

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 0140 Return Receipt Requested

August 29, 2001

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, January 1-June 30, 2001

Dear Mr. Leach:

Please find attached the Semi-Annual Effluent Monitoring Report for January 1, 2001 through June 30, 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.

Singerely,

ීohn W. Cash

Manager EHS & Regulatory Affairs

Cc:

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

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

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

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

Certified Mail-7099 3220 0002 1633 0157

J. Lusher-w/attachments (NRC)

USNRC Region IV-w/attachments (Arlington)

Certified Mail-7099 3220 0002 1633 0164

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# RIO ALGOM MINING CORP. SEMI-ANNUAL EFFLUENT MONITORING REPORT SMITH RANCH FACILITY JANUARY 1 THROUGH JUNE 30, 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 JANUARY 1 THROUGH JUNE 30, 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, Pipeline Pressures, and Injection Manifold</u>
Pressures

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

# **Injection Rates**

(average gallons per minute)

MONTH	WF#1 IC FLOW	WF#3 IC FLOW	WF#4 IC FLOW	WF#4A IC FLOW
JAN.	879.49	1698.32	1943.00	0.00
FEB.	903.24	1701.84	1542.29	490.03
MAR.	621.88	1692.34	1343.05	474.94
APR.	754.78	1501.12	1630.06	576.43
MAY	748.87	1570.20	2240.73	560.49
JUN.	706.53	1599.73	2406.39	1014.71

#### **Pipeline Pressures**

(pounds per square inch)

MONTH	CPP PC PRESSURE	CPP IC PRESSURE	SAT PC PRESSURE	SAT IC PRESSURE
JAN.	65	159	74	130
FEB.	54	145	84	130
MAR.	64	144	90	125
APR.	67	151	59	93
MAY	92	158	79	115
JUN.	103	152	81	113

# **Injection Manifold Pressures**

(pounds per square inch)

MONTH	WF#1 INJECTION PRESSURE	WF#3 INJECTION PRESSURE	WF#4 INJECTION PRESSURE	WF#4A INJECTION PRESSURE
JAN.	102	101	130	N/A
FEB.	95	119	120	109
MAR.	92	123	114	133
APR.	80	97	117	135
MAY	102	121	119	134
JUN.	94	122	102	107

<sup>\*</sup>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**

		1 <sup>ST</sup> QUARTER			2 <sup>ND</sup> QUARTER		
PARAMETER	CONC. ( <sub>µ</sub> Ci/ml)	LLD ( <sub>µ</sub> Ci/ml)	ERROR ESTIMATE (µCi/ml)	CONC. ( <sub>µ</sub> Ci/ml)	LLD ( <sub>µ</sub> Ci/ml)	ERROR ESTIMATE (µCi/ml)	
U <sub>NAT</sub>	1.53E-15	1.00E-16	N/A	1.76E-15	1.00E-16	N/A	
Th-230	1.81E-16	1.00E-16	0.00E+0	1.05E-15	1.00E-16	4.87E-16	
Ra-226	7.23E-16	1.00E-16	2.71E-16	6.49E-15	1.00E-16	5.68E-16	
Pb-210	1.02E-12	2.00E-15	4.29E-14	3.71E-13	2.00E-15	9.33E-15	

<sup>(1)</sup> Samples collected monthly and composited quarterly.

#### **Dave's Water Well**

		1 <sup>ST</sup> QUARTER			2 <sup>ND</sup> QUARTER	
PARAMETER	CONC. ( <sub>µ</sub> Ci/ml)	LLD ( <sub>µ</sub> Ci/ml)	ERROR ESTIMATE (µCi/ml)	CONC. ( <sub>µ</sub> Ci/ml)	LLD ( <sub>µ</sub> Ci/ml)	ERROR ESTIMATE
U <sub>NAT</sub>	1.54E-15	1.00E-16	N/A	1.19E-15	1.00E-16	( <sub>μ</sub> Ci/ml) N/A
Th-230	3.02E-16	1.00E-16	0.00E+0	1.85E-16	1.00E-16	0.00E+0
Ra-226	1.06E-15	1.00E-16	4.54E-16	3.61E-15	1.00E-16	4.63E-16
Pb-210	7.67E-13	2.00E-15	5.11E-14	3.32E-13	2.00E-15	9.73E-15

<sup>\*</sup>Dave's Water Well is the upwind or background monitoring location. The elevated Pb-210 values are likely caused by a nearby coal-fired power plant as well as an active strip coal mine.

#### **Fence Line**

	1 <sup>ST</sup> QUARTER			2 <sup>ND</sup> QUARTER		
PARAMETER	CONC. ( <sub>µ</sub> Ci/ml)	LLD ( <sub>µ</sub> Ci/ml)	ERROR ESTIMATE (µCi/ml)	CONC. ( <sub>µ</sub> Ci/ml)	LLD ( <sub>µ</sub> Ci/ml)	ERROR ESTIMATE (µCi/ml)
U <sub>NAT</sub>	9.02E-15	1.00E-16	N/A	2.09E-14	1.00E-16	N/A
Th-230	1.67E-16	1.00E-16	0.00E+0	1.50E-15	1.00E-16	6.66E-16
Ra-226	1.42E-15	1.00E-16	3.33E-16	6.49E-15	1.00E-16	5.83E-16
Pb-210	5.89E-13	2.00E-15	3.23E-14	3.51E-13	2.00E-15	9.24E-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<sup>(2)</sup>

	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter
Parameter	Conc. (µCi/ml)	Conc. (µCi/ml)
Radon	9.0E-10	10.0E-10

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

# **Dave's Water Well**

	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter
Parameter	Conc. ( <sub>µ</sub> Ci/ml)	Conc. ( <sub>µ</sub> Ci/ml)
Radon	8.0E-10	14.0E-10

#### **Fence Line**

	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter
Parameter	Conc. ( <sub>µ</sub> Ci/ml)	Conc. ( <sub>µ</sub> Ci/ml)
Radon	12.0E-10	15.0E-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**

	1 <sup>st</sup> Quarter		2 <sup>nd</sup> Q	uarter
Location	Unat ( <sub>µ</sub> Ci/ml)	Ra-226 ( <sub>µ</sub> Ci/ml)	Unat ( <sub>µ</sub> Ci/ml)	Ra-226 ( <sub>µ</sub> Ci/ml)
Vollman Pond	2.71E-10	<2.0E-10	3.39E-10	2.9E-9
Smith Pond	1.02E-9	<2.0E-10	NO WATER	NO WATER
Smith's Windmill #1	2.84E-8	1.70E-9	3.05E-9	2.10E-9
Smith's Windmill #2	2.71E-8	3.30E-9	5.48E-9	6.0E-10
Solar Pump	NO WATER	NO WATER	5.42E-10	9.0E10

#### 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 1<sup>st</sup> and 2<sup>nd</sup> 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

	1 <sup>st</sup> Qtr.		2 <sup>nd</sup> 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 will be taken during the second half of the calendar year with the results presented in the July 1 through December 31 Semi-Annual Effluent Report.

#### Soil Sample Result

Location	U <sub>nat</sub> pCi/g	Ra <sub>226</sub> pCi/g	Pb <sub>210</sub> pCi/g
Downwind of Air Sampling	NA	NA	NA
Station			

#### V. Vegetation

Vegetation sampling is performed annually at the downwind air sampling station. The sampling will be performed during the second half of the calendar year with the results reported in the July 1 through December 31, 2001 Semi-Annual Effluent Report.

# **Vegetation Sample Result**

Location	U <sub>µ</sub> Ci/Kg	Ra <sub>226µ</sub> Ci/Kg	Th <sub>230µ</sub> Ci/Kg	
Downwind of Air Sampling	NA	NA	NA	NA
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	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter
Vollman Ranch	16.6	15.2
Fence Line	20.6	17.8
Dave's Water Well	15.4	14.3
Wellfield #1	18.2	17.4
Wellfield #3	16.6	16.5
Wellfield #4	18.6	16.5
Wellfield #4A	17.4	13.9
Pond	19.0	18.2

<sup>\*</sup>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 1<sup>st</sup> and 2<sup>nd</sup> quarter are presented in the table below.

# Deferred Production Status Direct Radiation Measurements

Location	1 <sup>st</sup> Quarter ( <sub>µ</sub> R/Hr)	2 <sup>nd</sup> Quarter ( <sub>µ</sub> R/Hr)
Downwind of Radon Sampling Location	27	24
Upwind of Process Plant	18	18
Process Leach Tank	29	32
Evaporation Ponds	27	45

# **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

April 20, 2001

Certified Mail - 7099 3220 0002 1632 0141 Return Receipt Requested

Mr. Chris Abernathy
Department of Environmental Quality
Water Quality Division
Herschler Building
122 West 25<sup>th</sup> street
Cheyenne, WY 82002

RE: 1<sup>st</sup> 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 first 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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) PERMITTEE NAME (ADDRESS (Include
Facility Name/Location if different)
NAME RIO ALGOM MINING CORPORATION Form Approved (2-16) OMB No. 2040-128345 (SUBR 04) 001 Q WY0022411 ADDRESSP O BOX 1390 DISCHARGE NUMBER Expires 9-30-91 PERMIT NUMBER F - FINAL WY 82637-1390 GLENROCK MINOR MONITORING PERIOD 7EAR MO DAY 2001 01 YEAR MO FACILITY Smith Ranch \*\*\* NO DISCHARGE |XX | \*\*\* то -31 03 7001 LOCATION 762 Ross Road, Douglas, WY 82633 NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) ATTN: ROBERKEXEXXXELAXXESTERME Bill Ferdinand QUALITY OR CONCENTRATION FREQUENCY (3 Card Only) QUANTITY OR LOADING (4 Card Only) (46-53) OF ANALYSIS (46-53) PARAMETER UNITS (69-70 AVERAGE MUMIXAM (62-63) (64-68) UNITS MINIMUM MAXIMUM AVERAGE (32-37) NO (12)NO \*\*\*\* \*\*\*\*\* \*\*\*\*\* PH SAMPLE MEASUREMENT DISCHARGE DISCHARGE QTRLY GRAB 9.0 \*\*\*\*\* 6.0 \*\*\*\*\* \*\*\*\*\* \*\*\*\* PERMIT REQUIREMENT 00400 1 0 0 SU MIMIXAM MINIMUM \*\*\*\* EFFLUENT GROSS VALUE (19)NO \*\*\*\*\* \*\*\*\*\* ZINC, TOTAL DISCHARGE DISCHARGE (AS ZN) QTRLY GRAB 1.0 REPORT 0.5 \*\*\*\*\* PERMIT REQUIREMENT \*\*\*\*\* 01092 1 0 0 DAILY MX MG/L MX MO AV MX WK AV \*\*\*\* EFFLUENT GROSS VALUE NO .NO (19)\*\*\*\* \*\*\*\*\* SELENIUM, TOTAL SAMPLE MEASUREMENT DISCHARGE DISCHARGE DISCHARGE (AS SE) QTRLY GRAB 0.10 REPORT \*\*\*\*\* \*\*\*\* 0.05 \*\*\*\*\* 01147 1 0 0 MX WK AV DAILY MX MG/L MX MO AV \*\*\*\* EFFLUENT GROSS VALU SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND 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.SC. \$ 100.1 AND 33 U.S. C. \$ 1319. (Penalties under these statutes may include fines up to \$10.0MH and or maximum imprisionment of between 6 months and 5 years.) TELEPHONE DATE NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Bill Ferdinand 358-3744 01 04 307 SIGNATURE OF PRINCIPAL EXECUTIVE R.P. Luke - President YEAR MO OFFICER OR AUTHORIZED AGENT NUMBER TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.) EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. 00083/960125-1141

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) Form Approved MAME RIO ALGOM MINING CORPORATION (2-16)OMB No. 2040-18345 (SUBR 04) 003\_Q WY0022411 ADDRESS P O BOX 1390 Expires 9-30-91 DISCHARGE NUMBER F - FINAL PERMIT NUMBER WY 82637-1390 \_\_GLENROCK\_ MINOR MONITORING PERIOD FACILITY Smith Ranch MO DAY YEAR 01 01 00001 \*\*\* NO DISCHARGE XXX; \*\*\* 03 - 31 20 01 NOTE: Read instructions before completing this form. LOCATION 762 Ross Road Douglas WY 82633 (26-27) (28-29) (30-31) (20-21) (22-23) (24-25) QUALITY OR CONCENTRATION (4 Card Only) FREQUENCY SAMPLE TYPE (3 Card Only) QUANTITY OR LOADING (38-45)(46-53)ANALYSIS (54-61) (46-53) PARAMETER MAXIMUM UNITS (69-70) AVERAGE (64-68) 62-63) MINIMUM UNITS MAXIMUM (32-37)NO (12)\*\*\*\*\* NO \*\*\*\*\* \*\*\*\*\* PH SAMPLE MEASUREMENT DISCHARGE DISCHARGE GRAB QTRLY 9.0 \*\*\*\*\* \*\*\*\* 6.0 \*\*\*\*\* \*\*\*\*\* 00400 1 0 0 PERMIT REQUIREMENT SU MAXIMUM MINIMUM \*\*\*\* EFFLUENT GROSS VALUE (19)NO NO \*\*\*\*\* \*\*\*\*\* BICARBONATE ION-DISCHARGE DISCHARGE DISCHARGE (AS HCO3) GRAB QTRLY 4500 REPORT \*\*\*\*\* \*\*\*\* REPORT PERMIT REQUIREMENT \*\*\*\*\* 00440 1 0 DAILY MX MG/L MX WK AV MX MO AV \*\*\*\* EFFLUENT GROSS VALUE DISCHARGE (19)\*\*\*\* \*\*\*\* \*\*\*\*\* \*\*\*\*\* SAMPLE MEASUREMENT OIL AND GREASE FREON EXTR-GRAV METH CONTINVISUA 10 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\* \*\*\*\*\* PERMIT REQUIREMENT 1 0 0 00556 MG/L UOUS | DAILY MX \*\*\*\* EFFLUENT GROSS VALUE (19)NO NO NO \*\*\*\*\* \*\*\*\*\* SODIUM, TOTAL SAMPLE MEASUREMENT DISCHARGE DISCHARGE DISCHARGE QTRLY GRAB (AS NA) 1500 REPORT REPORT \*\*\*\*\* \*\*\*\* \*\*\*\*\* 1 0 0 PERMIT REQUIREMENT DAILY MX MX WK AV MG/LMX MO AV \*\*\*\* EFFLUENT GROSS VALUE NO (19)NO NO \*\*\*\*\* \*\*\*\* CHLORIDE SAMPLE MEASUREMENT DISCHARGE DISCHARGE DISCHARGE (AS CL) QTRLY GRAB 750 REPORT REPORT \*\*\*\*\* \*\*\*\*\* 1 0 0 00940 PERMIT REQUIREMENT DAILY MX MG/L MX WK AV MX MO AV \*\*\* EFFLUENT GROSS VALUE (19)NO NO NO \*\*\*\*\* \*\*\*\*\* ARSENIC, TOTAL DISCHARGE DISCHARGE DISCHARGE (AS AS) QTRLY GRAB REPORT REPORT \*\*\*\*\* \*\*\*\* REPORT \*\*\*\*\* 01002 1 0 0 PERMIT REQUIREMENT DAILY MX MG/L MX WK AV MX MO AV \*\*\* EFFLUENT GROSS VALUE NΟ (19)NO NO \*\*\*\*\* \*\*\*\*\* SELENIUM, TOTAL DISCHARGE SAMPLE DISCHARGE DISCHARGE (AS SE) QTRLY GRAB REPORT REPORT REPORT \*\*\*\*\* \*\*\*\* 1 0 0 \*\*\*\*\* PERMIT REQUIREMENT 01147 DAILY MX MG/L VA OM XM MX WK AV \*\*\*\* EFFLUENT GROSS VALUE I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND 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.SC. \$ 1001 AND 33 U.S.C. \$ 1319. (Penaltics under these statutes may include fires up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) DATE TELEPHONE NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Bire te

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER.

R.P. Luke - President

TYPED OR PRINTED

Bill Ferdinand

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

307 358-3744

NUMBER

04

MO

 $\Box$ T

YEAR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) Form Approved (17-19)NAME RIO ALGOM MINING CORPORATION (2-16) OMB No. 2040-198345 (SUBR 04) WY0022411 003 Q ADDRESS D O BOX 1390 DISCHARGE NUMBER PERMIT NUMBER Expires 9-30-91 F - FINAL WY 82637-1390 \_GLENROCK MINOR MONITORING PERIOD FACILITY Smith Ranch YEAR MO DAY \*\*\* NO DISCHARGE | XX | \*\*\*
NOTE: Read instructions before completing this form. DAY 70 2001 03 31 (26-27) (28-29) (30-31) LOCATION 762 Ross Road, Douglas, WY 82633 FROM 2001 01 01 (20-21) (22-23) (24-25) QUALITY OR CONCENTRATION (3 Card Only) QUANTITY OR LOADING (4 Card Only) FREQUENCY NO. EX (38-45)(46-53)OF ANALYSIS (54-61) (46-53) PARAMETER MAXIMUM UNITS (64-68) AVERAGE (69-70) (32-37) MAXIMUM UNITS MINIMUM (62-63 AVERAGE \*\*\*\* \*\*\*\*\* \*\*\*\*\* (03)NO FLOW, IN CONDUIT OR NO DISCHARGE THRU TREATMENT PLANT DISCHARGE CONTINECTAL \*\*\*\*\* \*\*\* \*\*\*\*\* \*\*\*\*\* REPORT REPORT 50050 1 0 0 PERMIT REQUIREMENT LUOUS \*\*\*\* DAILY MX MGD <u>MX MO AV</u> EFFLUENT GROSS VALUE PERMIT REQUIREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND 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.SC. § 1001 AND 33 U.SC. § 1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) DATE TELEPHONE NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Bill Ferdinand 358-3744 01 04 307 SIGNATURE OF PRINCIPAL EXECUTIVE R.P. Luke - President MO D. NUMBER OFFICER OR AUTHORIZED AGENT CODE TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.) EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. 2 00042/960202-1712



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July 11, 2001

Mr. Chris Abernathy Department of Environmental Quality Water Quality Division Herschler Building, 4 West 122 West 25<sup>th</sup> Street Cheyenne, WY 82002

RE: 2<sup>nd</sup> 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 second 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 Mini	ing Corpora	tion		NATIONAL D	N. I. Elmann Dio	CILL DOD DU DANIA MANAGEMENT				
PO Box 1390	0 1					CHARGE ELIMINATION SYSTE ONITORING REPORT (I				
			PER	MIT NUMBER	~ <del></del>	CHARGE NUMBER	NO DISCH	ARGE		
Glenrock	WY	82637139	90 M	Y0022411		001Q	XXXXX	XX		
Bill Ferdinand					N	ONITORING PERIOD				
Bill Smith Uran	ium Mine				F	From 4/1/01 to 6/30/01				
S36,T36N,R74	W		Quantit	y or Loading			uality or Concen	trotion		
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS FREQU	JENCY SAMPLE TYPE
Dissolved Radi	ium 226				n/a	No		No No	mg/l	
4/1/01 through	4/30/01		T/A	nye		Discharge 30 Monthly Average		Discharge 10.0 Daily Ma		thly Grab
Please see p	ermit, Part	1, Section A	for an explanation of th	e limitations for	this permit.					
Dissolved Radi	ium 226			· · · · · · · · · · · · · · · · · · ·	n/a	No		No Discharge	mg/l	
5/1/01 through	5/31/01		n/a	n/a		Discharge 3:0 Monthly Average	n/a :	10.0 Daily Ma	1	nthiy ( Grab
Please see p	permit, Part	1, Section A	for an explanation of th	e limitations for	this permit.					
Dissolved Rad	lium 226			<del></del>	n/a	No Discharge		No Discharge	mg/l	
6/1/01 through	6/30/01		n/a : s	n/a.		——————————————————————————————————————	r/a	10.0 Daily Ma		ithly Grab
Please see p	permit, Part	1, Section A	for an explanation of the	ne limitations for	this permit.					
Oil And Greas	e (Visual)				n/a			No Discharge	mg/l	
4/1/01 through	4/30/01		ηla	e nja		nla	rva	210 Daliy Max		ally Visible Sheen
In the event	that an oil s	heen or float	ing oil is observed in th	e discharge, a	grab sample	must be immediately ta	ken, analyzed ar	d reported. Se		300000 VI OO 180000
NAME TITLE PRIN	NCIPL EXECUTI	i	CERTIFY UNDER PENALTY (	OF LAW THAT I HAV	E PERSONALLY	Y EXAMINED AN AM FAMILIAI RY OF THOSE INDIVIDUALS IM	R WITH THE	SIGNATURE O	OF PRINCIPAL EXECUTIVE RAUTHORIZED AGENT	TELEPHONE
		R	ESPONSIBLE FOR OBTAININ ND COMPLETE. I AM AWAR	G THE INFORMATIO E THAT THERE ARE	N, I BELIEVE T SIGNIFICANT 1	HE SUBMITTED INFORMATION PENALTIES FOR SUBMITTING I	I IS TRUE, ACCURAT	E -/	terde -	307/358-3744 DATE
R.P. Lu	ike/Pres		NULUDING THE POSSIBILITY nder these statutes may include fire	OF FINE AND IMPR ue up to \$10,000 an or	ISONMENT. SE maximum impriso	E 18 U.S.C. § 1001 AND 33 U.S.Comment of between 6 months and 5	. § 1319. (Penalties years.)		erdinand	07/11/01
								· · · · · · · · · · · · · · · · · · ·		Page 1 of 5

Rio Algom Mining Corporation	NATIONAL	POLLITANT DISC	WARCE ELIMINATION CHO	TI CAIDDES			
PO Box 1390			HARGE ELIMINATION SYST DNITORING REPORT				
	PERMIT NUMBER		CHARGE NUMBER	NO DISCHA	ARGE		
Glenrock WY 826371390	WY0022411		001Q	XXXXXX	XX		
Bill Ferdinand		Me	ONITORING PERIOD				
Bill Smith Uranium Mine		F	rom 4/1/01 to 6/30/01				
S36,T36N,R74W	Quantity or Loading			Quality or Concent	ration		
PARAMETER	AVERAGE MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS FREQU	TENCY SAMPLE TYPE
Oil And Grease (Visual)		n/a			No	mg/l	
5/1/01 through 5/31/01	i vin/a ji in/a '	\$ 1 m	tira .	n/ā	Discharge 40 Dally Max		liy: Visible Sheen
In the event that an oil sheen or floating	g oil is observed in the discharge, a	grab sample n	nust be immediately ta	ken, analyzed and	reported. See	permit.	
Oil And Grease (Visual)		n/a			No	mg/l	
6/1/01 through 6/30/01	n/a n/a		n/a	14	Discharge 10 Daily Max		ily Visible Sheen
In the event that an oil sheen or floatin	g oil is observed in the discharge,	a grab sample r	nust be immediately ta	ken, analyzed and	reported. See	permit.	
рН		n/a	No Discharge		No Discharge	SU	
4/1/01 through 6/30/01	n/a		6.0 Minimum		9.0 Maximum		terly Grab
Please see permit, Part 1, Section A fo	or an explanation of the limitations	for this permit.			<u></u>	<del></del>	
Selenium		n/a	No Diaghanas		No Discharge	mg/l	
4/1/01 through 6/30/01	n/a n/a		Discharge 0.05 Monthly Average	. Ma	0.10 Daily Max		ferly Grab
Please see permit, Part 1, Section A fo	or an explanation of the limitations	for this permit.				Limite in the second	ada marini kara kara kara kara kara kara kara kar
NAME/TITLE PRINCIPL EXECUTIVE OFFICER   I CE	ERTIFY UNDER PENALTY OF LAW THAT I H	AVE PERSONALLY	EXAMINED AN AM FAMILIA	R WITH THE	SIGNATURE O	F PRINCIPAL EXECUTIVE AUTHORIZED AGENT	TELEPHONE
INF	ORMATION SUBMITTED HEREIN. AND BAS SPONSIBLE FOR OBTAINING THE INFORMAT	ED ON MY INQUIR' NON, I BELIEVE TH	Y OF THOSE INDIVIDUALS I E SUBMITTED INFORMATIC	MMEDIATELY N IS TRUE, ACCURATE	0//	7	307/358-3744
INC	D COMPLETE. I AM AWARE THAT THERE A CLUDING THE POSSIBILITY OF FINE AND IM ler these statutes may include fine up to \$10,000 an	PRISONMENT. SEE	18 U.S.C. § 1001 AND 33 U.S.	C. § 1319. (Penalties	THULSE		DATE
R.P. Luke/President	and a pro-service and a pro-se	4. maximum miprison	and a october o months and a	j.cu.s.j	RITT Le	erdinand	07/11/01
							Page 2 of 5

T. C.

Rio Algom Min	sing Corporat	ion									
PO Box 1390	ing Corporat	1011				HARGE ELIMINATION SYST					
PO Box 1390						NITORING REPORT					
Glenrock	WY	82637139	<u> </u>	MIT NUMBER	DISC	CHARGE NUMBER	NO DISCI				
Cicinock	V V 1	0203/139	<u></u>	Y0022411		001Q	XXXX	XXXX			
Bill Ferdinand					M	ONITORING PERIOD					
Bill Smith Uran	nium Mine			-	Fi	rom 4/1/01 to 6/30/01					
S36,T36N,R74	<b>4</b> ₩										
				y or Loading		<del></del>	Quality or Conce	entration			
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Total Flow			No	No No	MGD				n/a		
4/1/01 through	4/30/01		Discharge Report	Discharge Report	<u> </u>		n/a:	ń/a		Gastle Co.	The state of the s
•			, vapor	(CPO)		n/a	<b>.</b>	u u		Continuous	Daily Total
Please see p	permit, Part 1	, Section A fo	or an explanation of th	e limitations for t	this permit.						
Total Flow			No Discharge	No Discharge	MGD				n/a		
5/1/01 through	5/31/01		Report	Report		n/a -	n/a	n/a		Continuous	Daily Total
								<u> Primara di                                  </u>			4
Please see p	permit, Part 1	, Section A f	or an explanation of th	e limitations for t	this permit.						
T-1-1 F1			No	No					<del></del>		
Total Flow			Discharge	Discharge	MGD				n/a		
6/1/01 through	n 6/30/01		Report	Report;		104	ii), n/a ; ; ; ;	n/a. 22		Continuous	Daily Total
Please see r	nermit Part 1	Section A f	or an explanation of th	e limitations for	this permit				90		31 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
					— — — —						
Total Suspend	ded Solids				n/a	No	No	T No	mg/l		
4/1/01 through					No.		Discharge	Discharge			
			n/a	h/a		20 Monthly Average	n/a	30 Dally Max		Weekly	Grab (
Please see p	permit, Part 1	I, Section A f	or an explanation of th	e limitations for	this permit.						
NAME/TITLE PRIN	NCIPL EXECUTIV		ERTIFY UNDER PENALTY O	F LAW THAT I HAVE	PERSONALLY	EXAMINED AN AM FAMILIA	R WITH THE	SIGNATURE O	F PRINCIPAL EX	ECUTIVE AGENT	TELEPHONE
		( RE	SPONSIBLE FOR OBTAINING	THE INFORMATION	L I BELIEVE TH	Y OF THOSE INDIVIDUALS IN E SUBMITTED INFORMATION	N IS TRUE ACCURA	TE /	, , , , , , , , , , , , , , , , , , , ,		7/358-3744
		IN	CLUDING THE POSSIBILITY	OF FINE AND IMPRIS	SONMENT, SEE	18 U.S.C. § 1001 AND 33 U.S.C	FALSE INFORMATION. § 1319. (Penalties	DN. Bill-	terden	in l	DATE
R.P. Lul	ke/Presi	dent 🖂	.e. mese statutes may include fir	~ ~ h to ≥ 10,000 an or m	anum unprison	ment of between 6 months and 5	years.)	. D. 1.1 T	1 1 4	,	37/11/01

R.P. Luke/President

07/11/01

Bill Ferdinand

- O BOX 1390					DISC	CHARGE MC	ONITORING REPORT (1	DMR)					
				PERMIT	NUMBER	DISC	CHARGE NUMBER	NO DISCH	IARGE				
Glenrock	WY	8263713	90	WYO	022411		001Q	XXXXX	XXX				
Bill Ferdinand			•			Me	ONITORING PERIOD						
Bill Smith Uranio	um Mine					Fı	rom 4/1/01 to 6/30/01						
S36,T36N,R74V	٧			Quantity or	Loading		0	tuality or Concer	atration				
PARAMETER			AVERA	<del></del>	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE	
Total Suspende	d Solids					n/a	No Dia l		No	mg/l			
5/1/01 through 5	5/31/01		rV:		n/a/		Discharge 20 Monthly Average	'n/a>,	Discharge 30 Daily Max		Weekly	Grab	
Please see pe	ermit, Part	1, Section A	for an explana	ion of the lir	nitations for	this permit.	Production of the second secon						
Total Suspende	d Solids					n/a	No Discharge		No Discharge	mg/l	<del> </del>		ĺ
6/1/01 through 6	6/30/01		្រូក(ខ		. Na		20 Monthly	n/a v	30 Daily Max		Weekly	Grab	
Please see pe	ermit, Part	1, Section A	for an explana	ion of the li	mitations for	this permit.					(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Total Uranium (	as U)					n/a	No Discharge		No Discharge	mg/l			
4/1/01 through 4	4/30/01		n/a		n/a		2.0 Monthly Average	n/a	4.0 Daily Max		Monthly	Grab	
Please see pe	ermit, Part	1, Section A	for an explana	tion of the li	mitations for	this permit.							
Total Uranium (	as U)					n/a	No Discharge		No Discharg	mg/l			
5/1/01 through (	5/31/01		- n/a		n/a 7.		.2.0 Monthly	па	4.0 Daily Max		Monthly	Grab	
Please see pe	ermit, Part	1, Section A	for an explana	tion of the li	mitations for	this permit.							
NAME/TITLE PRINC	OPL EXECUT	IVE OFFICER .	CERTIFY UNDER P	ENALTY OF LA	W THAT I HAV	E PERSONALI V	EXAMINED AN AM FAMILIAR	NITH THE		F PRINCIPAL EX		TELEPHONE	
		1	NFORMATION SUB	MITTED HERE!	N. AND BASED	ON MY INOUIR	Y OF THOSE INDIVIDUALS IM IE SUBMITTED INFORMATION	MEDIATELY		RAUTHORIZED		/358-3744	
		: /	AND COMPLETE. 1.	M AWARE TH	AT THERE ARE	SIGNIFICANT PI	ENALTIES FOR SUBMITTING F E 18 U.S.C. § 1001 AND 33 U.S.C.	FALSE INFORMATIO	N, 0	1/	- A ——	DATE	
R.P. Luke	/Presi		inder these statutes me	y include fine up	to \$10,000 an or	maximum imprisor	ament of between 6 months and 5 y	years.)	Bill F	erdinand	0	7/11/01	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Rio Algom Mining Corporation

R.P. Luke/President

Page 4 of 5

07/11/01

Bill Ferdinand

Rio Algom Mini	ing Corpora	tion		NATIONAL DO	N. I. LITANT DI	POUL DOE EL TRANSACTION CHAR		· · · · · · · · · · · · · · · · · · ·			
PO Box 1390						SCHARGE ELIMINATION SYST NONITORING REPORT					
			PER	MIT NUMBER		CHARGE NUMBER	NO DISC	HARGE			
Glenrock	WY	826371390	W	Y0022411		001Q	XXXX	XXXX			
Bill Ferdinand					[ <del></del>	MONITORING PERIOD					
Bill Smith Urani	ium Mine			,	<u> </u>	From 4/1/01 to 6/30/01					
S36,T36N,R74	W		Quanti	ty or Loading			Quality or Conce	entration			
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Total Uranium (	(as U)				n/a	No	**************************************	No Discharge	mg/l		
6/1/01 through	6/30/01		n/a.	, n/a		Discharge 2.0 Monthly Average	na .	4.0 Daily Max		Monthly	Grab
Please see pe	ermit, Part 1	I, Section A for	an explanation of th	ne limitations for	this permit						
Total Zinc					n/a	No		No No	mg/l		
4/1/01 through	6/30/01		n/a	n/e		Discharge 0.5Monthly Average	n/a	Discharge 10 Dawy Max		- Quarterly	Grab
Please see pe	ermit, Part 1	I, Section A for	an explanation of the	ne limitations for	this permit						
			<del></del>							<del></del>	

NAME-TITLE PRINCIPL EXECUTIVE OFFICER
I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AN AM FAMILIAR WITH THE
NFORMATION 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 SUBMITTION FALSE INFORMATION,
INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties

R.P. Luke/President

SIGNATURE OF PRINCIPAL EXECUTIVE
OFICER OR ADTHORIZED AGENT

307/358-3744

Bill Ferdinand

07/11/01

KIO Algom IVIINI	ing Corporati	ion		NATIONAL PO	DLLUTANT DISC	CHARGE ELIMINATION S	YSTEM (NPDES)				
PO Box 1390			,			DNITORING REPOR	_ '				
			<del> </del>	MIT NUMBER	DISC	CHARGE NUMBER					
Glenrock	WY	8263713	90 <u>W</u>	Y0022411		003Q	XXXXX	X			
Bill Ferdinand					M	ONITORING PERIO	OD				
Bill Smith Uran	nium Mine				F	rom 4/1/01 to 6/30/0	)1				
S36,T36N,R74	W		Quanti	ty or Loading			Quality or Concent	ration	!		
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Bicarbonate					n/a			No	mg/l		
4/1/01 through	6/30/01		n/a	n/a		n/ā/	n/a	Discharg 4500 Dally Ma		Quarterly	Grab
Please see p	ermit, Part 1	, Section A	for an explanation of the	ne limitations for	this permit.						
Chlorides					n/a			No	mg/l		
4/1/01 through	6/30/01		n/a	n/a s		n/a	n/a	Discharg 750 Daily Ma		Quarterly	Grab
Please see p	permit, Part 1	, Section A	for an explanation of the	ne limitations for	this permit.						
Oil And Grease	e (Visual)				n/a			No Discharg	mg/l		<u> </u>
4/1/01 through	4/30/01		n/a.	n/a		n/a	n/a	110		Daily	Visible Sheen
In the event t	that an oil sh	een or float	ting oil is observed in th	ne discharge, a g	grab sample	must be immediatel	y taken, analyzed and	reported. Se	e permit.		
Oil And Grease	e (Visual)				n/a			No Discharg	mg/l		
5/1/01 through	5/31/01		nia	n/a		n/a	n/a	10		Daily	Visible Shean
In the event	that an oil sh	een or floa	ting oil is observed in th	ne discharge, a g	grab sample	must be immediatel	y taken, analyzed and	d reported. Se	e permit.		302 ST. 10 - 12 Levelous
NAME/TITLE PRIN	NCIPL EXECUTIV		CERTIFY UNDER PENALTY (					SIGNATURE	OF PRINCIPAL EXECU B AUTHORIZED AGEN	TIVE	TELEPHONE
		1	NFORMATION SUBMITTED H RESPONSIBLE FOR OBTAININ AND COMPLETE, I AM AWAR	G THE INFORMATIC	N, I BELIEVE TH	E SUBMITTED INFORMA	TION IS TRUE, ACCURATE		A A A A A A A A A A A A A A A A A A A	307	/358-3744
D D T	- / Dec = = !	1	NCLUDING THE POSSIBILITY ander these statutes may include fi	OF FINE AND IMPR	ISONMENT. SEE	E 18 U.S.C. § 1001 AND 33	U.S.C. § 1319. (Penalties	ruce	terdina	ne	DATE
R.P. Luk	e/rresid	ient '		p .c + . o   o o o un o i				BILL Fe	rdinand	0	7/11/01

Rio Algom Minir	ng Corporal	tion		NATIONAL DO							•
PO Box 1390				DISC	CHARGE M	SCHARGE ELIMINATION SYS MONITORING REPORT	STEM (NPDES)				
			PEF	RMIT NUMBER		SCHARGE NUMBER	NO DISC	HARGE			
Glenrock	WY	82637139	O N	/Y0022411		003Q	XXXX				
Bill Ferdinand						MONITORING PERIOD					
Bill Smith Uranii	um Mine					From 4/1/01 to 6/30/01					
S36.T36N,R74V											
			Quant	ty or Loading			Quality or Conce	entration	:		
PARAMETER			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY	SAMPLE TYPE
Oil And Grease	(Visual)				n/a			No Discharge	mg/l		
6/1/01 through 6	6/30/01		cile fVa .≎	n/a		n/a	n/a	Discusinge			
				1.000					<i>*</i>	Dally	Visible Sheen
in the event th	nat an oil sh	een or floatin	g oil is observed in the	ne discharge, a g	rab sample	must be immediately t	aken, analyzed a	nd reported. See	permit.		
На				T	n/a			No			
4/1/01 through 6	6/30/01				11/4			Discharge	SU		
	0,00,01		n/a.	n/a		6.0 Minimum	⊮n/a ₂	9.0 Maximum		Quarterly	· Grab
Please see pe	ermit, Part 1	, Section A fo	or an explanation of t	ne limitations for	this permit.				(4) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1		
Calastina	-										
Selenium	0100101				n/a			Discharge	mg/l		
4/1/01 through 6	6/30/01		n/a	n/a		-Report	n/a	Report	3	Quarterly	Grab'
Please see pe	ermit, Part 1	. Section A fo	or an explanation of t	ne limitations for	this permit.				& <b>1</b>		
0-1				<del></del>				— — — — .			
Sodium	0/00/04				n/a			No Discharge	mg/l		
4/1/01 through 6	6/30/01		n/a ,	, ' r/a		n/a	n/a	1500 Daily Ma		Quarterly	Grab
Please see pe	ermit, Part 1	, Section A fo	or an explanation of t	he limitations for	this permit.					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	lk:
					<del></del> -						
NAME TITLE PRINC	IDI EVECUTA	COEFICER									
1	THE EXECUTIV	INF	ORMATION SUBMITTED H	ERFIN AND BASED	איז זכועו אא אכ	Y EXAMINED AN AM FAMILI RY OF THOSE INDIVIDUALS I	DANGERY A TOTAL	I OFICER ØR	PRINCIPAL EX AUTHORIZED A	ECUTIVE GENT	TELEPHONE
		AN	SPONSIBLE FOR OBTAININ D COMPLETE. I AM AWAR	G THE INFORMATION E THAT THERE ARE	I, I BELIEVE T	HE SUBMITTED INFORMATION	ON IS TRUE, ACCURAT	TE DN, Q. /	,	307	/358-3744
R.P. Luke	e/Presi	LINC	TODING THE SOSSIBILITY	OF FINE AND IMPRIS	SONMENT. SE	E 18 U.S.C. § 1001 AND 33 U.S.	C & 1310 (Penalties	Bill Fe	irdin == 3	nel	DATE
	_,							DILL FE	rdinand	0	7/11/01
											Page 2 of 3

Rio Algom Mining Corporation	NATIONAL PO	LI LITANT DISCI	HARGE ELIMINATION SYSTE	M (NIDDER)			
PO Box 1390			NITORING REPORT (E				
	PERMIT NUMBER	DISC	HARGE NUMBER	NO DISCHA			
Glenrock WY 826371390	WY0022411		003Q	XXXXXX			
Bill Ferdinand		МС	ONITORING PERIOD				
Bill Smith Uranium Mine	<b>,</b>	Fr	rom 4/1/01 to 6/30/01				
\$36.T36N,R74W	Quantity or Loading		Q	uality or Concent	ration		
PARAMETER	AVERAGE MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS FREQ	UENCY SAMPLE TYPE
Total Arsenic		n/a		J <sub>T</sub>	No Discharge	ug/l	
4/1/01 through 6/30/01	n/a n/a		n/a		Report:	Qua	rterly Grab
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.					
Total Flow	No No No	MGD				n/a	
4/1/01 through 4/30/01	Discharge Discharge		0/4	ř/a	ri/a	Cont	nuous - Daily Total
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.					
Total Flow	No No Discharge Discharge	MGD				n/a	
5/1/01 through 5/31/01	Report Report		n/a	n/a	n/a	Cont	huove   Daily Total
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.					MANAGEMENT DESCRIPTION DE L'ANGELLE CONTRACTOR DE L'AN
Total Flow	No No No Discharg	MGD				n/a	
6/1/01 through 6/30/01	Report Report		n/a	n/a	n/a	(Gont	inucus/ Daily Total
Please see permit, Part 1, Section A for	an explanation of the limitations for	this permit.	·				
NAME-TITLE PRINCIPL EXECUTIVE OFFICER   I CEF	TIFY UNDER PENALTY OF LAW THAT I HAV	PERSONALLY I	EXAMINED AN AM FAMILIAR	WITH THE		PRINCIPAL EXECUTIVE	TELEPHONE
REST AND	RMATION SUBMITTED HEREIN, AND BASED PONSIBLE FOR OBTAINING THE INFORMATION COMPLETE, I AM AWARE THAT THERE ARE	N, I BELIEVE THI SIGNIFICANT PE	E SUBMITTED INFORMATION ENALTIES FOR SUBMITTING F	IS TRUE, ACCURATE ALSE INFORMATION.	0	A A	307/358-3744
INCL	UDING THE POSSIBILITY OF FINE AND IMPRI these statutes may include fine up to \$10,000 an or n	SONMENT. SEE	18 U.S.C. § 1001 AND 33 U.S.C.	§ 1319. (Penalties	But	idenant	DATE
K.r. Luke/President		•	•	•	Bill Fer	dinand	07/11/01
							Page 3 of 3