

Second Quarter Report 1982 - Uranerz U.S.A., Inc.
Docket #40-8783/License SUA-1401
28 June 1982
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INTRODUCTION

This second quarterly report 1982, will be (1) a status report on construction and (2) a report on additional data requested by the license stipulations or the NRC staff. The status report will be covered under separate topic headings, while the stipulations will be handled by individual number so that quick reference can be made back to the license document (SUA-1401).

The status of the amendments requested (stipulations #45 and #46) have been or are being completed at this time. The QA program was sent as a separate document (June 11, 1982); however, at this time review is pending in the NRC office. The Accident Plan has been prepared and is waiting management review and will be sent as a separate document.

Construction Report

On October 21, 1981, construction began at the Ruth ISL site. At that time, limited construction started by stripping the topsoil for road construction and wellfield drilling. The second phase of construction has started and at this time proceeding on schedule. UUS has requested a pond construction inspection the week of July 19, 1982. Construction completion is tentative for late summer.

Data Report

As stated in the INTRODUCTION, each stipulation requiring comment has been handled separately.

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Stipulation #13 - Additional Baseline Data
Paragraph #2 - Baseline Data

Appendix A has additional baseline data from all "baseline" wells.

Paragraph #4 - Well Completion Data

Well completion, due to weather, has been postponed until late July or August. Data or status will appear in the next quarterly report.

Stipulation #33
Radiological Pre-operational Baseline Data

Additional pre-operational data for the Ruth ISL site has been collected and submitted as Appendix A. Also, additional ambient radon data has been included in Appendix B.

There were problems with the PRM's during the previously recorded period reported in the last quarter report. Maintenance and repairs of the probes caused some erratic readings, but, as the data will show, they are operational again.

Also, during the winter months it is difficult to get to the PRM's to change the clips. The regular change-out schedule of one per month is difficult to keep; hopefully, now with better understanding by the landowner and the ability to travel those roads while wet, UUS will be able to maintain a constant schedule.

The data submitted in Appendix B has the results of the PRM's after repairs were made. The months of March and April were not recorded due to vandalism at the PRM sites. This has been taken care of and data now will appear on a monthly schedule.

Prior to injection of lixiviant, another pre-operational data base will be collected from the wellfield as described in the QA program and Table 3.2.01.

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Stipulation #36
Well Integrity Tests

No well integrity tests have been conducted at this time. Weather conditions postponed field work until late July or August.

Data will appear in the next quarterly report.

Stipulation #45
Quality Assurance Program

This program was sent as a separate submission to the NRC June 11, 1982. Response from the NRC is pending at this time.

Stipulation #46
Accident Plan

The accident plan has been rewritten completely to meet the standard format used in other license documents. This document is now waiting for approval of the Manager Solution Mining, who is returning from Germany. It will be submitted as a separate document for review as soon as possible.

Telephone communication with NRC's Project Leader, Ms. Cyndy Bryck, has been maintained as to the status of UUS's submittals.

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APPENDIX A

BASELINE WELL DATA

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Table 6.9, p.1b
 Baseline Water Quality Data For 20-Sand Aquifer
 1-M-20

Date Sampled	3/3/82
Temperature, C, Field	12.7
pH, Units, Field	8.6
pH, Units, Lab	8.5
Conductvity, umhos, Field-Ambient	400
Conductvity, umhos, Lab @ 68 F	480
TDS, Evaporation at 180 C	322
Sodium	108
Potassium	2
Calcium	8
Magnesium	1
Sulfate	97
Chloride	4
Carbonate	12
Bicarbonate	176
Hydroxide	NR
Total Milliequivalent Major Cations	5.23
Total Milliequivalent Major Anions	5.42
Absolute Value, Charged, Balance	0.02
Ammonia as N (0.10)	ND
Nitrate as N	.08
Fluoride (0.1)	.28
Total Alkalinity as CaCO3	165
Total Hardness as CaCO3	24
Boron	.16
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.01
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	.01
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	.001
Vanadium, V205, (0.05)	ND
Radium 226, piC/L (0.06)	2.8
Radium, Precision piC/L, +/-	.2

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - Not Reported.

The underlined data are considered as outliers and are not included in the calculations.

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Table 6.9, p.2b
 Baseline Water Quality Data For 20-Sand Aquifer
 4-M-20

Date Sampled	3/3/82
Temperature, C, Field	14.1
pH, Units, Field	8.6
pH, Units, Lab	8.4
Conductvity, umhos, Field-Ambient	450
Conductvity, umhos, Lab @ 68 F	510
TDS, Evaporation at 180 C	310
Sodium	121
Potassium	3
Calcium	8
Magnesium	1
Sulfate	112
Chloride	4
Carbonate	7
Bicarbonate	183
Hydroxide	NR
Total Milliequivalent Major Cations	5.82
Total Milliequivalent Major Anions	5.68
Absolute Value, Charged, Balance	0.01
Ammonia as N (0.10)	ND
Nitrate as N	.04
Fluoride (0.1)	.49
Total Alkalinity as CaCO3	162
Total Hardness as CaCO3	24
Boron	.13
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	ND
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	.006
Vanadium, V205, (0.05)	ND
Radium 226, piC/L (0.06)	20
Radium, Precision piC/L, +/-	2

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - Not Reported.

The underlined data are considered as outliers and are not included in the calculations.

Table 6.9, p.3b
 Baseline Water Quality Data For 20-Sand Aquifer
 5-M-20

Date Sampled	3/2/82
Temperature, C, Field	14.5
pH, Units, Field	8.2
pH, Units, Lab	8.3
Conductivity, umhos, Field-Ambient	430
Conductivity, umhos, Lab @ 68 F	510
TDS, Evaporation at 180 C	318
Sodium	111
Potassium	3
Calcium	9
Magnesium	1
Sulfate	120
Chloride	4
Carbonate	0
Bicarbonate	202
Hydroxide	NR
Total Milliequivalent Major Cations	5.44
Total Milliequivalent Major Anions	5.92
Absolute Value, Charged, Balance	0.04
Ammonia as N (0.10)	.24
Nitrate as N	ND
Fluoride (0.1)	.64
Total Alkalinity as CaCO3	166
Total Hardness as CaCO3	27
Boron	.15
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.01
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	.003
Vanadium, V205, (0.05)	ND
Radium 226, piC/L (0.06)	.7
Radium, Precision piC/L, +/-	.3

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - Not Reported

The underlined data are considered as outliers and are not included in the calculations.

Table 6.9, p.4b
 Baseline Water Quality Data For 20-Sand Aquifer
 7-M-20

Date Sampled	3/3/82
Temperature, C, Field	13
pH, Units, Field	8.5
pH, Units, Lab	8.4
Conductvity, umhos, Field-Ambient	400
Conductvity, umhos, Lab @ 68 F	480
TDS, Evaporation at 180 C	312
Sodium	111
Potassium	2
Calcium	9
Magnesium	1
Sulfate	95
Chloride	4
Carbonate	12
Bicarbonate	180
Hydroxide	NR
Total Milliequivalent Major Cations	5.41
Total Milliequivalent Major Anions	5.44
Absolute Value, Charged, Balance	0.00
Ammonia as N (0.10)	ND
Nitrate as N	.08
Fluoride (0.1)	.3
Total Alkalinity as CaCO3	168
Total Hardness as CaCO3	27
Boron	.13
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.01
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	.006
Vanadium, V205, (0.05)	ND
Radium 226, pCi/L (0.06)	13
Radium, Precision pCi/L, +/-	1

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - Not Reported.

The underlined data are considered as outliers and are not included in the calculations.

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Table 6.9, p.5b
 Baseline Water Quality Data For 20-Sand Aquifer
 4-L

Date Sampled	3/4/82
Temperature, C, Field	10.3
pH, Units, Field	8.2
pH, Units, Lab	8.2
Conductivity, umhos, Field-Ambient	390
Conductivity, umhos, Lab @ 68 F	500
TDS, Evaporation at 180 C	324
Sodium	119
Potassium	2
Calcium	9
Magnesium	1
Sulfate	101
Chloride	4
Carbonate	0
Bicarbonate	198
Hydroxide	NR
Total Milliequivalent Major Cations	5.76
Total Milliequivalent Major Anions	5.46
Absolute Value, Charged, Balance	0.03
Ammonia as N (0.10)	ND
Nitrate as N	.06
Fluoride (0.1)	.33
Total Alkalinity as CaCO ₃	163
Total Hardness as CaCO ₃	27
Boron	.15
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.02
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	.009
Vanadium, V205, (0.05)	ND
Radium 226, pCi/L (0.06)	218
Radium, Precision pCi/L, +/-	3

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - Not Reported.

The underlined data are considered as outliers and are not included in the calculations.

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Table 6.9, p.6b
 Baseline Water Quality Data For 20-Sand Aquifer
 8-L

Date Sampled	3/3/82
Temperature, C, Field	11.8
pH, Units, Field	8.4
pH, Units, Lab	8.3
Conductvity, umhos, Field-Ambient	400
Conductvity, umhos, Lab @ 68 F	480
TDS, Evaporation at 180 C	326
Sodium	110
Potassium	2
Calcium	9
Magnesium	1
Sulfate	103
Chloride	4
Carbonate	7
Bicarbonate	178
Hydroxide	NR
Total Milliequivalent Major Cations	5.37
Total Milliequivalent Major Anions	5.41
Absolute Value, Charged, Balance	0.00
Ammonia as N (0.10)	ND
Nitrate as N	.08
Fluoride (0.1)	.36
Total Alkalinity as CaCO3	158
Total Hardness as CaCO3	27
Boron	.13
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.02
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	.011
Vanadium, V205, (0.05)	ND
Radium 226, piC/L (0.06)	193
Radium, Precision piC/L, +/-	2

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - Not Reported.

The underlined data are considered as outliers and are not included in the calculations.

Table 6.10, p. 1b
 Baseline Water Quality Data For 20-Sand Aquifer
 1-M-30

Date Sampled	3/5/82
Temperature, C, Field	13.5
pH, Units, Field	9.2
pH, Units, Lab	9.2
Conductvity, umhos, Field-Ambient	510
Conductvity, umhos, Lab @ 68 F	540
TDS, Evaporation at 180 C	328
Sodium	135
Potassium	4
Calcium	5
Magnesium	1
Sulfate	91
Chloride	8
Carbonate	38
Bicarbonate	178
Hydroxide	NR
Total Milliequivalent Major Cations	6.31
Total Milliequivalent Major Anions	6.31
Absolute Value, Charged, Balance	0.00
Ammonia as N (0.10)	.12
Nitrate as N	.07
Fluoride (0.1)	1.07
Total Alkalinity as CaCO3	210
Total Hardness as CaCO3	17
Boron	.1
Aluminum (0.01)	.1
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.01
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	ND
Vanadium, V205, (0.05)	ND
Radium 226, piC/L (0.06)	1.6
Radium, Precision piC/L, +/-	.2

Analyses reported in milligrams per liter except where noted.
 () detection limit.

ND - not detected. NR - Not Reported.

The underlined data are considered as outliers and are not included in the calculations.

Table 6.11, p.1b
 Baseline Water Quality Data For 20-Sand Aquifer
 1-W-51

Date Sampled	3/5/82
Temperature, C, Field	11.1
pH, Units, Field	8.4
pH, Units, Lab	8.3
Conductivity, umhos, Field-Ambient	360
Conductivity, umhos, Lab @ 68 F	420
TDS, Evaporation at 180 C	260
Sodium	106
Potassium	2
Calcium	9
Magnesium	2
Sulfate	16
Chloride	6
Carbonate	0
Bicarbonate	288
Hydroxide	NR
Total Milliequivalent Major Cations	5.28
Total Milliequivalent Major Anions	5.22
Absolute Value, Charged, Balance	0.01
Ammonia as N (0.10)	ND
Nitrate as N	.05
Fluoride (0.1)	1.29
Total Alkalinity as CaCO3	236
Total Hardness as CaCO3	31
Boron	ND
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	.05
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.01
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	ND
Vanadium, V205, (0.05)	ND
Radium 226, pCi/L (0.06)	1.4
Radium, Precision pCi/L, +/-	.3

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

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Table 6.11, p.2b
 Baseline Water Quality Data For 20-Sand Aquifer
 1-M-51

Date Sampled	3/5/82
Temperature, C, Field	11.1
pH, Units, Field	8.3
pH, Units, Lab	8.1
Conductvity, umhos, Field-Ambient	390
Conductvity, umhos, Lab @ 68 F	470
TDS, Evaporation at 180 C	286
Sodium	109
Potassium	2
Calcium	11
Magnesium	2
Sulfate	16
Chloride	6
Carbonate	0
Bicarbonate	320
Hydroxide	NR
Total Milliequivalent Major Cations	5.51
Total Milliequivalent Major Anions	5.75
Absolute Value, Charged, Balance	0.02
Ammonia as N (0.10)	.1
Nitrate as N	.07
Fluoride (0.1)	1.27
Total Alkalinity as CaCO3	263
Total Hardness as CaCO3	36
Boron	ND
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	.06
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.02
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U3O8, (0.002)	.001
Vanadium, V2O5, (0.05)	ND
Radium 226, piC/L (0.06)	1.4
Radium, Precision piC/L, +/-	.2

Analyses reported in milligrams per liter except where noted.
 () detection limit.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

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Table 6.12, p.1b
 Baseline Water Quality Data For 20-Sand Aquifer
 1-M-10

Date Sampled	3/9/82
Temperature, C, Field	11.7
pH, Units, Field	8.4
pH, Units, Lab	8.6
Conductvity, umhos, Field-Ambient	350
Conductvity, umhos, Lab @ 68 F	420
TDS, Evaporation at 180 C	278
Sodium	110
Potassium	2
Calcium	7
Magnesium	1
Sulfate	28
Chloride	2
Carbonate	14
Bicarbonate	249
Hydroxide	-
Total Milliequivalent Major Cations	5.27
Total Milliequivalent Major Anions	5.19
Absolute Value, Charged, Balance	0.01
Ammonia as N (0.10)	.17
Nitrate as N	ND
Fluoride (0.1)	.66
Total Alkalinity as CaCO3	228
Total Hardness as CaCO3	22
Boron	ND
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	ND
Lead (0.05)	ND
Manganese (0.01)	.02
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	.001
Vanadium, V205, (0.05)	ND
Radium 226, piC/L (0.06)	1.8
Radium, Precision piC/L, +/-	.2

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

Table 6.13, p.1b
 Baseline Water Quality Data For 20-Sand Aquifer
 Moore South

Date Sampled	3/2/82
Temperature, C, Field	13.4
pH, Units, Field	8.2
pH, Units, Lab	8.4
Conductivity, umhos, Field-Ambient	450
Conductivity, umhos, Lab @ 68 F	480
TDS, Evaporation at 180 C	330
Sodium	112
Potassium	2
Calcium	9
Magnesium	1
Sulfate	84
Chloride	4
Carbonate	12
Bicarbonate	200
Hydroxide	NR
Total Milliequivalent Major Cations	5.45
Total Milliequivalent Major Anions	5.54
Absolute Value, Charged, Balance	0.01
Ammonia as N (0.10)	.1
Nitrate as N	.1
Fluoride (0.1)	.52
Total Alkalinity as CaCO3	184
Total Hardness as CaCO3	27
Boron	.13
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	.04
Lead (0.05)	ND
Manganese (0.01)	.03
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U308, (0.002)	ND
Vanadium, V205, (0.05)	ND
Radium 226, pCi/L (0.06)	.2
Radium, Precision pCi/L, +/-	.3

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

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Table 6.13, p.2b
 Baseline Water Quality Data For 20-Sand Aquifer
 Moore North

Date Sampled	3/2/82
Temperature, C, Field	11.4
pH, Units, Field	8.3
pH, Units, Lab	8.4
Conductvity, umhos, Field-Ambient	400
Conductvity, umhos, Lab @ 68 F	510
TDS, Evaporation at 180 C	334
Sodium	120
Potassium	2
Calcium	11
Magnesium	1
Sulfate	116
Chloride	4
Carbonate	12
Bicarbonate	180
Hydroxide	NR
Total Milliequivalent Major Cations	5.90
Total Milliequivalent Major Anions	5.88
Absolute Value, Charged, Balance	0.00
Ammonia as N (0.10)	ND
Nitrate as N	.1
Fluoride (0.1)	.55
Total Alkalinity as CaCO3	168
Total Hardness as CaCO3	32
Boron	ND
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	ND
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	.12
Lead (0.05)	ND
Manganese (0.01)	.02
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	ND
Molybdenum (0.01)	ND
Uranium, U3O8, (0.002)	.002
Vanadium, V2O5, (0.05)	ND
Radium 226, piC/L (0.06)	.8
Radium, Precision piC/L, +/-	.2

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

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Table 6.3b
 Baseline Water Quality Data For 20-Sand Aquifer
 Creek Downstream

Date Sampled	3/2/82
Temperature, C, Field	4.5
pH, Units, Field	6.6
pH, Units, Lab	7.5
Conductivity, umhos, Field-Ambient	2450
Conductivity, umhos, Lab @ 68 F	3325
TDS, Evaporation at 180 C	3406
Sodium	500
Potassium	10
Calcium	351
Magnesium	121
Sulfate	2000
Chloride	66
Carbonate	0
Bicarbonate	300
Hydroxide	NR
Total Milliequivalent Major Cations	49.63
Total Milliequivalent Major Anions	48.44
Absolute Value, Charged, Balance	0.01
Ammonia as N (0.10)	ND
Nitrate as N	.14
Fluoride (0.1)	.31
Total Alkalinity as CaCO3	246
Total Hardness as CaCO3	1373
Boron	ND
Aluminum (0.01)	ND
Arsenic (0.01)	ND
Barium (0.05)	ND
Cadmium (0.01)	.01
Chromium (0.05)	ND
Copper (0.02)	ND
Iron (0.03)	.04
Lead (0.05)	ND
Manganese (0.01)	3.03
Mercury (0.001)	ND
Nickel (0.04)	ND
Selenium (0.01)	ND
Zinc	.01
Molybdenum (0.01)	ND
Uranium, U3O8, (0.002)	.064
Vanadium, V2O5, (0.05)	ND
Radium 226, pCi/L (0.06)	2.2
Radium, Precision pCi/L, +/-	.3

Analyses reported in milligrams per liter except where noted.

() detection limit.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

APPENDIX B

ATMOSPHERIC RADON

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ATMOSPHERIC RADON

Ruth ISL Site

<u>Station</u>	<u>Monitoring Period</u>	<u>Radon Concentration</u> <u>pCi/l ± 2 sigmas</u>
East	2/17 (0900) - 3/18 (1110)	0.35 ± 0.06
West	2/17 (0930) - 3/18 (1030)	0.34 ± 0.06

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ATMOSPHERIC RADON

Ruth ISL Site

<u>Station</u>	<u>Monitoring Period</u>	<u>Radon Concentration pCi/l \pm 2 sigmas</u>
East	5/15 (0100) - 6/21 (1100)	0.29 \pm 0.05
West	5/15 (0130) - 6/21 (1130)	< 0.03*

*Theoretical lower limit of detection (LLD), although in actual field conditions the LLD of the PRMs is closer to 0.2 pCi/l. In actuality, no radon was detected at this site.