

Rio Algom Mining LLC

HD-8905

October 22, 2010

Certified Mail
Return Receipt (7009 0960 0000 8422 7310)

Mr. Jerry Schoeppner
Groundwater Quality Section
New Mexico Environment Department
P.O. Box 26110
Santa Fe, NM 87502

Re: **Discharge Plan - 71**
Analytical Results – 3rd Quarter 2010

Dear Mr. Schoeppner,

Please find attached the 4th quarter groundwater monitoring report for the Section 4 lined evaporation ponds at the Ambrosia Lake mill facility. This report includes the quarterly reporting requirements for discharge permit DP-71.

Also enclosed (NMED copy only) is a CD Copy of the Excel Spreadsheet for the 2nd quarter groundwater monitoring report, Section 4 lined evaporation ponds. This CD Copy meets the requirements of Condition 15B of Discharge Plan DP-71.

If you have any questions or need additional information, please call me at 505-287-8851, ext 15.

Regards,

Chuck Wentz
Chuck Wentz
Environmental Department Supervisor
Radiation Safety Officer

Attachment: As stated

xc: NRC (Mr. Tom McLaughlin)
NRC (document control)
file

1E25
NMSS

**RIO ALGOM MINING LLC
AMBROSIA LAKE
FACILITY**

**Discharge Permit
DP-71**

3rd Quarter 2010

October 22, 2010

Discharge Permit DP-71

Summary of Activities

This report presents the results of the monitoring and sampling requirements associated with discharge permit DP-71 for the period encompassing the 3rd quarter of 2010. DP-71 permit renewal was approved on December 1, 2003 and monitoring requirements were expanded from previous monitoring commitments listed in the permit. This has resulted in acquiring data that was not obtained in past monitoring programs.

Activities associated with the Section 4 lined evaporation ponds consisted of sampling Monitor Wells 22 and 32.

All wells associated with the permit were dry or contained insufficient water for sample collection except for two wells. These wells were MW-22 and MW-32. Laboratory/analytical results for the quarterly sample events were provided by ACZ Laboratories. A table summarizing the data is attached and copies of the laboratory reports are included with this submittal.

Hydrographs and time versus concentration plots for the chemical constituents chloride, sulfate, and TDS are attached for MW-22, MW-26, and MW-32. Since all other wells continue to be dry, Rio Algom wishes to incorporate the hydrographs for the other wells associated with DP-71 that were included within the April 3, 2006 submittal.

Due to the lack of any water in the alluvium in the Section 4 Pond area, development of a potentiometric map for the alluvium was not undertaken. Since mine dewatering from mines northeast of the Section 4 Ponds ceased in 1985, the alluvium in the vicinity of the Section 4 Ponds has drained, which is reflected in the historical water level data obtained from the monitoring wells associated with the Section 4 Ponds.

Analytical Data

DP-71

RIO ALGOM MINING LLC
DISCHARGE PERMIT - DP-71
MONITORING RESULTS - 3rd QUARTER 2010

Date	Location	Depth to Water (ft)	Total Depth (ft)	WELL STATUS	pH (s.u.)	Temp. (C)	Spec. Cond. (uS)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Nitrate (mg/L)	Arsenic (mg/L)	Selenium (mg/L)	Uranium (mg/L)
7/5/2010	MW-12		13.00	NS										
7/5/2010	MW-13		29.27	NS										
7/5/2010	MW-22	35.68	36.89		7.05	14.4	5550	130	2900	5290	21.9	0.006	0.135	0.0309
7/5/2010	MW-23		41.73	NS										
7/5/2010	MW-24		50.13	NS										
7/5/2010	MW-25		29.62	NS										
7/5/2010	MW-26		35.25	NS										
7/5/2010	MW-27		27.87	NS										
7/5/2010	MW-28		32.48	NS										
7/5/2010	MW-29		29.29	NS										
7/5/2010	MW-30		40.99	NS										
7/5/2010	MW-31		50.51	NS										
7/5/2010	MW-32	68.28	71.62		7.03	15.8	5380	120	2900	5330	69.4	0.007	0.336	0.0556
7/5/2010	MW-33		59.31	NS										

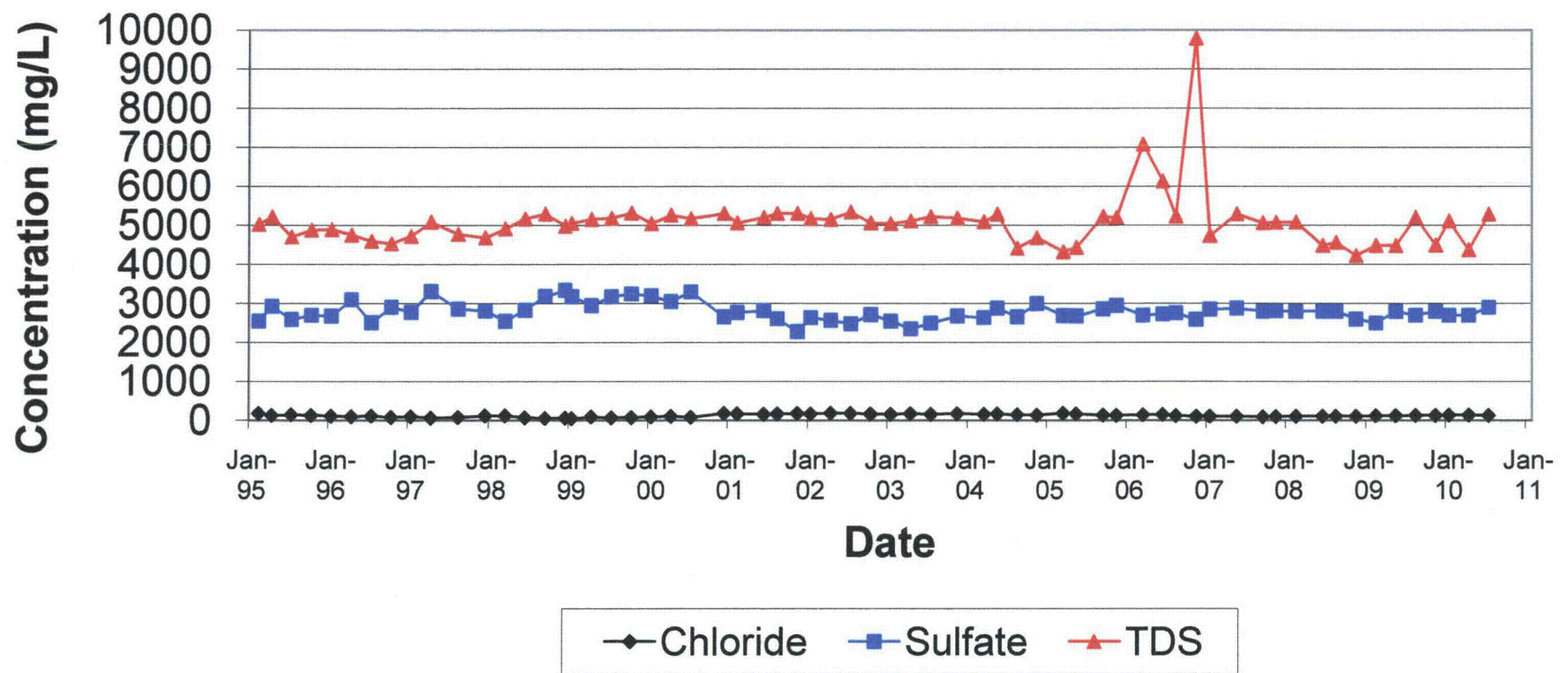
Notes

- 1 - Well status listed as "NS" indicates the well was either dry or contained insufficient water for sample collection.
- 2 - Monitor wells MW-1 through MW-11, MW-14 through MW-21 plugged and abandoned for the lined pond relocation project.

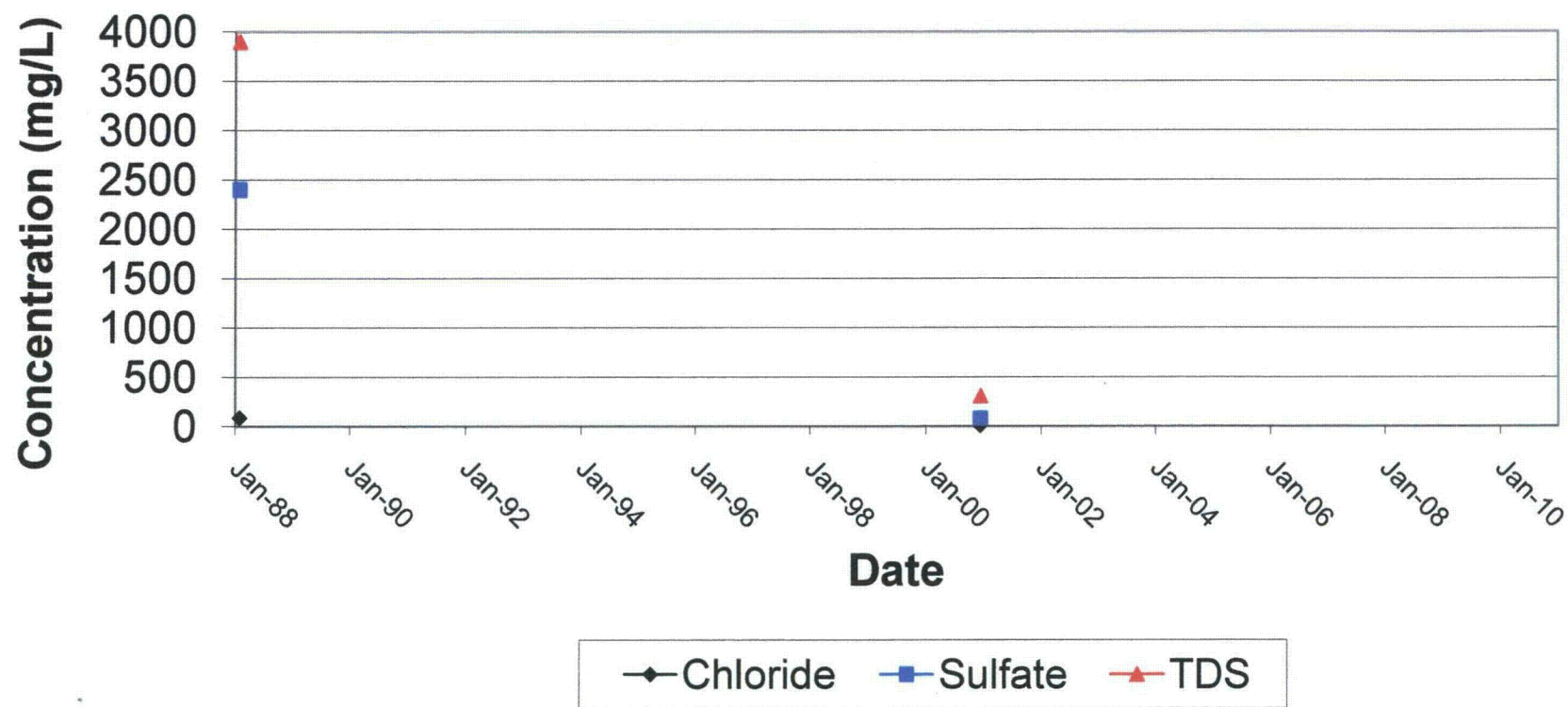
Time versus Concentration Plots

MW-22, MW-26, and MW-32

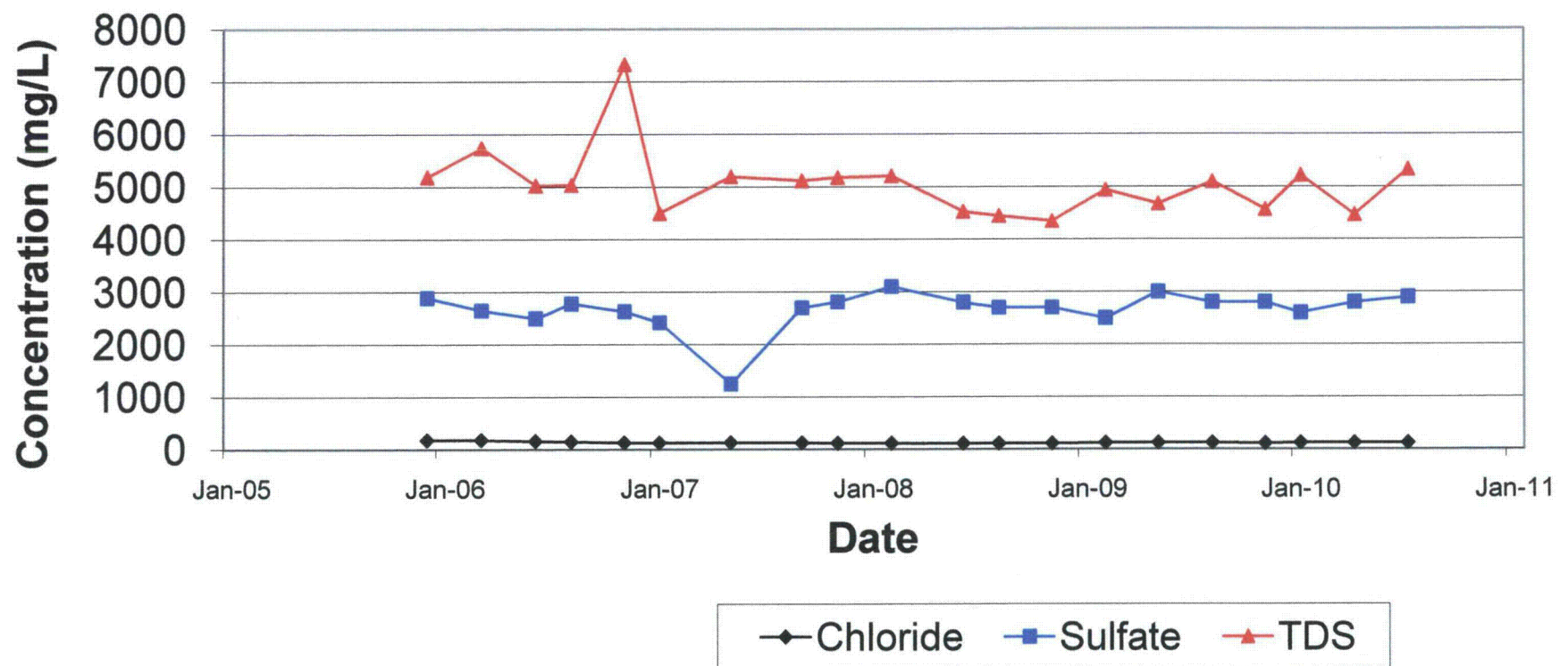
MW-22 Time Versus Concentration



MW-26
Time Versus Concentration



MW-32
Time Versus Concentration

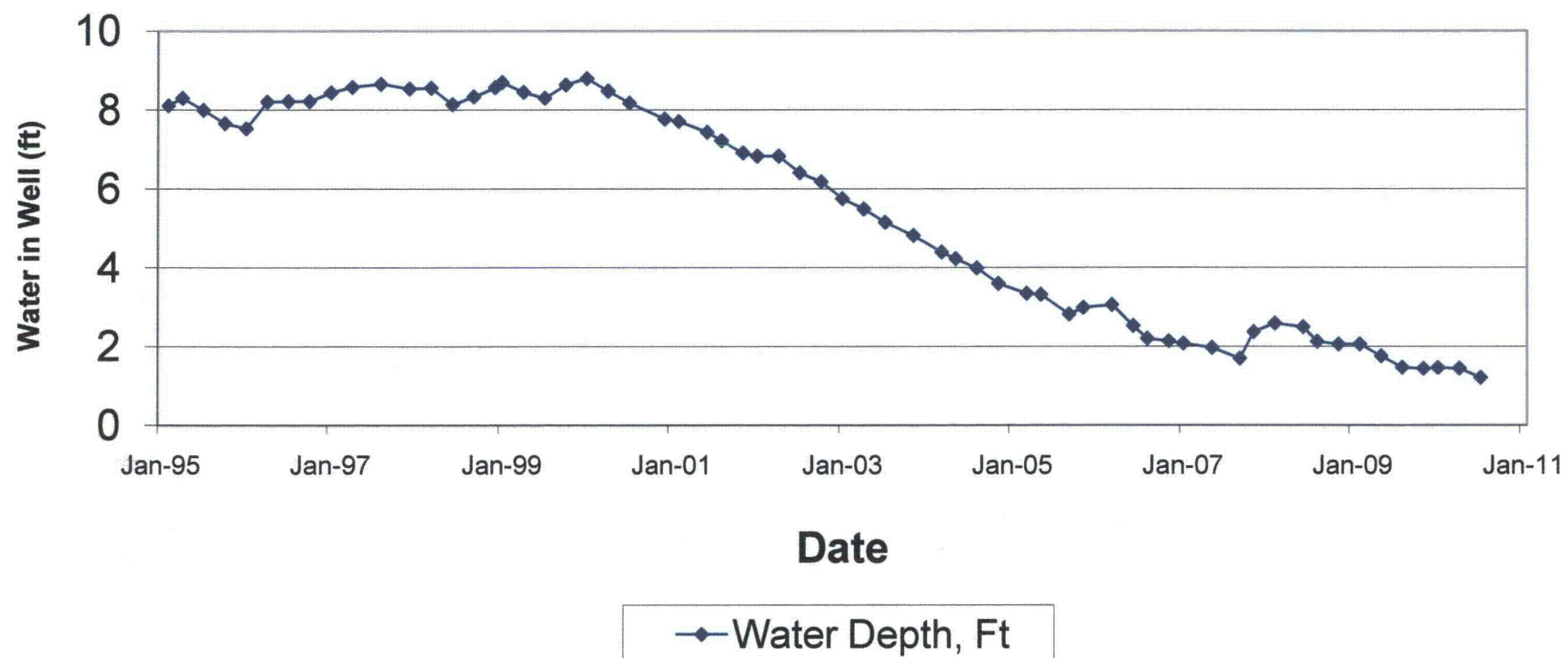


Hydrographs
DP-71 Well Network

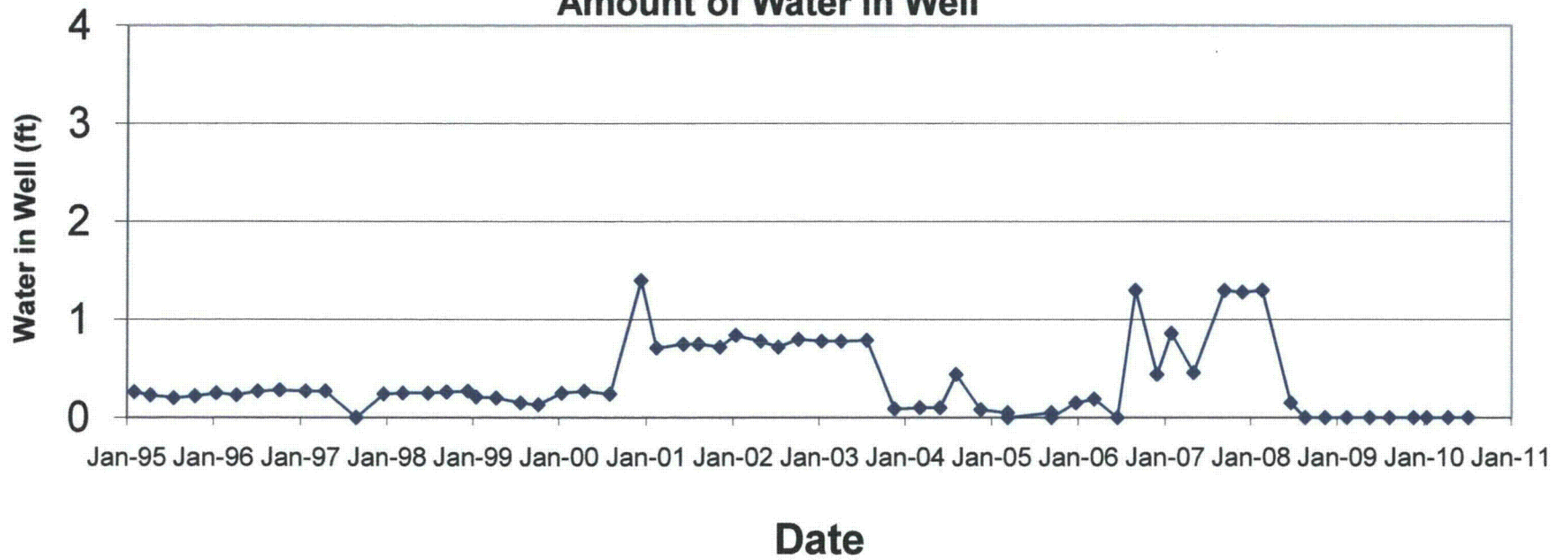
MW-22, MW-26, and MW-32

Since all other wells continue to be dry, Rio Algom wishes to incorporate the hydrographs for the other wells associated with DP-71 that were included within the April 3, 2006 submittal as part of this submittal.

MW-22 Amount of Water in Well

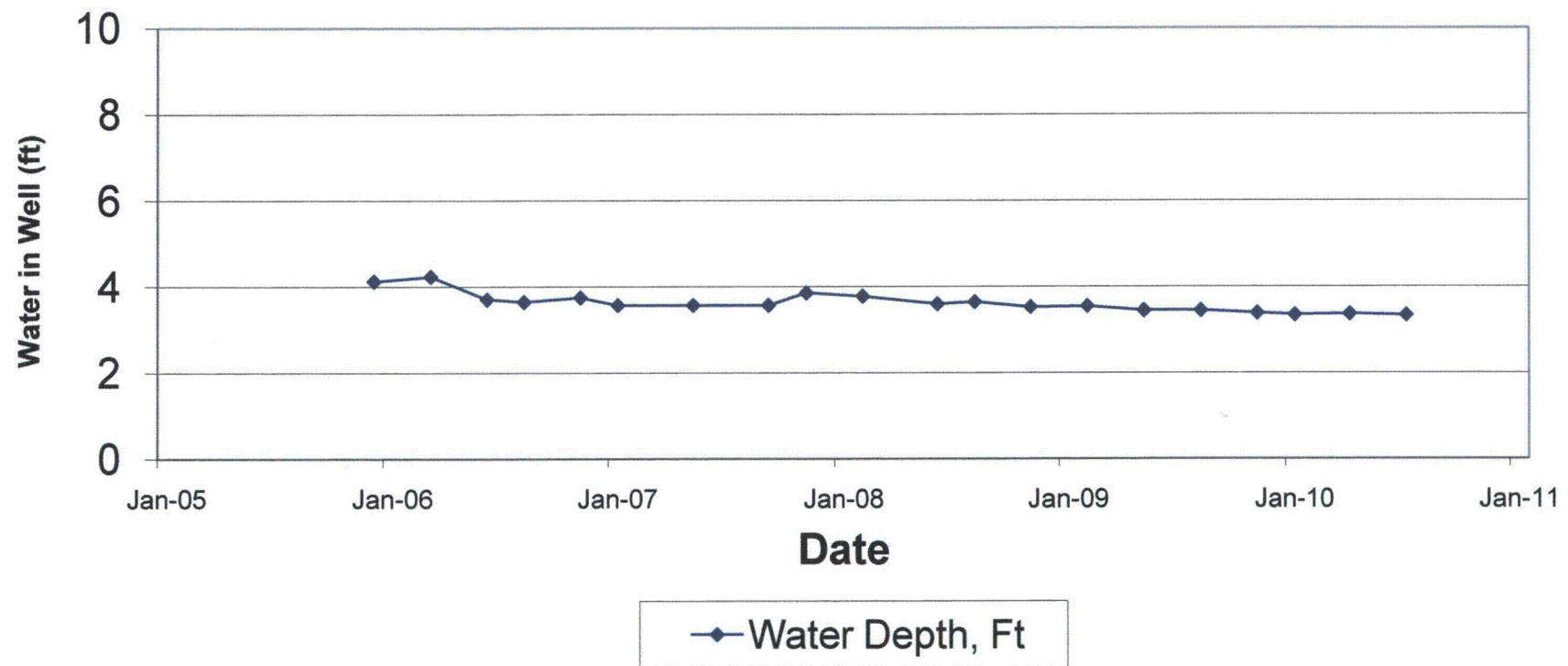


MW-26
Amount of Water in Well



—◆— Water Depth, Ft

MW-32
Amount of Water in Well



Laboratory Reports

DP-71

July 21, 2010

Report to:

Chuck Wentz
Rio Algom Mining Company
P.O. Box 218
Grants, NM 87020

Bill to:

Accounts Payable
Rio Algom Mining Company
P.O. Box 218
Grants, NM 87020

Project ID: 58195

ACZ Project ID: L83144

Chuck Wentz:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 08, 2010. This project has been assigned to ACZ's project number, L83144. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L83144. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 21, 2010. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed
and approved this report.



Rio Algom Mining Company

Project ID: 58195

Sample ID: MW-22

ACZ Sample ID: **L83144-01**

Date Sampled: 07/05/10 09:07

Date Received: 07/08/10

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	0.006	B		mg/L	0.003	0.01	07/13/10 8:09	msh
Selenium, dissolved	M200.8 ICP-MS	0.1350		*	mg/L	0.0005	0.001	07/13/10 8:09	msh
Uranium, dissolved	M200.8 ICP-MS	0.0309			mg/L	0.0005	0.003	07/13/10 8:09	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	130		*	mg/L	10	50	07/16/10 13:25	aml
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	21.9		*	mg/L	0.3	2	07/15/10 22:59	pjb
Residue, Filterable (TDS) @180C	SM2540C	5290		*	mg/L	10	20	07/08/10 15:07	jjc
Sulfate	375.4 - Turbidimetric	2900		*	mg/L	100	500	07/16/10 16:13	aml

Rio Algom Mining Company

Project ID: 58195

Sample ID: MW-32

ACZ Sample ID: **L83144-02**

Date Sampled: 07/05/10 10:20

Date Received: 07/08/10

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	0.007	B		mg/L	0.003	0.01	07/13/10 8:12	msh
Selenium, dissolved	M200.8 ICP-MS	0.3360		*	mg/L	0.0005	0.001	07/13/10 8:12	msh
Uranium, dissolved	M200.8 ICP-MS	0.0556			mg/L	0.0005	0.003	07/13/10 8:12	msh

Wet Chemistry

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Chloride	SM4500Cl-E	120		*	mg/L	10	50	07/16/10 13:25	aml
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	69.4		*	mg/L	0.6	3	07/15/10 23:01	pjb
Residue, Filterable (TDS) @180C	SM2540C	5330		*	mg/L	10	20	07/08/10 15:08	jjc
Sulfate	375.4 - Turbidimetric	2900		*	mg/L	100	500	07/16/10 16:13	aml

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Rio Algom Mining Company

Project ID: 58195

ACZ Project ID: L83144

Arsenic, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG285880													
WG285880ICV	ICV	07/13/10 6:57	MS100628-2	.05		.05285	mg/L	105.7	90	110			
WG285880ICB	ICB	07/13/10 7:00				U	mg/L		-0.0011	0.0011			
WG285880LFB	LFB	07/13/10 7:07	MS100708-2	.05005		.04773	mg/L	95.4	85	115			
L83142-06AS	AS	07/13/10 8:02	MS100708-2	.05005	.0007	.05719	mg/L	112.9	70	130			
L83142-06ASD	ASD	07/13/10 8:05	MS100708-2	.05005	.0007	.05885	mg/L	116.2	70	130	2.86	20	

Chloride

SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286183													
WG286183ICB	ICB	07/16/10 8:31				U	mg/L		-3	3			
WG286183ICV	ICV	07/16/10 8:31	WI091019-2	54.835		58.6	mg/L	106.9	90	110			
WG286183LFB1	LFB	07/16/10 13:08	WI100217-3	30		30.7	mg/L	102.3	90	110			
L83126-03AS	AS	07/16/10 13:10	WI100217-3	30	U	34.4	mg/L	114.7	90	110			M1
L83126-04DUP	DUP	07/16/10 13:10			U	U	mg/L				0	20	RA
WG286183LFB2	LFB	07/16/10 13:12	WI100217-3	30		31.7	mg/L	105.7	90	110			

Nitrate/Nitrite as N

M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286167													
WG286167ICV	ICV	07/15/10 22:01	WI100624-5	2.416		2.418	mg/L	100.1	90	110			
WG286167ICB	ICB	07/15/10 22:02				U	mg/L		-0.06	0.06			
WG286167LFB1	LFB	07/15/10 22:05	WI100319-1	2		2.115	mg/L	105.8	90	110			
L83037-01AS	AS	07/15/10 22:07	WI100319-1	2	U	2.139	mg/L	107	90	110			
L83091-01DUP	DUP	07/15/10 22:10			U	U	mg/L				0	20	RA
WG286167LFB2	LFB	07/15/10 22:47	WI100319-1	2		2.096	mg/L	104.8	90	110			
L83153-02AS	AS	07/15/10 22:49	WI100319-1	2	.58	2.708	mg/L	106.4	90	110			
L83163-01DUP	DUP	07/15/10 22:57			1.87	1.875	mg/L				0.3	20	

Residue, Filterable (TDS) @180C

SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG285703													
WG285703PBW	PBW	07/08/10 14:55				U	mg/L		-20	20			
WG285703LCSW	LCSW	07/08/10 14:55	PCN34809	260		250	mg/L	96.2	80	120			
L83149-03DUP	DUP	07/08/10 15:09			4310	4340	mg/L				0.7	20	

Selenium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG285880													
WG285880ICV	ICV	07/13/10 6:57	MS100628-2	.05		.05391	mg/L	107.8	90	110			
WG285880ICB	ICB	07/13/10 7:00				U	mg/L		-0.00022	0.00022			
WG285880LFB	LFB	07/13/10 7:07	MS100708-2	.05005		.04848	mg/L	96.9	85	115			
L83142-06AS	AS	07/13/10 8:02	MS100708-2	.05005	U	.06323	mg/L	126.3	70	130			
L83142-06ASD	ASD	07/13/10 8:05	MS100708-2	.05005	U	.06688	mg/L	133.6	70	130	5.61	20	MA

Rio Algom Mining Company

Project ID: 58195

ACZ Project ID: L83144

Sulfate

375.4 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG286232													
WG286232ICB	ICB	07/16/10 8:31				U	mg/L		-3	3			
WG286232ICV	ICV	07/16/10 8:31	W1100714-2	20		20.1	mg/L	100.5	90	110			
WG286232LFB	LFB	07/16/10 15:42	W1100506-1	10.04		10.2	mg/L	101.6	90	110			
L83122-01DUP	DUP	07/16/10 16:14			790	760	mg/L				3.9	20	
L83122-01AS	AS	07/16/10 16:14	SO4TURB50	10	790	784	mg/L	-60	90	110			M3

Uranium, dissolved

M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG285880													
WG285880ICV	ICV	07/13/10 6:57	MS100628-2	.05		.05337	mg/L	106.7	90	110			
WG285880ICB	ICB	07/13/10 7:00				U	mg/L		-0.00022	0.00022			
WG285880LFB	LFB	07/13/10 7:07	MS100708-2	.05		.04865	mg/L	97.3	85	115			
L83142-06AS	AS	07/13/10 8:02	MS100708-2	.05	.0022	.05771	mg/L	111	70	130			
L83142-06ASD	ASD	07/13/10 8:05	MS100708-2	.05	.0022	.05935	mg/L	114.3	70	130	2.8	20	

Rio Algom Mining Company

ACZ Project ID: **L83144**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L83144-01	WG285880	Selenium, dissolved	M200.8 ICP-MS	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
	WG286183	Chloride	SM4500Cl-E	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286167	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG285703	Residue, Filterable (TDS) @180C	SM2540C	ZO	Concentration is based on a final residue greater than 200 mg.
	WG286232	Sulfate	375.4 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L83144-02	WG285880	Selenium, dissolved	M200.8 ICP-MS	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
	WG286183	Chloride	SM4500Cl-E	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG286167	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG285703	Residue, Filterable (TDS) @180C	SM2540C	ZO	Concentration is based on a final residue greater than 200 mg.
	WG286232	Sulfate	375.4 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Rio Algom Mining Company

ACZ Project ID: **L83144**

No certification qualifiers associated with this analysis

Rio Algom Mining Company
58195

ACZ Project ID: L83144
Date Received: 07/08/2010 11:20
Received By: gac
Date Printed: 7/9/2010

Receipt Verification

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) Is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

YES	NO	NA
		X
X		
		X
X		
X		
X		
X		
X		
		X
		X
		X
		X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
Na11185	3.3	12

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

Rio Algom Mining Company
58195

ACZ Project ID: L83144
Date Received: 07/08/2010 11:20
Received By: gac
Date Printed: 7/9/2010

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L83144-01	MW-22		Y		Y							
L83144-02	MW-32		Y		Y							

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

ACZ**Laboratories, Inc.**

L83144

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name:

Chuck Wentz

Company:

Rio Algom Mining LLC

E-mail:

Address:

P.O. Box 218

Brants, N.M. 87020

Telephone:

505-287-8851

Copy of Report to:

Name:

E-mail:

Company:

Telephone:

Invoice to:

Name:

Address:

Company:

E-mail:

Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES

NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO"

is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:

Project ID #:

58195

Reporting state for compliance testing:

Sampler's Name:

Harold Sims

Are any samples NRC licensable material?

of Containers

*
20-719

SAMPLE IDENTIFICATION

DATE:TIME

Matrix

MW-22

7-05-10: 0907

4W

3

X

MW-32

7-05-10: 1020

4W

3

X

Matrix

SW (Surface Water) • GW (Ground Water) • WW (Waste Water) • DW (Drinking Water) • SL (Sludge) • SO (Soil) • OL (Oil) • Other

REMARKS/ SAMPLE DISCLOSURES

RAM COC# 10-47

SHIPPING OF (6)

NOTE: SEE ATTACHED SHEET (*)

Please Return RAM's white/blue Coder #4

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Harold Sims

7-06-10: 0800

HPL

7-8-10 11:20

PAGE

6
of
1

RIO ALGOM MINING LI - PROJECT CODES

ACL-ALL	ACL-TRB	ACL-TRA	ACL-KD	DP-71-Q	SEC 4 PONDS <small>see note</small>	DP-71-S
50/year	30/year	15/year	35/year	10/year	20/year	10/year
Chloride	Chloride	Chloride	Chloride	Chloride	Chloride	Chloride
Sulfate	Sulfate	Sulfate	Sulfate	Sulfate	Sulfate	Sulfate
TDS	TDS	TDS	TDS	TDS	TDS	TDS
Nitrate + Nitrite	Nitrate + Nitrite	Nitrate + Nitrite	Nitrate + Nitrite	Nitrate + Nitrite	Nitrate + Nitrite	Nitrate + Nitrite
Molybdenum	Cyanide	Cyanide	Antimony	Arsenic	Arsenic	Arsenic
Nickel	Molybdenum	Molybdenum	Arsenic	Selenium	Selenium	Selenium
Selenium	Nickel	Nickel	Beryllium	Uranium	Uranium	Uranium
Gross Alpha	Selenium	Selenium	Cadmium		Carbonate (CO ₃)	Carbonate (CO ₃)
Radium-226	Gross Alpha	Gross Alpha	Cyanide		Bicarbonate (HCO ₃)	Bicarbonate (HCO ₃)
Radium-228	Radium-226	Radium-226	Lead		Calcium	Calcium
Thorium-230	Radium-228	Radium-228	Molybdenum		Potassium	Potassium
Lead-210	Thorium-230	Thorium-230	Nickel		Magnesium	Magnesium
Uranium	Lead-210	Lead-210	Selenium		Sodium	Sodium
	Uranium	Uranium	Gross Alpha		Lead	Lead
			Radium-226		Nickel	Nickel
			Radium-228		Silver	Silver
			Thorium-230		Iron	Iron
			Lead-210		Molybdenum	Molybdenum
			Uranium		Zinc	Zinc
					Manganese	Manganese
					Copper	Copper
					Cobalt	Cobalt
					Chromium	Chromium
					Cadmium	Cadmium
					Aluminum	Aluminum
					Fluoride	Fluoride
					Radium-226	Radium-226
					Radium-228	Radium-228
					Total Kjeldal nitrogen	Total Kjeldal nitrogen

Wednesday, August 08, 2007
versions.

The Wednesday, August 08, 2007 product code replaces all previous