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 1632 3586 Return Receipt Requested

February 28, 2001

Mr. Phillip Ting Acting Branch Chief U.S. Nuclear Regulatory Commission Division of Low Level Waste Mgt. & Decommissioning Mail Stop T7J8 11555 Rockville Pike Rockville, MD 20850

#### RE: Smith Ranch Facility NRC License SUA-1548, Docket 40-8964 Semi-Annual Effluent Monitoring Report, July 1-December 31, 2000

Dear Mr. Ting:

Please find attached the Semi-Annual Effluent Monitoring Report for July 1, 2000 through December 31, 2000, as required pursuant to Smith Ranch License condition 11.5 and 12.2.

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

Sincerely,

Yohn 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/Cheyenne)-certified Mail - 7099 3220 0002 1632 3593
NRC (Director, Division of Radiation Safety and Safeguards/Arlington)
w/attachments-certified Mail - 7099 3220 0002 1632 3609
file

TEIT

#### RIO ALGOM MINING CORP. SEMI-ANNUAL EFFLUENT MONITORING REPORT SMITH RANCH FACILITY JULY 1 THROUGH DECEMBER 31, 2000

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, 2000

#### **EFFLUENT MONITOR REPORT**

The Smith Ranch license, specifically condition 12.2, describes the effluent and environmental monitoring program for the facility. Accordingly, pursuant to 10 CFR §40.65, license condition 12.2, 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 and Injection Manifold</u> <u>Pressures</u>

Presented in the table below are the average injection rates, recovery rates and injection manifold pressures as required by condition 12.2.

ltem	Wellfield #1	Wellfield #3	Wellfield #4	Total
Injection Rate Ave. (gpm)	741	2,309	2,222	5,272
Recovery Rate Ave. (gpm)	745	2,321	2,234	5,300
Injection Manifold Pressure Ave. (psi) <sup>(1)</sup>	101	87	130	

#### II. Air Sampling

#### A. Particulates

Pursuant to license condition 12.2 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.<sup>(2)</sup> The results from this quarterly monitoring are presented below.

<sup>&</sup>lt;sup>(1)</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.

<sup>&</sup>lt;sup>(2)</sup> Samples collected monthly and composited quarterly.

	3 <sup>rd</sup> Quarter			4 <sup>th</sup> Quarter		
Parameter	Conc. (µCi/ml)	LLD (µCi/ml)	Error Estimate (µCi/ml)	Conc. (µCi/ml)	LLD ( <sub>µ</sub> Ci/ml)	Error Estimate (µCi/ml)
U <sub>nat</sub>	2.98E-15	1.00E-16	N/A	6.55E-15	1.00E-16	N/A
Th-230	1.70E-16	1.00E-16	0.00E+0	4.71E-16	1.00E-16	0.00E+0
Ra-226	7.63E-16	1.00E-16	3.39E-16	4.71E-15	1.00E-16	0.00E+0
Pb-210	5.03E-13	2.00E-15	1.97E-14	1.43E-12	2.00E-15	5.73E-14

#### Vollman Ranch

## Dave's Water Well<sup>(3)</sup>

<u> </u>		3 <sup>rd</sup> Quarter			4 <sup>th</sup> Quarter		
Parameter	Conc. ( <sub>µ</sub> Ci/ml)	LLD (µCi/ml)	Error Estimate (µCi/ml)	Conc. (µCi/ml)	LLD (µCi/ml)	Error Estimate (µCi/ml)	
U <sub>nat</sub>	3.37E-15	1.00E-16	N/A	6.13E-15	1.00E-16	N/A	
Th-230	1.01E-15	1.00E-16	5.06E-16	1.01E-15	1.00E-16	0.00E+0	
Ra-226	2.62E-15	1.00E-16	4.22E-16	1.01E-15	1.00E-16	0.00E+0	
Pb-210	5.83E-13	2.00E-15	2.10E-14	1.02E-12	2.00E-15	7.84E-14	

#### Fence Line

I ence Line								
	3 <sup>rd</sup> Quarter			4 <sup>th</sup> Quarter				
Parameter	Conc. (µCi/ml)	LLD (µCi/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>	3.40E-14	1.00E- <b>1</b> 6	N/A	2.62E-14	1.00E-16	N/A		
Th-230	2.38E-15	1.00E-16	6.81E-16	1.56E-16	1.00E-16	0.00E+0		
Ra-226	3.15E-15	1.00E-16	4.26E-16	1.25E-15	1.00E-16	3.12E-16		
Pb-210	5.50E-13	2.00E-15	2.05E-14	4.84E-13	2.00E-15	1.92E-14		

(3) Daves 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.

#### B. Radon

Pursuant to license condition 12.2 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`"					
	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter			
Parameter	Conc. (µCi/ml)	Conc. (µCi/ml)			
Radon	2.1E-9	1.4E-9			

Vollman Ranch<sup>(4)</sup>

Dave's	Wa	ter '	Well

	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
Parameter	Conc. (µCi/ml)	Conc. (µCi/ml)
Radon	8.0E-10	1.2E-9

#### Fence Line

	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
Parameter	Conc. (µCi/ml)	Conc. (µCi/ml)
Radon	1.6E-9	1.1E-9

#### III. <u>Water</u>

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.

<sup>&</sup>lt;sup>(4)</sup> NVLAP Vendor does not provide percent error or lower level of detection.

	3 <sup>rd</sup> Quarter		4 <sup>th</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	No Water	No Water	No Water	No Water
Smith Pond	No Water	No Water	No Water	No Water
Smith's Windmill #1	2.78E-8	1.5E-9	2.91E-8	7.0E-10
Smith's Windmill #2	6.43E-8	8.0E-10	6.16E-8	4.0E-10
Solar Pump	6.77E-9	4.0E-10	No Water	No Water

#### Local Groundwater Wells

#### **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 3<sup>rd</sup> and 4<sup>th</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.

Suge oreen sumple results						
	3 <sup>rd</sup> Qtr.		4	<sup>th</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		

#### Sage Creek Sample Results

IV. <u>Soil</u>

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 in the following chart.

#### 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	0.45	0.71	<0.05
Station			

#### 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 in the following chart.

#### Vegetation Sample Result

Location	U <sub>µ</sub> Ci/Kg	Ra <sub>226µ</sub> Ci/Kg	Th <sub>230µ</sub> Ci/Kg	Pb <sub>210µ</sub> Ci/Kg
Downwind of Air Sampling	6.2E-8	4.3E-5	2.4E-6	2.9E-4
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 dosimeters on a quarterly basis. Provided in the table below are the results from those measurements.

Location	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
Vollman Ranch	10.1	9.6
Fence Line	12.0	12.6
Dave's Water Well	10.3	10.2
Wellfield #1	11.1	13.0
Wellfield #3	9.9	10.6
Wellfield #4	11.3	10.2
Wellfield #4A	NA	10.2
Pond	11.9	11.3

# **Direct Radiation**

#### 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<sup>rd</sup> and 4<sup>th</sup> quarter are presented in the table below.

Location	$3^{rd}$ Quarter ( $\mu$ R/Hr)	4 <sup>th</sup> Quarter ( <sub>µ</sub> R/Hr)
Downwind of Radon Sampling Location	5	20
Upwind of Process Plant	5	18
Process Leach Tank	10	22
Evaporation Ponds	6	26

#### Deferred Production Status Direct Radiation Measurements

# **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

October 9, 2000

#### Certified Mail - 7099 3220 0002 1631 1071 Return Receipt Requested

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

#### Re: Third Quarter 2000 NPDES Report

Dear Mr. Abernathy:

Attached are the Discharge Monitoring Reports for the Smith Ranch Facility, Permit Number WY-0022411 for the third quarter ending September 30, 2000.

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

Sincerely,

John Cash Manager, EHS and Regulatory

xc: B. Ferdinand w/attachments M. Freeman w/o attachments P. Goranson w/attachments File w/attachments

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different)		ATTON	DISCH	ARGE MO	NITORING REPO					4		
NAME RIO ALGOM MINIS	NG_CURPUR		WYOO	<u>(2.16)</u> 22A11			SUBR 04)	Form Approved OMB No. 2040 <b>-0203</b> 45				
GLENROCK		WY 82637-13		TNUMBE			- FINAL	Expires				
						M	INOR	CAPILOS				
FACILITY Smith Ranch Pro			·		TORING PERIC		2000					
LOCATION 762 Ross Road,		· A2L33	FROM 2000	07	01 TO 2000	<u>M° PAY</u> 09 30 *	** NO DISC	HARGE	XXX	***		
ATTN: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			(20.21)	(22-23) (24		28-29) (30-31) N	IOTE: Read instruc	tions befor	e com	pleting this	s form.	
		(3 Card Only) QUA	NTITY OR LOADIN	G	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	CENTRATION (54-61)			FREQUENCY	SAMPLE TYPE	
<b>PARAMETER</b> (32-37)	$ $ $\times$	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS	(69-70)	
РН	SAMPLE	*****	*****		NO	*****	1.1.4	(12)	10		Grab	
	MEASUREMENT				DISCHARGE		DISCHARGE		70	OTRLY	GRAB	
00400 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		41UU1	GAAD	
ZINC, TOTAL	SAMPLE	*****	*****		NO	NO	NO	( 19)				
(AS ZN)	MEASUREMENT				DISCHARGE	DISCHARGE	DISCHARGE				Grab	
01092 1 0 0	PERMIT	*****	******	****	0.5	REPORT	1.0			QTRLY	GRAB	
EFFLUENT GROSS VALU	REQUIREMENT			****		MX WK AV	I	T I				
SELENIUM, TOTAL	SAMPLE	*****	*****		NO	NO	NO	( 19)	n l	1	Cash	
(AS SE)	MEASUREMENT	-		4	DISCHARGE	DISCHARGE	DISCHARGE			ORDIV	Grab	
01147 1 0 0	PERMIT	******	*****	****	0.05	REPORT	0.10 DAILY MX	MO IT		QTRLY	GRAB	
EFFLUENT GROSS VALU	B			****	MX MO AV NO	MX WK AV	NO	M12/11		 	<u></u>	
	SAMPLE MEASUREMENT	r			DISCHARGE	DISCHARGE	DISCHARGE		D			
	PERMIT											
	REWGINEMEN									<u> </u>	4	
	SAMPLE MEASUREMEN	r										
	PERMIT											
	REQUIREMENT											
	SAMPLE MEASUREMEN	T										
	PERMIT											
	REQUIREMEN	r										
	SAMPLE	T				-						
											a second a second	
	PERMIT REQUIREMEN	r							and the second			
NAME/TITLE PRINCIPAL EXECUTIVE	E OFFICER   CE	RTIFY UNDER PENALTY	OF LAW THAT I HAVE	PERSONALL		67	<i>Q</i>	TELEPHON	E		A T E	
	ON	AM FAMILIAR WITH THE MY INQUIRY OF THOSE AINING THE INFORMATIC	INDIVIDUALS IMMEDIA	TELY RESPO	NEOPMATION	e terdame	$\sim$					
	IS T	RUE ACCURATE AND C	OMPLETE I AM AWARI SUBMITTING FALSE I	E THAT THE	INCLUDING BILL	Ferdinand						
R.P. Luke/President	THE	POSSIBILITY OF FINE A	ND IMPRISONMENT SE	E 18 USC include lines	UD to STUTION SIGNA	TURE OF PRINCIPA	100					
TYPED OR PRINTED	and	or maximum imprisonment	of between 6 months and	5 veerv I	OFF	ICER OR AUTHORI	ZED AGENT CO		BFK	YEAR		

SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME RIO ALGOM MINING ADDRESS P. O. BOX 1390		10N	DISCHA WY002	<b>RGE MON</b> 2-16j		(\$) <u>17-19)</u> <u>3 Q</u> (RGE NUMBER F	SUBR 04) - FINAL	Form App OMB No. Expires	2040-000	45
				MONIT	ORING PERIO	D MI	INOR			
FACILITY Smith Ranch Proje				MO DA	Y TO YEAR P	09 30 *>	** NO DISC	HARGE	ww **	
LOCATION 762 Ross Road - Do	uglas WY A	2633	FROM 2000	(22-23) (24-2	25) (26-27) (28	8-29/ (30-31) N	OTE: Read instruct	tions befor	e completing	this form.
ATTN: ROBERAX XXXX	CONTRACTOR BI	<u>FERDINAND</u> Card Only) QUAN			(4 Card Only)	QUALITY OR CONC	ENTRATION (54-61)		NO. FREQUE	NCY SAMPLE
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	MAXIMUM	UNITS	EX ANALY	5(5
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		(62-63) (64-68	(69-70)
РН	SAMPLE	*****	*****		NO DISCHARGE	*****	NO DISCHARGE	(12)	n	Grab
00460 1 0 0	PERMIT	*****	*****	**** ****	6.0 MINIMUM	*****	9.0 MAXIMUM	_ <u></u>	QTRI	Y GRAB
EFFLUENT GROSS VALUE BICARBONATE ION-	SAMPLE	*****	*****	<u></u>	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	(19)	n	Grab
(AS HCO3) 00440 1 0 0	PERMIT - REGUIREMENT	*****	*****	**** ****	REPORT MX MO AV	REPORT MX WK AV		MG/L	` QTRI	Y GRAB
EFFLUENT GROSS VALUE OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****	NO DISCHARGE	( 19)	n Cont	
FREON EXTR-GRAV METH 00556 1 0 0 EFFLUENT GROSS VALUE	arewir I	*****	*****	****	*****	*****	10 DAILY MX			INVISUAI
SODIUM, TOTAL	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	( 19)		Grab
(AS NA) 00929 1 0 0	PERMIT REQUIREMENT	*****	*****	****	REPORT MX MO AV	REPORT MX WK AV	1500 DAILY MX	MG/L	QTR	LY GRAB
EFFLUENT GROSS VALUE CHLORIDE	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NO DTSCHARGE	NO DISCHARGE	( 19)		Grab
(AS CL) 00940 1 0 0	PERMIT REQUIREMENT	*****	*****	****	REPORT MX MO AV	REPORT MX WK AV	750	K MG/L	QTR	LY GRAB
EFFLUENT GROSS VALUE ARSENIC, TOTAL	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NÔ DISCHARGE	NO DISCHARGE	( 19	<u>a</u>	Grab
(AS AS) 01002 1 0 0		*****	*****	****	REPORT MX MO AV	REPORT	REPORT DAILY M	K MG/L	QTR	LY GRAB
EFFLUENT GROSS VALUE SELENIUM, TOTAL	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	( 19	) a	Grab
(AS SE) 01147 1 0 0 EFFLUENT GROSS VALUE	PPRMIT	*****	*****	****	REPORT	REPORT	REPORT DAILY M	X MG/L		LY GRAB
R.F. Luke/President	OFFICER I LENN AND AM ON MY OBTAINI IS TRUI NIFICAN	FY UNDER PENALTY C A FAMILIAR WITH THE INQURY OF THOSE ING THE INFORMATIO E ACCURATE AND CC IT PENALTIES FOR 5 DSIBILITY OF FINE AN 5 1319 (Pradice un	INFORMATION SUBMIT INDIVIDUALS IMMEDIA N I BELIEVE THE S DMPLETE I AM AWARI SUBMITTING FALSE I IO IMPRISONMENT SE	TED HEREIN ATELY RESPON SUBMITTED IN E THAT THER NFORMATION F 18 USC 5	EXAMINED AND BASED VSIBLE FOR IFORMATION E ARE SIG INCLUDING 1001 AND	Ferdinand	and t	TELEPHON	NE OC	

SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER.

5

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME RIO ALGOM MININ ADDRESS P O BOX 1390			DISCHA WY002	172-16) 22411		$\begin{array}{c} \mathbf{RT} \ (DMR) \\ (17.19) \\ \mathbf{O3} \ \mathbf{Q} \end{array} $	(SUBR 04)		204	40-1103345	· · · · · · · · · · · · · · · · · · ·
GLENROCK	W	<u>1Y 82637-1;</u>	390 PERMI	TNUMBER	DISCH		F - FINAL	Expires	9-30	)-91	:
			-	MONI	TORING PERIO		IINOR				
PACILITY Smith Ranch Pro	Douglas, WY	ELISA	FROM 70 00	07	01 10 2000		本本本 NO DISC NOTE: Read instruc	HARGE		_   米米米 ipleting this	s form.
ATTN: XROBSBORXEXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		(20-21)	(22-23) (24 G		QUALITY OR CON	CENTRATION	·	1	FREQUENCY	SAMPLE
PARAMETER	$\sim$	(46-53)	(54-61)		(38-45)	(46-53)	(54-61) MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
(32-37)	$\langle \ \rangle$	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			(62-63)	(64-68)	(69-70)
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE	NO DISCHARGE	( 03)	*****	*****			2	Cont.	Total Grab
50050 1 0 0 EFFLUENT GROSS VALUE	DCDWIT	REPORT MX MO AV	REPORT DAILY MX	MGD	*****	*****	*****	**** ****		UOUS	TOTALZ
	SAMPLE Measurement	NÔ	NO DISCHARGE		NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	-	כ	- 10 <sup>-100</sup> - 10 <sup>-1</sup>	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT						•	ļ		ļ	
	SAMPLE Measurement										
	PERMIT REQUIREMENT										
	SAMPLE MEABUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT							<u></u>			
	SAMPLE MEASUREMENT							32			
	PERM IT REQUIREMENT					$\mathbb{L}_{\mathcal{A}}$		TELEPHO			ATE
NAME/TITLE PRINCIPAL EXECUTIVE	AND ON M ON M OBTAI IS TR NEICA	AM FAMILIAR WITH THI IY INQUIRY OF THOSI NING THE INFORMATI IUE ACCURATE AND C	OF LAW THAT I HAVE E INFORMATION SUBMIT E INDIVIDUALS IMMEDIA ONI I BELIEVE THE S COMPLETE I AM AWARI SUBMITTING FALSE II NID IMPRISONMENT SEI	TED HEREIN TELY RESPO SUBMITTED IN E THAT THEF NEDRMATION	AND BASED NSIBLE FOR NFORMATION RE ARE SIG INCLUDING BILL	- terda Ferdinand					LG 09
R.P. Luke/President TYPED OR PRINTED		5C \$1319 (Penalties u r maximum imprisionment	nder these statutes may of between 6 months and :	include lines	un tu \$10000 i	TURE OF PRINCIP			BER	-+	MO DAY

SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER.

PAGE



Rio Algom Mining Corp. P.O. Box 1390 Glenrock, Wyoming 82637 307.358.3744 tel 762 Ross Road Douglas, Wyoming S2633

307.266 2449 tel 307.358.9201 fax

January 5, 2000

#### Certified Mail - 7099 3220 0008 5206 1651 **Return Receipt Requested**

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

### RE: 4<sup>th</sup> Quarter 2000 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 2000.

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

Sincerely,

John W. Cash Manager EHS and Regulatory

B. Ferdinand-w/ attachments xc: M. Freeman-w/o attachments P. Goranson-w/ attachments file-w/ attachments

IIII Name/Location if different) ME_RIO_ALGOM_MINING DRESSP_O_BOX_1390		WY002		003 6		SUBR 04)	Form Approved OMB No. 2040-DDDD445 Expires 9-30-91				
GLENROCK	WY	<u>82637-13</u>	90 PERMIT	NUMBER	DISCHA		- FINAL NOR	Expires	9-30	-91	
				MONIT	ORING PERIO	D	MOIN				
CILITY Smith Ranch Proj CATION 762 Ross Roads D	ouglas, WY A	EF33	FROM DO	MO DA 10 ( (22-23) (24-	1 1000	$\frac{12}{31} \frac{31}{3031} \times 10^{10}$	* NO DISCH	HARGE		米米本 pleting thi	s form.
TTN: ROBERTX BLAC		<u>ll Ferdinand</u> Card Only) QUAN (46-53)	(20-21) 1 NTITY OR LOADING (54-61)		(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PARAMETER (32-37)	$\times$	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
Н	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	*****	NO DISCHARGE	(12)	<u></u>	ND	NT.
0400 1 0 0	1.	*****	******	(*** ****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		QTRLY	GRAB
0400 1 0 0 FFLUENT GROSS VALUE ICARBONATE ION-	SAMPLE MEASUREMENT	*****	*****	eta eta eta eta e	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	(19)	0	ND	ND
AS HCO3) 00440 1 0 0	PERMIT REQUIREMENT	*****	****** >	*** ****	REPORT MX MO AV	REPORT MX WK AV	4500 DAILY MX	MG/L		ATRLY	GRAB
FFLUENT GROSS VALUE	SAMPLE MEABUREMENT	*****	*****	<u> </u>	*****	*****	NO DISCHARGE	(19)		ND	14D
REON EXTR-GRAV METH	PERMIT	*****	*****	**** ****	*****	*****	10 DAILY MX			CONTINUUS	
00556 1 0 0 SFFLUENT GROSS VALUE GODIUM, TOTAL	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	( 19)	)	ND	ND
(AS NA) 00929 1 0 0	PERMIT	*****	*****	****	REPORT MX MO AV	REPORT MX WK AV	1500 DAILY MX	MG/L		ATRLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	( 19	) U  ]	ND	NID.
(AS CL) 00940 1 0 0 EFFLUENT <u>GROSS VALUH</u>		*****	*****	****	REPORT MX MO AV					QTRLY	GRAB
ARSENIC, TOTAL	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	( 19		ND SMTT V	GRAB
(AS AS) 01002 1 0 0 EFFLUENT GROSS VALUI	PERMIT REQUIREMENT	*****	*****	**** ****	REPORT MX MO AV					PTRLY	- GAAD
SELENIUM, TOTAL (AS SE)	SAMPLE MEASUREMENT	*****	*****		NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	( 19		ND	GRAB
01147 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	****	REPORT MX MO AV	REPORT	REPORT	MG/L	NE		ATE
R.F. Luke/President	OFFICER AND	M FAMILIAR WITH THE V INQUIRY OF THOSE UNG THE INFORMATIC JE ACCURATE AND C NT PENALTIES FOR DSSIBILITY OF FINE A	OF LAW THAT I HAVE INFORMATION SUBMIT INOVIOUALS IMMEDIA ON I BELIEVE THE 3 COMPLETE I AM AWAR SUBMITTING FALSE I IND IMPRISONMENT SE IND IMPRISONMENT SE ader there statutes may of britigen 6 munths and	TELY RESPO	NSIBLE FOR TALL. NFORMATION RE ARE SIG BILL INCLUDING BILL \$ 1001 AND SIGNA	Ferdinand TURE OF PRINCIP		7 <u>254</u>	HBER	YEAR	<u>о</u> ] н мо р

SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER.

,

ERMITTEE NAME/ADDRESS (Include acility Name/Location if different) AMERIO_ALGOM_MINING_CORPORATION ODRESS P_O_BOX_1390			WY002	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) WY0022411 DISCHARGE NUMBER DISCHARGE NUMBER DISCHARGE NUMBER DISCHARGE NUMBER DISCHARGE NUMBER					Approved No. 2040-໓໓ຟີ45 s 9-30-91			
GLENROCK	M	<u>yy 82637-13</u>	90 PERMI	TNUMBER	Disch		F - FINAL MINOR	Expires	3-30	-51		
			-	MONI	FORING PERIO	D						
ACILITY Smith Ranch Proj OCATION 762 Ross Road 1	)ouglas, <u>WY</u>	EE458	FROM DO		1 10 2000		*** NO DISCI NOTE: Read instruc	HARGE		米米米  pleting this	form.	
ATTN: KOHERAX KXX EXXE	KOSTOONE B	ill Ferdinand	(20-21)	(22-23) (24- G	(4 Card Only)	QUALITY OR CON			NO.	FREQUENCY		
PARAMETER		(46-53)	(54-61)	UNITS	(38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS	(69-70)	
(32-37)	$\angle $	AVERAGE	NO	( 03)	*****	*****	* *****					
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE	DISCHARGE	( 00)					]	ND	TOTALZ	
50050 1 0 0	PERMIT	KEPURI	REPORT	Map	*****	*****	*****	**** ****		UOUS		
EFFLUENT GROSS VALUE	REQUIREMENT SAMPLE MEASUREMENT	NO NO	DAILY MX NO DISCHARGE	MGD	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE		0	ND	HD	
	PERMIT REGUIREMENT	VISCUARGE	DISCHARGE							₽		
	SAMPLE MEASUREMENT	r				-						
	PERMIT REQUIREMENT			ļ		ļ		<u> </u>	-			
	SAMPLE MEASUREMENT	r										
	PERMIT REQUIREMENT	r					_		_			
	SAMPLE MEASUREMEN	т						-			-	
	PERMIT REQUIREMENT	r										
	SAMPLE MEABUREMEN	т										
	PERMIT REQUIREMEN	<b>T</b>										
1	SAMPLE MEASUREMEN	іт <b>—</b> ———————————————————————————————————										
, ,	PERM IT REQUIREMEN		<u> </u>			<i></i>	<u></u>	TELEPHO	DNE	D	ATE	
NAME/TITLE PRINCIPAL EXECUTIV	AND ON OBT	ERTIFY UNDER PENALTY O AM FAMILIAR WITH TH MY INQUIRY OF THOS TAINING THE INFORMAT TRUE ACCURATE AND ICANT PENALTIES FOR	INTORMATION SUBMI	ATELY RESPO	NEORMATION REARE SIG BIL	il terdinance	1			4 03	03 32	
R.P. Luke/President	THE	ICANT PENALTIES FOR POSSIBILITY OF FINE USC \$1319 (Prnallus) Ur maximum imprisionmen	AND IMPRISONMENT SI	include lines	51014/	ATURE OF PRINC	IPAL EXECUTIVE		-374L	YEAR	MO DA	

SAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER.

PARAMETER (37-37)     (46-37)     (14-37)	CLENROCK		TION Y 82637-13	WY002	(2-16)		RT (DMR) (17-19) )1 Q (S Ange Number F	SUBR 04) - FINAL	Form Ap OMB No Expires	b. 204	10 10 20 10 4 5	)
PARAMETER (32-07)     Control (14-0)     Cont	OCATION 762 Ross Road	Douglas - W	(BZL33)	FROM ZOOD	MO D 10	АУ 01 то 2000 -25) (26-27) (2	D MO 12 31 8-29/ (30-31) N	k≭ NO DISC OTE: Read instruc				s form.
(#3-37)     AVERAGE     MAXIMUM     UNITS     MIKHUM     AVERAGE     MAXIMUM     UNITS     MIXHUM     AVERAGE     MAXIMUM     UNITS     MIXHUM     AVERAGE     MAXIMUM     UNITS     MIXHUM     AVERAGE     MAXIMUM     MIXHUM			(3 Card Only) QUA		G				·····		OF	SAMPLE TYPE
MIL MEADURATE </td <td></td> <td></td> <td>AVERAGE</td> <td>MAXIMUM</td> <td>UNITS</td> <td>MINIMUM</td> <td>AVERAGE</td> <td>MAXIMUM</td> <td>UNITS</td> <td>(62-63)</td> <td></td> <td>(69-70)</td>			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)		(69-70)
D0:400 1 0 0 TREAT <td>24</td> <td>SAMPLE MEASUREMENT</td> <td>*****</td> <td>*****</td> <td></td> <td></td> <td>*****</td> <td></td> <td>( 12)</td> <td></td> <td><b>*</b></td> <td></td>	24	SAMPLE MEASUREMENT	*****	*****			*****		( 12)		<b>*</b>	
CARGE TO TOTAL MEADUREMENT M	00400 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	1	6.0	*****		รบ		OTRLY	GRAB
01032 1 0 PERMIT ***** 0.5 REPORT 1.0 PERMIT PERMIT PERMIT ***** 0.5 REPORT 1.0 PERMIT PERMIT PERMIT PERMIT ***** 0.5 REPORT 1.0 PERMIT PERMIT PERMIT PERMIT ***** PERMIT PE	SINC. IOTUD	SAMPLE	*****	*****			DISCHARGE	DISCHARGE	( 19)	0		Contraction of the second
International constraints   Intern	01092 1 0 0	100. 000 Aug at 100 and 4 10 000 at 100	*****	*****			1	EC	MG/L		QTRLY	GRAB
01147 1 0	SELENIUM, TOTAL	SAMPLE	*****	*****		NO	NO		( 19)		ND	ND
BAMPLE MEABUREMENT NO DISCHARGE	01147 1 0 0		*****	*****		0.05	REPORT		MG/L		ATRLY	GRAB
REQUIREMENT NO NO NO NO NO NO NO   MEASUREMENT DISCHARGE DISCHARGE DISCHARGE DISCHARGE DISCHARGE DISCHARGE   PERMIT NO NO NO NO NO NO NO   MEASUREMENT DISCHARGE DISCHARGE DISCHARGE DISCHARGE DISCHARGE   PERMIT NO NO NO NO NO NO   PERMIT PERMIT DISCHARGE DISCHARGE DISCHARGE DISCHARGE   PERMIT PERMIT PERMIT PERMIT PERMIT PERMIT   NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CENTY UNDER PERMITION SUBMITIONE HARD NEEDER HANT THERE ARE SIGNARY PERMITING FRANCING SUBMITION SUBMITION SUBMITION SUBMITIONE HARD NEEDERSUBJER FOR AND BASCO ON MICHAELY RESONANT SEC INFORMATION SUBMITIONE HARD NEEDERSUBJER FOR AND MACTOR MICHAELY PERMITING FRANCING THE ACCURATE AND COMPLETE ARE SIGNARY OF THE AND WARE INFORMATION SUBMITIONE SEC INFORMATION SUBMITIONE HARD NEEDERSUBJER FOR AND MACTOR MICHAELY   R. P. Luke/President THE ACCURATE AND COMPLETE ARE SIGNARY SEC INFORMATION SUBMITIONE SEC INFORMATION SUBMITIONE AND MADE IN THE AND MARKE SECUTIVE DISCHARGE DISCHARGE   R. P. Luke/President THE ACCURATE AND COMPLETE AND WARE INFORMATION SUBMITION FRAME IN THE AND MARKE INFORMATION SUBMITION FRAME IN THE AND MARKE INFORMATION SUBMITION FRAME IN THEE AND MARKE INFORMATION SUBJECINA	PETHONNI GROUD VILLO.	SAMPLE								0	ND	ND_
MEASUREMENT   DISCHARGE   DISCHARGE   DISCHARGE   DISCHARGE     PERMIT REQUIREMENT   NO   NO   NO   NO   NO   NO     SAMPLE REQUIREMENT   NO   NO   NO   NO   NO   NO   NO     BAMPLE REQUIREMENT   NO   DISCHARGE   DISCHARGE   DISCHARGE   DISCHARGE   ND   ND     BAMPLE REQUIREMENT   NO   NO   NO   NO   NO   NO   ND   ND   ND     MAME/TITLE PRINCIPAL EXECUTIVE OFFICER R.P. Luke/President   CETTY OF LAW TAT I MAYE PERSONALLY EXAMINED OBTAINING THE INFORMATION IS BUILTED INFORMATION STRUE ACCURATE AND COMPATION IS UBLIFTED INFORMATION STRUE ACCURATE AND COMPATION IS UBLIFTED INFORMATION STRUE ACCURATE AND COMPATION IS THAT THATE REPONSIBLE FOR STRUE ACCURATE AND COMPATION IS AND THE INFORMATION IS THAT THAT THERE ARD SIGNATION STRUE ACCURATE AND COMPATION IS AND THE INFORMATION STRUE ACCURATE AND COMPATION IS AND THE INFORMATION IS AND THE INFORMATION STRUE ACCURATE AND COMPATION IS AND THE INFORMATION IS AND THE INFORMATION STRUE ACCURATE AND COMPATION SEE TOR SUBMITTED INFORMATION STRUE ACCURATE AND COMPATION IS AND THE INFORMATION STRUE ACCURATE AND COMPATION IS AND THE INFORMATION STRUE ACCURATE AND COMPATION IS AND THE INFORMATION IN THE INFORMATION STRUE ACCURATE AND COMPATION IN SEC INFORMATION IN THE INFORMATION STRUE ACCURATE AND COMPATION IN THE INFORMATION AND THE INFORMATION STRUE ACCURATE AND C		PERMIT REQUIREMENT									ļ	
REQUIREMENT NO NO NO NO NO   MEASUREMENT DISCHARGE DISCHARGE DISCHARGE DISCHARGE DISCHARGE   PERMIT REQUIREMENT SAMPLE MEASUREMENT NO NO NO NO NO   SAMPLE MEASUREMENT PERMIT REQUIREMENT DISCHARGE DISCHARGE DISCHARGE DISCHARGE   NAME/TITLE PRINCIPAL EXECUTIVE OFFICER R.P. Luke/President I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED INFORMATION ISUBILITED HEREN AND BASED ON MY INDURY OF THOSE INSUBILITED HEREN AND BASED ON MY INDURY OF THOSE INSUBALTED AND INTERD HEREN AND BASED ON MY INDURY OF THOSE INSUBALTED HEREN AND BASED ON MY INDURY OF THOSE INSUBALTED AND INTERD HEREN AND BASED ON MY INDURY OF THOSE INSUBALTED AND INTERD HEREN AND BASED ON MY INDURY OF THOSE INSUBALTED AND INTERD HEREN ON MY INDURY OF THOSE INSUBALTED AND INTERD AND INTERD HEREN ON MY INDURY OF THOSE INSUBALTED AND INTERD AN	,									2	ND	ND
MEASUREMENT   DISCHARGE   DISCHARGE <td></td>												
REQUIREMENT     SAMPLE MEASUREMENT     PERM IT REQUIREMENT     PERM IT 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 SIG OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING SIGNATURE OF PRINCIPAL EXECUTIVE 33 USC \$1319 (Penalties under Information AND INFORMATION INCLUDING 33 USC \$1319 (Penalties under Information I SUBJININ)   SIGNATURE OF PRINCIPAL EXECUTIVE AREA NUMBER   YEAR MO D									~		ND	ND
MEASUREMENT     PERMIT REQUIREMENT     NAME/TITLE PRINCIPAL EXECUTIVE OFFICER   I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED ON AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG NIFICART PENALTES FOR SUBMITTING FALSE INFORMATION INCLUDING OBTAINING ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG NIFICART PENALTES FOR SUBMITTING FALSE INFORMATION INCLUDING NIFICART PENALTES FOR SUBMITTING FALSE INFORMATION INCLUDING SIGNATURE OF PRINCIPAL EXECUTIVE 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there statutes may include funds up to \$100,000 33 USC \$1319 (Penaltics under there \$100,000 33 USC \$1319 (PENALTICS \$100,000 30 USC \$1319 (PENALTIC												
REQUIREMENT     NAME/TITLE PRINCIPAL EXECUTIVE OFFICER   I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INDURY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR ON THIS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG ON TAINING FALLES FOR SUBMITTED INFORMATION INFORMATION INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG NIFICANT PENALTIES FOR SUBMITTED INFORMATION INFORMATION INFORMATION INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG NIFICANT PENALTIES FOR SUBMITTED INFORMATION INCLUE INFORMATION INCLUE INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG NIFICANT PENALTIES FOR SUBMITTED INFORMATION INCLUE INFORMATION INCLUE INFORMATION INFORMATION INCLUE INFORMATION INCLUE INFORMATION INCLUE INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIG NIFICANT PENALTIES FOR SUBMITTED INFORMATION INCLUE INFORMATION INFORMATION INCLUE INFORMATION INCLUE INCLUE INFORMATIO												
R.P. Luke/President R.P. Luke/President 756 1319 (Penaltics under they statutes may include fines up to \$10,000 to \$10,00												
N.F. LUKE/Frestuent - 33 USC 1319 (Penalties under they statutes may include fines up to \$10,000) OFFICED OF AUTOPIZED AGENT - AREA NUMBER VEAR MO D		AND A ON M OBTAIN IS TRU	IN FAMILIAR WITH THE Y INQUIRY OF THOSE NING THE INFORMATIC JE ACCURATE AND CI INT PENALTIES FOR	INFORMATION SUBMIT INDIVIDUALS IMMEDIA DN I BELIEVE THE S OMPLETE I AM AWARE SUBMITTING FALSE IN	TED HEREIN TELY RESPOR UBMITTED IN THAT THER IFORMATION	AND BASED NSIBLE FOR FORMATION E ARE SIG INCLUDING B111	Ferdinand					
TYPED OR PRINTED and or maximum imprissionment of neurope in minings and or maximum imprissionment of neurope in the ne	R.P. Luke/President	1 33.05	C \$1319 (Penalties un	der these statutes may	include fines i	up to \$10,000 SIGNAT		ED AGENT AR	EA NUM			

DAMPLES SHALL BE TAKEN FROM THE FINAL TREATMENT UNIT AND PRIOR TO ADMIXTURE WITH DILUENT WATER.

7.