	20	
Molybdenum		0.0592	mg/L	0.0010	105	70	130	0.3	20	
Nickel		0.0490	mg/L	0.0010	95	70	130	0.7	20	
Selenium		0.969	mg/L	0.0010		70	130	1	20	A
Uranium		3.02	mg/L	0.00030		70	130	1.3	20	A
Vanadium		0.103	mg/L	0.10	101	70	130	0.9	20	
Zinc		0.0515	mg/L	0.010	101	70	130	2.6	20	
Method: E300.0										Batch: R120182
Sample ID: LCS	2	Laboratory Control Sample				Run: IC1-C_090623A			06/23/09 21:30	
Chloride		9.62	mg/L	1.0	96	90	110			
Sulfate		38.1	mg/L	1.0	95	90	110			
Sample ID: MBLK	2	Method Blank				Run: IC1-C_090623A			06/23/09 21:46	
Chloride		ND	mg/L	0.04						
Sulfate		ND	mg/L	0.1						
Sample ID: C09060799-004AMS	2	Sample Matrix Spike				Run: IC1-C_090623A			06/24/09 14:27	
Chloride		99.2	mg/L	1.0	98	90	110			
Sulfate		698	mg/L	1.0	88	90	110			S
Sample ID: C09060799-004AMSD	2	Sample Matrix Spike Duplicate				Run: IC1-C_090623A			06/24/09 14:43	
Chloride		100	mg/L	1.0	100	90	110	0.8	20	
Sulfate		697	mg/L	1.0	87	90	110	0.3	20	S

Qualifiers:

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S - Spike recovery outside of advisory limits.

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MDC - Minimum detectable concentration

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1										Batch: B_R131712
Sample ID: MBLK		Method Blank				Run: SUB-B131712				06/24/09 09:55
Nitrogen, Ammonia as N		ND	mg/L	0.02						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131712				06/24/09 09:56
Nitrogen, Ammonia as N		0.949	mg/L	0.10	96	90	110			
Sample ID: B09062208-001AMS		Sample Matrix Spike				Run: SUB-B131712				06/24/09 10:19
Nitrogen, Ammonia as N		0.837	mg/L	0.10	85	90	110			S
Sample ID: B09062208-001AMSD		Sample Matrix Spike Duplicate				Run: SUB-B131712				06/24/09 10:20
Nitrogen, Ammonia as N		0.871	mg/L	0.10	89	90	110	4	10	S
Method: E353.2										Batch: B_R131734
Sample ID: MBLK		Method Blank				Run: SUB-B131734				06/24/09 13:39
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.002						
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B131734				06/24/09 13:40
Nitrogen, Nitrate+Nitrite as N		0.985	mg/L	0.050	101	90	110			
Sample ID: C09060799-005E		Sample Matrix Spike				Run: SUB-B131734				06/24/09 15:35
Nitrogen, Nitrate+Nitrite as N		0.938	mg/L	0.050	95	90	110			
Sample ID: C09060799-005E		Sample Matrix Spike Duplicate				Run: SUB-B131734				06/24/09 15:36
Nitrogen, Nitrate+Nitrite as N		0.942	mg/L	0.050	96	90	110	0.4	10	

Qualifiers:

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: GrAB-0692	
Sample ID: MB-GrAB-0692	6	Method Blank				Run: G5000W_090706A			07/11/09 00:27	
Gross Alpha		-0.7	pCi/L							U
Gross Alpha precision (±)		0.6	pCi/L							
Gross Alpha MDC		0.7	pCi/L							
Gross Beta		-3	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Sample ID: UNAT-GrAB-0692		Laboratory Control Sample				Run: G5000W_090706A			07/11/09 00:27	
Gross Alpha		130	pCi/L		97	70	130			
Sample ID: Cs137-GrAB-0692		Laboratory Control Sample				Run: G5000W_090706A			07/11/09 00:27	
Gross Beta		91	pCi/L		102	70	130			
Sample ID: C09060799-001DDUP	6	Sample Duplicate				Run: G5000W_090706A			07/11/09 00:27	
Gross Alpha		39.8	pCi/L					16	25.7	
Gross Alpha precision (±)		3.28	pCi/L							
Gross Alpha MDC		2.24	pCi/L							
Gross Beta		10.2	pCi/L					29	41.7	
Gross Beta precision (±)		1.89	pCi/L							
Gross Beta MDC		2.87	pCi/L							
Sample ID: C09061220-001AMS		Sample Matrix Spike				Run: G5000W_090706A			07/11/09 12:46	
Gross Alpha		190	pCi/L		127	70	130			
Sample ID: C09061220-001AMSD		Sample Matrix Spike Duplicate				Run: G5000W_090706A			07/11/09 12:46	
Gross Alpha		207	pCi/L		140	70	130	9	17.5	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.										
Sample ID: C09061220-002AMS		Sample Matrix Spike				Run: G5000W_090706A			07/11/09 12:46	
Gross Beta		92.3	pCi/L		100	70	130			
Sample ID: C09061220-002AMSD		Sample Matrix Spike Duplicate				Run: G5000W_090706A			07/11/09 12:46	
Gross Beta		90.9	pCi/L		98	70	130	1.5	16.3	

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-3765
Sample ID: C09060787-003AMS		Sample Matrix Spike				Run: BERTHOLD 770-2_090622A				06/29/09 21:27
Radium 226		15	pCi/L		88	70	130			
Sample ID: C09060787-003AMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_090622A				06/29/09 21:27
Radium 226		15	pCi/L		87	70	130	0.1	25.8	
Sample ID: MB-RA226-3765	3	Method Blank				Run: BERTHOLD 770-2_090622A				06/29/09 23:16
Radium 226		-0.04	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Sample ID: LCS-RA226-3765		Laboratory Control Sample				Run: BERTHOLD 770-2_090622A				06/29/09 23:16
Radium 226		6.8	pCi/L		87	70	130			
Method: E903.0										Batch: RA226-3766
Sample ID: C09060787-005AMS		Sample Matrix Spike				Run: TENNELEC-3_090623C				07/01/09 09:38
Radium 226		13	pCi/L		82	70	130			
Sample ID: C09060787-005AMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090623C				07/01/09 09:38
Radium 226		13	pCi/L		81	70	130	0.9	24.3	
Sample ID: MB-RA226-3766	3	Method Blank				Run: TENNELEC-3_090623C				07/01/09 09:38
Radium 226		0.2	pCi/L							
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Sample ID: LCS-RA226-3766		Laboratory Control Sample				Run: TENNELEC-3_090623C				07/01/09 09:38
Radium 226		7.9	pCi/L		98	70	130			
Method: RA-05										Batch: RA228-2731
Sample ID: LCS-228-RA226-3765		Laboratory Control Sample				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		9.5	pCi/L		110	70	130			
Sample ID: MB-RA226-3765	3	Method Blank				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		0.03	pCi/L							U
Radium 228 precision (±)		0.8	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C09060787-004AMS		Sample Matrix Spike				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		22	pCi/L		108	70	130			
Sample ID: C09060787-004AMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090622A				06/26/09 08:26
Radium 228		19	pCi/L		93	70	130	12	33.5	

Qualifiers:

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QA/QC Summary Report

Client: Cogema Mining Inc
Project: CR Guideline 8

Report Date: 07/17/09
Work Order: C09060799

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-2732
Sample ID: LCS-228-RA226-3766		Laboratory Control Sample				Run: TENNELEC-3_090623E				06/26/09 10:30
Radium 228		8.8	pCi/L		112	70	130			
Sample ID: MB-RA226-3766	3	Method Blank				Run: TENNELEC-3_090623E				06/26/09 10:30
Radium 228		-0.8	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C09060787-006AMS		Sample Matrix Spike				Run: TENNELEC-3_090623E				06/26/09 10:30
Radium 228		19	pCi/L		102	70	130			
Sample ID: C09060787-006AMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_090623E				06/26/09 10:30
Radium 228		17	pCi/L		90	70	130	11	33.9	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc. ; PO Box 730 Mills, WY 82644
Phone 738-2464 (Irigaray Mine) or 234-5019 (Mills Office)

Samples shipped to Energy Lab; Casper, WY

Submitted by J. Richards Date 6/18/9 Received by Diane Downing Date 6/19/09 14

Sample Description: CR Guideline 8

Analysis Requested*: ASSAY SUITE A; Water quality parameters listed in the Wyoming DEQ Guideline # 8, for uranium mines.

Send Analysis Results to Larry Abogast
e-mail copies to larry.abogast@areva.com &
hdemuth@petrotek.com

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	5MW59	6/17/09	1 Liter		X			
			500 ml	X		X		
			500 ml		X	X		
			2 Liter	X		X		
			500 ml		X		X	
2	5MW5	6/18/9	**	**	**	**	**	
3	5B276-1		**	**	**	**	**	
4	BD		**	**	**	**	**	
5	5MW-03		**	**	**	**	**	
6	5MW56		**	**	**	**	**	
7	5MW51		**	**	**	**	**	
8	5MW31		**	**	**	**	**	
9	5MW-07		**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	
16			**	**	**	**	**	
17			**	**	**	**	**	
18			**	**	**	**	**	

* All analysis will be performed in accordance with EPA approved procedures and/or the latest edition of Standards Methods.

** Same as sample # 1.

Rev'd by 0906060799

Excel\ENV-FORM\SUB-G8 (6-8-94 JV)

Clint Oliver 6/19/09 902

Diane Downing 6/19/09 9:02 14

Energy Laboratories Inc
Workorder Receipt Checklist

C09060799

Cogema Mining Inc

Login completed by: Corinne Wagner

Reviewed by:

Reviewed Date:

Date and Time Received: 6/19/2009 9:02 AM

Received by: dd

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	14°C		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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CLIENT: Cogema Mining Inc
Project: CR Guideline 8
Sample Delivery Group: C09060799

Date: 17-Jul-09

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT