

Rio Algom Mining Corp. P.O. Box 1390 Glenrock, Wyoming 82637 307.358.3744 tel 762 Ross Road Douglas, Wyoming 82633

307.266.2449 tel 307.358.9201 fax

Certified Maii-7001 2510 0008 1946 3748 **Return Receipt Requested**

February 28, 2002

Mr. Melvyn Leach Fuel Cycle Licensing Branch C/O Document Control Desk, Division of Fuel Cycle Safety and Safeguards, Office of Nuclear Materials Safety and Safeguards, U.S. NRC. 11545 Rockville Pike, Two White Flint North Rockville, MD 20852-2738

RE: **Smith Ranch Facility**

> NRC License SUA-1548, Docket 40-8964 Semi-Annual Effluent Monitoring Report, July 1-December 31, 2001

Dear Mr. Leach:

Please find attached the Semi-Annual Effluent Monitoring Report for July 1, 2001 through December 31, 2001, as required pursuant to Smith Ranch License condition 11.1.

During this reporting period there were no areas of concern. If you have any questions regarding the report, please feel free to contact me at (307) 358-3744, ext. 62.

Sincerely.

John W. Cash

Manager EHS & Regulatory Affairs

Cc:

B. Ferdinand-w/attachments (RAM/SRP)

M. Freeman-w/ attachments (RAM/OKC)

P. Goranson-w/attachments (RAM/OKC)

S. Ingle-w/attachments (WDEQ/Chevenne)

-Certified Mail-7001 2510 0008 1946 3731

J. Lusher-w/attachments (NRC)

- Certified Mail - 7099 3220 0002 1633 0515

file

RIO ALGOM MINING LLC. SEMI-ANNUAL EFFLUENT MONITORING REPORT SMITH RANCH FACILITY JULY 1 THROUGH DECEMBER 31, 2001

NRC - LICENSE SUA-1548, DOCKET 40-8964 WDEQ/LQD - PERMIT TO MINE #633

RIO ALGOM MINING CORP.- SMITH RANCH FACILITY SEMI-ANNUAL EFFLUENT MONITORING REPORT JULY 1 THROUGH DECEMBER 31, 2001

EFFLUENT MONITOR REPORT

The Smith Ranch license, specifically condition 11.1, describes the effluent and environmental monitoring program for the facility. Accordingly, pursuant to 10 CFR §40.65, license condition 11.1, and the parameters from Table 5.3 from the March 31, 1988, license application as amended, the effluent and monitoring results for this semi-annual period are provided.

I. <u>Commercial Operation Data-Injection Rates, Recovery Rates, Pipeline Pressures, and</u> Injection Manifold Pressures

Presented in the tables below are the average injection rates, recovery rates, pipeline pressures, and injection manifold pressures as required by condition 11.1.

Injection and Recovery Rates

(average gallons per minute)

MONTH	WF#1 PC	WF#1 IC	WF#3 PC	WF#3 IC	WF#4 PC	WF#4 IC	WF#4A	WF#4A IC
	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	PC FLOW	FLOW
JUL.	61.91	61.61	1229.54	1217.80	2988.89	2974.05	1347.83	1341.14
AUG.	32.49	32.34	1219.57	1197.91	2204.56	2194.26	1349.88	1343.58
SEPT.	137.44	136.43	962.27	952.33	1434.05	1423.46	1404.13	1393.76
OCT.	292.46	290.07	900.91	890.00	1345.06	1334.06	1708.61	1694.64
NOV.	288.42	285.43	1038.15	1027.64	1159.70	1147.68	1600.21	1583.62
DEC.	254.88	253.26	1091.45	1080.73	1223.90	1216.10	1566.62	1556.64

Pipeline Pressures

(pounds per square inch)

MONTH	CPP PC PRESSURE	CPP IC PRESSURE	SAT PC PRESSURE	SAT IC PRESSURE
JUL.	97	164	118	80
AUG.	119	165	104	62
SEPT.	100	160	107	78
OCT.	105	161	109	87
NOV.	95	162	107	55
DEC.	77	157	87	21

Injection Manifold Pressures

(pounds per square inch)

MONTH	WF#1 INJECTION PRESSURE	WF#3 INJECTION PRESSURE	WF#4 INJECTION PRESSURE	WF#4A INJECTION PRESSURE
JULY	3	123	119	127
AUG.	0	112	127	126
SEPT.	44	121	120	132
ост.	102	122	122	129
NOV.	102	92	126	137
DEC.	102	67	129	140

^{*}This is the injection pressure at the manifold. Injection pressure at the individual wellhead is less due to pressure loss through manifold system, pipelines and filters.

II. Air Sampling

A. Particulates

Pursuant to license condition 11.1 as defined by Table 5.3, air particulates monitoring is performed by continuous air samplers at the nearest downwind residence (Vollman Ranch), downwind of the restricted area boundary (fence line), and an upwind location (Dave's Water Well). Monitoring is required to be conducted quarterly. The results from this quarterly monitoring are presented below.

Vollman Ranch

	, ,	3 rd QUARTER		4 th QUARTER		
PARAMETER	CONC. (_µ Ci/ml)	LLD (_µ Ci/ml)	ERROR ESTIMATE (µCi/ml)	CONC. (_µ Ci/ml)	LLD (_µ Ci/ml)	ERROR ESTIMATE (µCi/ml)
U _{NAT}	1.92E-15	1.00E-16	N/A	9.69E-16	1.00E-16	N/A
Th-230	1.02E-15	1.00E-16	3.94E-16	3.18E-16	1.00E-16	1.99E-16
Ra-226	1.58E-15	1.00E-16	3.15E-16	6.76E-16	1.00E-16	1.99E-16
Pb-210	3.82E-13	2.00E-15	9.37E-15	3.95E-13	2.00E-15	6.24E-15

⁽¹⁾ Samples collected monthly and composited quarterly.

Dave's Water Well

	3 rd QUARTER			4 th QUARTER		
PARAMETER	CONC. (_µ Ci/ml)	LLD (_µ Ci/ml)	ERROR ESTIMATE (µCi/ml)	CONC. (_µ Ci/ml)	LLD (_µ Ci/ml)	ERROR ESTIMATE (µCi/ml)
U _{NAT}	1.49E-15	1.00E-16	N/A	7.08E-16	1.00E-16	N/A
Th-230	3.67E-16	1.00E-16	2.75E-16	3.05E-16	1.00E-16	2.61E-16
Ra-226	1.74E-15	1.00E-16	3.67E-16	7.41E-16	1.00E-16	2.18E-16
Pb-210	2.79E-13	2.00E-15	9.27E-15	3.86E-13	2.00E-15	6.52E-15

Fence Line

		3 rd QUARTER		4 th QUARTER		
PARAMETER	CONC. (_µ Ci/ml)	LLD (_µ Ci/ml)	ERROR ESTIMATE (µCi/ml)	CONC. (_µ Ci/ml)	LLD (_µ Ci/ml)	ERROR ESTIMATE (µCi/ml)
U _{NAT}	1.85E-14	1.00E-16	N/A	1.07E-14	1.00E-16	N/A
Th-230	1.52E-16	1.00E-16	0.00E+0	4.40E-16	1.00E-16	3.08E-16
Ra-226	2.20E-15	1.00E-16	3.80E-16	2.86E-15	1.00E-16	3.08E-16
Pb-210	3.71E-13	2.00E-15	9.03E-15	4.37E-13	2.00E-15	6.91E-15

B. Radon

Pursuant to license condition 11.1 as defined by Table 5.3, radon is monitored by continuous samplers (track etch) at the nearest downwind residence (Vollman Ranch), downwind of the restricted area boundary (fence line), and an upwind location (Dave's Water Well). Monitoring is required to be conducted quarterly. The results indicate the values continue to be indistinguishable and within the sphere of background. Accordingly, Rio Algom to show compliance with the provisions of 10 CFR §1301, uses the provisions provided in 10 CFR §1302(b)(1).

Vollman Ranch⁽²⁾

	3 rd Quarter	4 th Quarter
Parameter	Conc. (µCi/ml)	Conc. (_µ Ci/ml)
Radon	6.0E-10	1.2E-9

⁽²⁾ NVLAP Vendor does not provide percent error or lower level of detection.

Dave's Water Well

	3 rd Quarter	4 th Quarter
Parameter	Conc. (_µ Ci/ml)	Conc. (_µ Ci/ml)
Radon	8.0E-10	9.0E-10

Fence Line

	3 rd Quarter	4 th Quarter	
Parameter	Conc. (µCi/ml)	Conc. (µCi/ml)	
Radon	8.0E-10	8.0E-10	

III. Water

A. Groundwater

The groundwater monitoring program requires operating livestock or domestic wells within 1 kilometer of operating wellfields be sampled quarterly for natural uranium and radium-226. Vollman's Pond and Smith Windmill #1 are within 1 kilometer of wellfield #1 and Smith's Windmill #2 and the Solar Pump are within 1 kilometer of wellfield #3. There are no livestock or domestic wells within 1 kilometer of wellfield #4. The results of the quarterly samples for the operating livestock wells are presented in the table below.

Local Groundwater Wells

	3 rd Quarter		4 th Quarter	
Location	Unat (_µ Ci/ml)	Ra-226 (_µ Ci/ml)	Unat (µCi/ml)	Ra-226 (_µ Ci/ml)
Vollman Pond	NO WATER	NO WATER	NO WATER	NO WATER
Smith Pond	NO WATER	NO WATER	NO WATER	NO WATER
Smith's Windmill #1	2.98E-8	1.30E-9	NO WATER	NO WATER
Smith's Windmill #2	5.96E-8	7.0E-10	NO WATER	NO WATER
Solar Pump	5.96E-9	4.0E-10	NO WATER	NO WATER

B. Surface Water

The surface water monitoring program requires two (2) samples from Sage Creek and one (1) sample from the outfall of the treatment plant. Each is on a quarterly basis. The Sage Creek samples are to be taken upstream and downstream from the restricted areas when flow is available in the creek.

During the 3rd and 4th quarter of the report period, there was no flow in Sage Creek and therefore, no analytical results are available. There was no flow above the restricted area during either quarter. In regards to the outfall from the treatment plant, upon commencement of commercial operations, the discharge is routed to the facility's central processing plant and disposed through the UIC permitted disposal well. Thus, there was no discharge from the outfall during the report period. The NPDES reporting for this outfall is presented in Appendix A.

Sage Creek Sample Results

	3 rd Qtr.		4 th Qtr.	
Sample Location	Unat (µg/ml)	Ra226 (µCi/ml)	Unat (µg/ml)	Ra226 (µCi/ml)
Below Restricted Area	No Flow	No Flow	No Flow	No Flow
Above Restricted Area	No Flow	No Flow	No Flow	No Flow

IV. Soil

Soil sampling is conducted annually at the downwind air sampling station. A sample was taken during the second half of the calendar year with the results presented below.

Soil Sample Result

Location	U _{nat} pCi/g	Ra ₂₂₆ pCi/g	Pb ₂₁₀ pCi/g
Downwind of Air Sampling	0.45	0.84	0.82
Station		L	

V. Vegetation

Vegetation sampling is performed annually at the downwind air sampling station. The sampling was performed during the second half of the calendar year with the results reported below.

Vegetation Sample Result

Location	Ս _µ Ci/Kg	Ra _{226µ} Ci/Kg	Th _{230µ} Ci/Kg	Pb _{210µ} Ci/Kg
Downwind of Air Sampling	5.5E-05	8.1E-05	1.8E-05	7.7E-04
Station				

VI. Direct Radiation

Direct radiation readings are measured at the three (3) air monitoring stations, downwind of the evaporation pond, and at each wellfield using dosimeter badges on a quarterly basis. Provided in the table below are the results from those measurements.

Direct Radiation

 $(\mu R/hr)$

Location	3 rd Quarter	4 th Quarter
Vollman Ranch	15.1	12.3
Fence Line	18.6	15.1
Dave's Water Well	16.0	13.5
Wellfield #1	16.0	14.3
Wellfield #3	14.6	12.7
Wellfield #4	15.1	14.7
Wellfield #4A	14.6	13.1
Pond	16.8	14.7

^{*}Background has not been subtracted from the above readings. Dave's Water Well is the background.

VII. Stack Sampling

As constructed, there are no effluent stacks from the yellowcake vacuum dryers. Accordingly, there is no stack sampling of the yellowcake dryer.

VIII. Other Effluent Monitoring Results

A. Gamma Radiation Survey

During "Deferred Production Status" of the O-Sand Pilot area, gamma radiation was measured quarterly at the following four (4) locations. Please note that with the initiation of commercial operations in wellfield #3 on August 10, 1998, the "Deferred Production Status" monitoring requirements are no longer required. Although, not required, measurements obtained during the 3^{rd} and 4^{th} quarter are presented in the table below.

Deferred Production Status Direct Radiation Measurements

Location	3 rd Quarter (µR/Hr)	4 th Quarter (µR/Hr)
Downwind of Radon Sampling Location	28	28
Upwind of Process Plant	18	22
Process Leach Tank	26	38
Evaporation Ponds	51	40

APPENDIX A



Rio Algom Mining Corp. P.O. Box 1390 Glenrock, Wyoming 82637 762 Ross Road

Douglas, Wyoming 82633

307.358.3744 tel 307.266.2449 tel 307.358.9201 fax

Certified Mail - 7099 3220 0002 1633 0218 Return Receipt Requested

October 2, 2001

Mr. Chris Abernathy Department of Environmental Quality **Water Quality Division** Herschler Building, 4 West 122 West 25th Street Chevenne, WY 82002

3rd Quarter 2001 NPDES Discharge Monitoring Report

Dear Mr. Abernathy:

Attached are the Discharge Monitoring Reports for the Smith Ranch Facility, Permit Number WY-0022411 for the third quarter of 2001.

There was "No Discharge" from either discharge point during the quarter.

Sincerely.

John W. Cash

Manager EHS and Regulatory Affairs

xc:

B. Ferdinand-w/ attachments

M. Freeman-w/o attachments

P. Goranson-w/ attachments

file-w/ attachments

Rio Algom Mining PO Box 1390	Corporation	on	·	DISC	CHARGE MO	CHARGE ELIMINATION S DNITORING REPOR	RT (DMR)				
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Bill Ferdinand					М	ONITORING PERIO	OD				
Bill Smith Uraniun	n Mine			· ·	F	rom 7/1/01 to 9/30/0)1				
S36,T36N,R74W			Qua	antity or Loading			Quality or Conce	ntration			
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Bicarbonate					n/a		No	No	mg/l		
7/1/01 through 9/3	30/01		X		N		Discharge	Discharg	e i		
Please see pern	nit, Part 1,	Section A for a	an explanation	of the limitations for	this permit.						
Chlorides					n/a			No	mg/l		
7/1/01 through 9/3	30/01							Discharg	e	\$.00 × .00 / .00	
Please see perm	nit, Part 1,	Section A for	an explanation	of the limitations for	this permit.	Statu and A facility integral of the confidence of	ne a ferencia in un marco de un mentre con 1964 a 1964.	295 the Marie Contact A. BY Names		Makesiati to the six sixter its with severy	Incommunication of the contraction
Oil And Grease (\	√isual)				n/a			No	mg/l		
7/1/01 through 7/3	31/01							Discharg	e		
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Oil And Grease (\	Visual)				n/a			No	mg/l		
8/1/01 through 8/3	31/01							Discharg	e		
In the event that	t an oil she	en or floating	oil is observed i	n the discharge, a g	rab sample i	must be immediately	/ taken, analyzed a	nd reported. Se	e permit.		
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NAME/TITLE PRINCIPL EXECUTIVE OFFICER

R.P. Luke/President

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE TELEPHONE
OFICER OR AUTHORIZED AGENT

307/358-3744

DATE

10/02/01

Bill Ferdinand

Page 1 of 3

Rio Algom Mining Corporation	NATIONAL	POLLUTANT DISCHA	RGE ELIMINATION SYSTI	EM (NIPDES)		
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Bill Smith Uranium Mine		<u> </u>	n 7/1/01 to 9/30/01			
\$36,T36N,R74W						
	Quantity or Loading		C	Quality or Concentration	1	
PARAMETER	AVERAGE MAXIMUM	UNITS	MINIMUM	AVERAGE MA	XIMUM UNITS	FREQUENCY SAMPLE TYPE
Oil And Grease (Visual)		n/a			No mg/l	
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The Care again of our of						
Please see permit, Part 1, Section A for	or an explanation of the limitations f	or this permit.			1632-32388831	
Sodium		n/a			NO mg/l	
7/1/01 through 9/30/01		2.40s		Disc	harge	
Please see permit, Part 1, Section A fo	or an explanation of the limitations t	or this permit.				
				-		

R.P. Luke/President

NAME/TITLE PRINCIPL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)

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Bill Ferdinand

Page 2 of 3

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PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Total Arsenic					n/a			No	ug/l		
7/1/01 through 9	9/30/01				88			Discharge			
· ·											
Please see pe	ermit, Part 1	, Section A for a	an explanation	of the limitations for	this permit.						
Total Flow			No Discharg	No ge Discharge	MGD				n/a		
7/1/01 through 3	7/31/01		Dischary	e Discharge				l e			102.112.102
			22.00								
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Please see pe	ermit, Part 1	, Section A for	an explanation	of the limitations for	this permit.		•				

NAME/TITLE PRINCIPL EXECUTIVE OFFICER

R.P. Luke/President

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DATE
10/02/01

Bill Ferdinand

Page 3 of 3

Rio Algom Mining Corporation PO Box 1390				HARGE ELIMINATION SYSTI DNITORING REPORT (***************************************	
Glenrock WY 826371390	}	/0022411	DISC	001Q	NO DISCH				
Bill Ferdinand			M	ONITORING PERIOD					
Bill Smith Uranium Mine			F	rom 7/1/01 to 9/30/01					
S36,T36N,R74W	Quantity	or Loading			Quality or Conce	ntration			
PARAMETER	AVERAGE	MAXIMUM	UNITS	MENEMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Dissolved Radium 226 7/1/01 through 7/31/01 Please see permit, Part 1, Section A for a	in explanation of the	e limitations for	n/a this permit.	NO Discharge	9%	No Discharge	mg/l	**************************************	
Dissolved Radium 226 8/1/01 through 8/31/01 Please see permit, Part 1, Section A for a	n explanation of the	e limitations for	n/a this permit.	No Discharge		No Discharge	mg/l	iz visitrit.	7,15
Dissolved Radium 226 9/1/01 through 9/30/01 Please see permit, Part 1, Section A for a	an explanation of the	B limitations for	n/a this permit.	No Discharge		No Discharge	mg/l		
Oil And Grease (Visual) 7/1/01 through 7/31/01 In the event that an oil sheen or floating of	oll is observed in the	discharge, a g	n/a rab sample	must be immediately ta	iken, analyzed a	No Discharge			(CISIL 24.8)

NAME/TITLE PRINCIPL EXECUTIVE OFFICER

R.P. Luke/President

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Bill Ferdinand

Page 1 of 5

Rio Algom Mining Corporation PO Box 1390	DISC		HARGE ELIMINATION SYST					
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Bill Smith Uranium Mine		Fr	om 7/1/01 to 9/30/01					
S36,T36N,R74W	Quantity or Loading			Quality or Concer	ntration			
PARAMETER	AVERAGE MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Oil And Grease (Visual)		n/a		*******	No	mg/i		
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In the event that an oil sheen or floating of	oil is observed in the discharge, a g	rab sample m	nust be immediately ta	iken, analyzed ar	nd reported. See	permit.		(F) 6 (S
Oil And Grease (Visual)		n/a			No	mg/l		
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Selenium		n/a	No Diaghanas		No	mg/l		
7/1/01 through 9/30/01	97		Discharge		Discharge			
Please see permit, Part 1, Section A for	an explanation of the limitations for	r this permit.	Water Company of the Particular Services	and the second of the second o		and a	Destroya and some and	
								

NAME/TITLE PRINCIPL EXECUTIVE OFFICER	LOF
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	INC
R.P. Luke/President	unde

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE	TELEPHONE
OFICER OR AUTHORIZED AGENT	307/358-3744
Bies tendinine	DATE
7 kel section	10/02/01

Rio Algom Mining Corporation PO Box 1390			CHARGE ELIMINATION SYSTEM (NPDES) ONITORING REPORT (DMR)	
Glenrock WY 826371390	PERMIT NUMBER		CHARGE NUMBER NO DISCHARGE 001Q XXXXXXXXXX	
Bill Ferdinand		M	MONITORING PERIOD	
Bill Smith Uranium Mine	<u>_</u>	F	From 7/1/01 to 9/30/01	
S36,T36N,R74W	Quantity or Loading		Quality or Concentration	
PARAMETER	AVERAGE MAXIMUM	UNITS	MINIMUM AVERAGE MAXIMUM UNITS FREQUENCY SAMPLE T	YPE
Total Flow 7/1/01 through 7/31/01	No No Discharge Discharge	MGD	n/a (65 autinus 20) (70)	
Please see permit, Part 1, Section A for	r an explanation of the limitations for t	his permit.		
Total Flow 8/1/01 through 8/31/01 Please see permit, Part 1, Section A for	No No Discharge Discharge	MGD his permit.	n/a	Site IV
Total Flow 9/1/01 through 9/30/01 Please see permit, Part 1, Section A for	No Discharge Discharge		n/a 	
Total Suspended Solids 7/1/01 through 7/31/01 Please see permit, Part 1, Section A for	r an explanation of the limitations for t	n/a his permit.	No No Discharge Discharge mg/l	
AND MAIN AND AND AND AND AND AND MAIN AND AND AND AND				

R.P. Luke/President

NAME/TITLE PRINCIPL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE	TELEPHONE
OFICER OR AUTHORIZED AGENT	307/358-3744
A. 1. 1	DATE
Butulmenl	10/02/01

Rio Algom Mining Corporation	NATIONAL DO							*************
PO Box 1390			HARGE ELIMINATION SYST NITORING REPORT (
Glenrock WY 826371390	PERMIT NUMBER WY0022411	¬ ————	HARGE NUMBER 001Q	NO DISCH				
Bill Ferdinand	[MC	ONITORING PERIOD					
Bill Smith Uranium Mine	l		rom 7/1/01 to 9/30/01					
S36,T36N,R74W	Quantity or Loading			Quality or Concer	ntratian			
PARAMETER	AVERAGE MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Total Suspended Solids		n/a	No		No	mg/l		
8/1/01 through 8/31/01			Discharge	(SMESONE WORKERS)	Discharge			
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.						
Total Suspended Solids		n/a	No		No	mg/l		
9/1/01 through 9/30/01			Discharge		Discharge			65.15
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.	100.000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			£21		
Total Uranium (as U)		n/a	No		No	mg/l		
7/1/01 through 7/31/01			Discharge	1976	Discharge		(
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.	Care and the Control of the Control	ruda due utsisetiins	Bartuale Irok Wateriation			1800 200 Broke 62 Aug
Total Uranium (as U)		n/a	No		No	mg/l		
8/1/01 through 8/31/01			Discharge	140	Discharge		Sife of the same	
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.	Paramanan da Andrea (Antonio de Salan	and a little line at the section of the little and the section of the section of the section of the section of	eko ko alda ak Dizari eki telak aldadiz	924		Telescope sanda a substituta de
			-					

NAME/TITLE PRINCIPL EXECUTIVE OFFICER

R.P. Luke/President

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFICER OR AUTHORIZED AGENT

307/358-3744

DATE

10/02/01

Bill Ferdinand

Page 4 of 5

Rio Algom Mining Corporation PO Box 1390 Glenrock WY 826371390	DISC PERMIT NUMBER	CHARGE MO	HARGE ELIMINATION SYSTE INITORING REPORT (CHARGE NUMBER 001Q						***
Bill Ferdinand Bill Smith Uranium Mine			ONITORING PERIOD		AAAA				
\$36,T36N,R74W	Quantity or Loading			Quality or Conce	ntration				
PARAMETER	AVERAGE MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE	
Total Uranium (as U) 9/1/01 through 9/30/01 Please see permit, Part 1, Section A fo	or an explanation of the limitations for	n/a this permit.	No Discharge		No Discharge	mg/i			
Total Zinc 7/1/01 through 9/30/01 Please see permit, Part 1, Section A fo	or an explanation of the limitations for	n/a this permit.	No Discharge	al factorial and a second	Discharge	mg/i			

NAME/TITLE PRINCIPL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFICER OR AUTHORIZED AGENT

307/358-3744

DATE

10/02/01

R.P. Luke/President

Bill Ferdinand

Page 5 of 5



Rio Algom Mining Corp. P.O. Box 1390 Glenrock, Wyoming 82637 307.358.3744 tel 762 Ross Road Douglas, Wyoming 82633 307.358.9201 fax

307.266.2449 tel

Certified Mail - 7001 2510 0008 1946 3700 **Return Receipt Requested**

January 4, 2002

Mr. Chris Abernathy **Department of Environmental Quality Water Quality Division** Herschler Building, 4 West 122 West 25th Street Chevenne, WY 82002

4th Quarter 2001 NPDES Discharge Monitoring Report

Dear Mr. Abernathy:

Attached are the Discharge Monitoring Reports for the Smith Ranch Facility, Permit Number WY-0022411 for the fourth quarter of 2001.

There was "No Discharge" from either discharge point during the quarter.

Sincerely,

John W. Cash

Manager EHS and Regulatory Affairs

xc:

B. Ferdinand-w/ attachments

M. Freeman-w/o attachments

P. Goranson-w/ attachments

file-w/ attachments

Rio Algom Minis	ng Corporat	ion				SCHARGE ELIMINATION SYS					
PO Box 1390			PE	RMIT NUMBER		SCHARGE NUMBER	NO DISCH	HARGE			
Glenrock	WY	8263713		VY0022411		001Q	XXXXXX	CXX			
Bill Ferdinand						MONITORING PERIOD)		•		
Bill Smith Uran	lum Mine				F	rom 10/1/01 to 12/31/0	11				
S36,T36N,R74	W		Quan	itity or Loading			Quality or Conce	ntration			
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENC	Y SAMPLE TYPE
Dissolved Radi	um 226				n/a	NO DISCHARGE	·····	NO DISCHARGE	mg/l		
10/1/01 through	h 10/31/01		84.97 AZ		· (54 .: .: .:	STANDARD C					
Please see p	ermit, Part	1, Section A	for an explanation of	the limitations for	this permi	<u> </u>					
Dissolved Radi	ium 226				n/a	NO		NO	mg/l		
11/1/01 throug	h 11/30/01					DISCHARGE		DISCHARGE		C. Vina	
Please see p	ermit, Part	1, Section A	for an explanation of	the limitations fo	r this permi	t.					
Dissolved Rad	lum 226				n/a	NO NO DISCHARGE		NO DISCHARGE	mg/l		
12/1/01 throug	jh 12/31/01					DISCHARGE		DISCHARGE			
Please see p	oermit, Part	1, Section A	for an explanation of	f the limitations fo	r this permi	it.					
Oil And Greas	e (Visual)				n/a	7		NO DISCHARGE	mg/l		
10/1/01 throug	gh 10/31/01										
In the event	that an oil s	heen or floa	iting oil is observed in	the discharge, a	grab samp	le must be immediately	taken, analyzed	and reported. Se	e permit.		
									-		
NAME/TITLE PRIN	NCIPL EXECUT	IVE OFFICER						SIGNATURE	OF PRINCIPAL EX	ECUTIVE	TELEPHONE
			INFORMATION SUBMITTE RESPONSIBLE FOR OBTAIN	D HEREIN. AND BASE VING THE INFORMATI	D ON MY INQI ON, I BELIEVI	LLY EXAMINED AN AM FAMII UIRY OF THOSE INDIVIDUAL! E THE SUBMITTED INFORMAT	OFICER O	RAUTHORIZED	AGENT	307/358-3744	
AND C			AND COMPLETE. I AM AW INCLUDING THE POSSIBIL	D COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORM LUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penal				ION, Buch	tersema		DATE
R.P. Lu	ke/Pres	1	under these statutes may includ	IDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties hese statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)							01/02/02

Rio Algom Mining Corpora PO Box 1390	ation				CHARGE BLIMINATION SYST					
PO BOX 1390		PER	MIT NUMBER		CHARGE NUMBER	NO DISCH	HARGE			
Glenrock WY	826371390		Y0022411		001Q	XXXX				
Bill Ferdinand			[M	ONITORING PERIOD					
Bill Smith Uranium Mine			Ļ		om 10/1/01 to 12/31/01					
S36,T36N,R74W		Quantit	ty or Loading			Quality or Conce	ntration			
PARAMETER	· ·	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS FRE	QUENCY S	SAMPLE TYPE
Oil And Grease (Visual)				n/a	T		NO	mg/l		
11/1/01 through 11/30/01			A DO POSTANTALO AND				DISCHARGE			25.514.00.50
In the event that an oil s	sheen or floating	oil is observed in th	e discharge, a g	rah sample	must be immediately to	aken analyzed a	nd reported. See	nermit	MICHAEL .	
			— — — — —	— — — —						
Oil And Grease (Visual)				n/a			DISCHARGE	mg/l		
12/1/01 through 12/31/01			1		## N 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					1113
In the event that an oil s	sheen or floating	oil is observed in th	ne discharge, a g	rab sample	must be immediately to	aken, analyzed a	nd reported. See	permit.	and the control of th	
	th desired sparing sparing tracking spa				NO			SU		
pH 10/1/01 through 12/31/01			y contribution some	n/a	DISCHARGE	n er	DISCHARGE	30	9844540 C.2445 85	COLUMN TO STREET STREET STREET
·						and the second second second second				
Please see permit, Part	t 1, Section A for	r an explanation of t	he limitations for	this permit.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Selenium				n/a	NO	·	NO DISCHARGE	mg/i		
10/1/01 through 12/31/01	l				DISCHARGE		DISCHARGE			
Please see permit, Par	t 1, Section A for	r an explanation of t	he limitations for	this permit.	Water Andrews value of the		14700 N2750 (150)			2021 NASAS 232
NAME/TITLE PRINCIPL EXECU	I CE	RTIFY UNDER PENALTY	OF LAW THAT I HAV	B PERSONALLY	Y EXAMINED AN AM FAMILI	AR WITH THE		OF PRINCIPAL EXECUTIVE	3	relephone
	RESI	PONSIBLE FOR OBTAININ COMPLETE. I AM AWAF	N SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY E FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCUR FTE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMAT					TION JACK VALUE		
R P Luke/Pres	INCI	DOWNLE IE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTHES FOR SUBMITTING FALSE INFORMAT LUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penaltics or these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)					Rill Fe	rdinand	0.1	DATE

R.P. Luke/President

01/02/02

Bill Ferdinand

Rio Algom Mining Corporation							
PO Box 1390			MONITORING REPORT				
0.0074000			DISCHARGE NUMBER	NO DISCHA			
Glenrock WY 826371390	<u> WYOC</u>)22411	001Q	XXXXXX	XX		
Bill Ferdinand			MONITORING PERIOD				
Bill Smith Uranium Mine			From 10/1/01 to 12/31/01				
S36,T36N,R74W	Quantity or	Loading		Quality or Concent	ration		
PARAMETER	AVERAGE	MAXIMUM UNIT	S MINIMUM	AVERAGE	MAXIMUM	UNITS FREQUE	ENCY SAMPLE TYPE
Total Flow	NO DECOMADOR DE	NO MG	D			n/a	
10/1/01 through 10/31/01	DISCHARGE DI	SCHARGE					
Please see permit, Part 1, Section A for	an explanation of the lir	nitations for this per	mit.		01700000 AVA 128		
Total Flow	NO DESCRIPTION OF THE PROPERTY	NO MG	D			n/a	
11/1/01 through 11/30/01	DISCHARGE D	SCHARGE					
Please see permit, Part 1, Section A for	an explanation of the lir	nitations for this per	mit.	ale Digital Digitalina (Deputer 44)	and the second s		
Total Flow	NO DECOMPOSE DE	NO MG	iD G			n/a	
12/1/01 through 12/31/01	DISCHARGE D	ISCHARGE			erski siranovno de ra Haris		
Please see permit, Part 1, Section A for	an explanation of the li	mitations for this pe	rmit.	n. idi. Madalah sare 16	er en		
Total Suspended Solids		n/	a NO		NO	mg/l	
10/1/01 through 10/31/01			DISCHARGE		DISCHARGE	4(1)	
Please see permit, Part 1, Section A for	an explanation of the li	mitations for this pe	rmit.	ada Pigara Manda da a sa aka maraka	ar Cara da Dilli XIII day base i Ni	SECULAR A	en in the last distriction of a subbroker self-self-self-self-self-self-self-self-
NAME/TITLE PRINCIPL EXECUTIVE OFFICER I CER							
	TIFY UNDER PENALTY OF LA	W THAT I HAVE PERSON	NALLY EXAMINED AN AM FAMILL	AR WITH THE		PRINCIPAL EXECUTIVE	TELEPHONE
RESP	RMATION SUBMITTED HEREI ONSIBLE FOR OBTAINING TH COMPLETE. I AM AWARE TH	N. AND BASED ON MY I E INFORMATION, I BELII AT THERE ARE SIGNIFIC	NALLY EXAMINED AN AM FAMILI NQUIRY OF THOSE INDIVIDUALS I EVE THE SUBMITTED INFORMATION ANT PENALTIES FOR SUBMITTING T. SEE IS U.S.C. § 1001 AND 33 U.S.	IMMEDIATELY ON IS TRUE, ACCURATE G FALSE INFORMATION	OFICER OR	PRINCIPAL EXECUTIVE UTHORIZED AGENT	TELEPHONE 307/358-3744 DATE

Rio Algom Mini	ng Corporat	ion				CHARGE ELIMINATION SYST							
PO Box 1390			DEDI	DISCI	~~~~~	ONITORING REPORT		1000					
Glenrock	WY	826371390	 	0022411	DIS	CHARGE NUMBER	NO DISCHA						
			<u></u>	0022411		00102							
Bill Ferdinand						MONITORING PERIOD							
Bill Smith Urani	ium Mine				Fr	rom 10/1/01 to 12/31/01							
S36,T36N,R74	W		Quantity	or Loading			Quality or Concent	tration					
PARAMETER	· · · · · · · · · · · · · · · · · · ·		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE		
Total Suspende	ed Solids				n/a	NO DISCHARGE		NO DISCHARGE	mg/l				
11/1/01 through	h 11/30/01					DISCHARGE		DISCIDANCE PARTICIPATION					
Please see p	ermit, Part 1	I, Section A fo	or an explanation of the	limitations for t	his permit.	general grant and					1		
Total Suspende	ed Solids				n/a	<u></u>		NO	mg/l				
12/1/01 through						DISCHARGE		DISCHARGE	\$ \$2.00 \$2.0				
Please see p	ermit, Part 1	1, Section A f	or an explanation of the	limitations for t	this permit.	A CONTRACTOR OF STREET					120		
-													
Total Uranium					n/a	NU DISCHARGE		NU DISCHARGE	mg/l				
10/1/01 throug	h 10/31/01												
Please see p	ermit, Part	1, Section A f	or an explanation of the	limitations for	this permit.	######################################					d in en en in Niederlâld		
Total Uranium	(as U)				n/a	NO		NO	mg/i				
11/1/01 throug	h 11/30/01					DISCHARGE		DISCHARGE					
Please see p	permit, Part	1. Section A f	or an explanation of the	e limitations for	this permit.						l		
NAME/TITLE PRIN	ICIPL EXECUTI		ERTIFY UNDER PENALTY OF	LAW THAT I HAVE	PERSONALL	Y EXAMINED AN AM FAMILIA	R WITH THE		F PRINCIPAL EXECU		TELEPHONE		
1		RE	SPONSIBLE FOR OBTAINING	MATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY INSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCLIRATE					AUTHORIZED AGEN	307	307/358-3744		
AND C INCLU			CLUDING THE POSSIBILITY (D COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENA CLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 or these statutes may include fine up to \$10,000 an or maximum imprisonme			C. § 1319. (Penalties	Teasestantin		_	DATE		
R.P. Luk	ce/Presi	ldent "	ier mese statutes may include tine	up to \$10,000 an or m	onment of between 6 months and 5	years.)	Bill Fe	rdinand	(11/02/02			

Rio Algom Mining Corporation		NATIONAL PO	LLITANT DIS	CHARGE ELIMINATION SYST	EM (NDDES)					
PO Box 1390				ONITORING REPORT						
	PERM	IIT NUMBER	·	CHARGE NUMBER	NO DISCI	HARGE				
Glenrock WY 826371390	WY	0022411		001Q	XXXXX	XXX				
Bill Ferdinand		ſ	N	ONITORING PERIOD						
Bill Smith Uranium Mine		•	Fr	om 10/1/01 to 12/31/01						
S36,T36N,R74W	Quantity	Quantity or Loading Quality or Concentration								
PARAMETER	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE	
Total Uranium (as U)			n/a	DISCHARGE		NO DISCHARGE	mg/l			-
12/1/01 through 12/31/01						DESCIPACE				
Please see permit, Part 1, Section A for	an explanation of the	limitations for	this permit.					***************************************		
Total Zinc	Т		n/a	DISCHARGE		DISCHARGE	mg/l		1 7	_
10/1/01 through 12/31/01				DISCHARGE		DISCHARGE			1.	
Please see permit, Part 1, Section A for	an explanation of the	limitations for	this permit.			de la Principal de la Caractería de la C		Salar Sa	Actività di Malakaria di	

NAME/TITLE PRINCIPL EXECUTIVE OFFICER I CERTIFY UNDER PEN-

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER ON AUTHORIZED AGENT 307/358-3744

Bill Ferdinand 01/02/02

R.P. Luke/President

Rio Algom Minir	ng Corporat	tion				DISCHARGE ELIMINATION		•				
PO Box 1390			_			MONITORING REPO						
Classadi	WY	0060740	,,	PERMIT NUMBER		ISCHARGE NUMBER	₹	NO DISC				
Glenrock	VVT	8263713	ju [WY0022411		003Q						
Bill Ferdinand						MONITORING PERI	OD					
Bill Smith Urani	ium Mine					From 10/1/01 to 12/3	1/01					
S36,T36N,R74\	W		С	luantity or Loading			Qua	lity or Conce	entration			
PARAMETER			AVERAGE		UNITS	MINIMUM		AVERAGE	MAXIMUM	UNITS	FREQUENC	Y SAMPLE TYPE
Bicarbonate					n/a	1			NO DISCHARG	mg/l		
10/1/01 through	12/31/01								DISCHARGE CONTROL			
Please see pe	ermit, Part	1, Section A	for an explanatio	n of the limitations f	or this perm	nit.		Kaladaria (Kongreja a da a	all sections and the sections		the Shart Contract	Donal Science on the Condition ASS
Chlorides					n/a				NO DISCHARG	mg/l		
10/1/01 through	h 12/31/01					Mes a series of the series of			DISCHARG	15		
Please see po	ermit, Part	1, Section A	for an explanatio	n of the limitations t	for this perm	nit.						
Oil And Grease	e (Visual)				n/a				NO DISCHARG	E mg/l		
10/1/01 through	h 10/31/01								N.			
In the event t	hat an oil sl	heen or float	ing oil is observe	d in the discharge,	a grab samp	ole must be immediate	ely taker	n, analyzed a	and reported. S	ee permit.		-
Oil And Grease	e (Visual)				n/a				NO DISCHARG	mg/l		
11/1/01 throug	h 11/30/01							3007				
In the event t	that an oil s	heen or floa	ting oil is observe	d in the discharge,	a grab samp	ple must be immediate	ely taker	n, analyzed	and reported. S	ee permit.		
NAME/TITLE PRIN	ICIPL EXECUTI	IVE OFFICER	CERTIFY UNDER PEN	ALTY OF LAW THAT I H	AVE PERSONAL	LLY EXAMINED AN AM FA	MITARW	TH THE		OF PRINCIPAL E		TELEPHONE
		11	NFORMATION SUBMI	TTED HEREIN. AND BAS	SED ON MY INQ	QUIRY OF THOSE INDIVIDU TE THE SUBMITTED INFORM	ALS IMME	DIATELY		OR AUTHORIZED		07/358-3744
			AND COMPLETE. I AM	I AWARE THAT THERE A	RE SIGNIFICAN	NT PENALTIES FOR SUBMIT SEE 18 U.S.C. § 1001 AND 3	TTING FAL	SE INFORMAT	ION, Bien	tulen	me	DATE
R.P. Lu	ike/Pres		inder these statutes may i	nclude fine up to \$10,000 an	3.)	Bill Fe	erdinand		01/02/02			

Rio Algom Mini	ing Corpora	tion				CHARGE ELIMINATION SYSTE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
PO Box 1390			000	RMIT NUMBER		ONITORING REPORT (CHARGE NUMBER	NO DISCHA	PCE			
Glenrock	WY	8263713		/Y0022411		003Q	XXXX				
Bill Ferdinand				ļ	M	ONITORING PERIOD					
Bill Smith Uran	ium Mine				Fr	om 10/1/01 to 12/31/01					
S36,T36N,R74	W		Quant	ity or Loading			Quality or Concent	ration			
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS F	REQUENCY	SAMPLE TYPE
Oil And Grease	e (Visual)				n/a	T		NO DICQUARGE	mg/l		
12/1/01 throug	h 12/31/01							DISCHARGE			
In the event t	that an oil st	neen or float	ing oil is observed in t	he discharge, a g	rab sample	must be immediately ta	ken, analyzed and	reported. See	permit.	e i di di più di seri di	1600 x 1600 400 x 24
рН					n/a	NO			SU		
10/1/01 throug	th 12/31/01					DISCHARGE		DISCHARGE			
Please see p	permit, Part	1, Section A	for an explanation of	the limitations for	this permit,	Adda and a decide a constant de la c	in la bellik distanten errete ett	ing palaking a Black		54.5422 115 <u>5</u>	1
Selenium					n/a	NO DISCHARGE		NO DISCHARGE	mg/l		
10/1/01 throug	gh 12/31/01					DIDOMERCE		DISCIMICOS SE SE S			
Please see p	permit, Part	1, Section A	for an explanation of	the limitations for	this permit.		Anna de Carlo de Car				
Sodium					n/a			NO DISCHARGE	mg/l		
10/1/01 throug	gh 12/31/01										
Please see p	permit, Part	1, Section A	for an explanation of	the limitations for	r this permit	Marine Marine and Angle Service		Berdinausk (Ca. de. de. W.E.		Augustian (1994)	and the second s
NAME/TITLE PRI	NCIPL EXECUT					Y EXAMINED AN AM FAMILIA			F PRINCIPAL EXECUTION		TELEPHONE
			RESPONSIBLE FOR OBTAINT AND COMPLETE, I AM AWA	NG THE INFORMATIC RE THAT THERE ARE	ON, I BELIEVE T SIGNIFICANT	RY OF THOSE INDIVIDUALS II THE SUBMITTED INFORMATIO PENALTIES FOR SUBMITTING	ON IS TRUE, ACCURATI FALSE INFORMATION	E	TAUTHORIZED AGENT		7/358-3744 DATE
R.P. Lul	ke/Pres:	13	NCLUDING THE POSSIBILIT	'Y OF FINE AND IMPR	JSONMENT. SE	EE 18 U.S.C. § 1001 AND 33 U.S. comment of between 6 months and 5	C. § 1319. (Penalties	Bill Fer	dinand		01/02/02

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Rio Algom Minin PO Box 1390	g Corporat	tion						RGE ELIMINATION SY								
1 0 60% 1390				PER	RMIT NUMBER	JHARG		TORING REPOR	נו (ט ו	NO DISC	HADOL					
Glenrock	WY	8263713	90		VY0022411	1	D13011	003Q		XXXX						
Bill Ferdinand							MON	IITORING PERIO	<u>, </u>							
Bill Smith Uraniu	ım Mine					L		10/1/01 to 12/31/								
\$36,T36N,R74W			<u></u>													
	•			Quant	ity or Loading				Qu	ality or Conce	ntration					
PARAMETER			AVERA	GE	MAXIMUM	UNIT	'S	MINIMUM		AVERAGE	MAXIMUM	UNITS	FREQU	ENCY	SAMPLE TYPE	
Total Arsenic						n/a	3				NO DISCHARGE	ug/l				ī
10/1/01 through	12/31/01		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			77.78 N. 438					DISCHARGE		100 H	/5g (24)		
Diagram	mark David	0 " 1	\$344.50 h				[Cay 7		and the second of the second	
	rmit, Part 1	Section A	for an explana	tion of t	he limitations for	this per	mit. — — —									
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Total Flow			NC		NO	MG			·			T 5/2				 1
11/1/01 through	11/30/01		DISCHA	RGE	DISCHARGE	7.00			12 22 22	ranskir kviliti i kon so a	So with the second of the second second of the second	n/a				ŀ
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NAME/TITLE PRINCI	PL EXECUTIV	Æ OFFICER T	PERTIEV LIMINER R	ENAITY (OF LAW TUAT HAV	C DED COM	477777	11 mm 121 121 mm			SIGNATURE OF	PRINCIPALE	/COTTON C		TELEPHONE	
		I R	ESPONSIBLE FOR	OBTAININ	LEREIN. AND BASED NG THE INFORMATIO	ONMYD	VQUIRY OF	AMINED AN AM FAMII F THOSE INDIVIDUALS	MMI	EDIATELY	OFICER OR	AUTHORIZED		207		
		n	ICLUDING THE PO	AM AWAK SSIBILITY	CE THAT THERE ARE	SIGNIFIC.	I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURAT ENIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION NMENT SEE IS U.S. C. 8, 1001, AND 23, U.S. C. 8, 1210, (Parties)					mel	30//	358-3744 DATE		
R.P. Luke	dent	der these statutes ma	IG THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penaltics starties may include fine up to \$10,000 an or maximum imprisonment of between 6 months and 5 years.)						Bill Ferdinand 01/02/02							