



CAMECO RESOURCES

Smith Ranch-Highland
Operation
Mail:
P.O. Box 1210
Glenrock, WY
82637 USA

Tel: (307) 358-6541
Fax: (307) 358-4533
www.cameco.com

May 31, 2012

Mr. Lowell Spackman
District I Supervisor
Land Quality Division
Wyoming Department of Environmental Quality
122 W. 25th Street
Cheyenne, WY 82002

CERTIFIED MAIL #7011 0470 0001 0202 1927 RETURN RECEIPT REQUESTED

RE: Excursion Report Summary Update, Cameco Resources, Smith Ranch-Highland Uranium Project, Permit 603 and 633

Dear Mr. Spackman:

Power Resources, Inc. d/b/a/ Cameco Resources (Cameco) is submitting the monthly Excursion Report Summary for the Smith Ranch-Highland Uranium Project. During the month of May no new excursions were reported. The Cameco Excursion Report table is attached. Monitor well DM-003, DM-010 and JM-007 remained on excursion from the month of April.

Chloride, alkalinity and conductivity levels in Monitor Well DM-003 show a decrease mid-May and then increased the last sample of the month. Chloride, alkalinity and conductivity levels in Monitor Well DM-010 showed an increase mid-May and then decreased the last sample of the month. Chloride, alkalinity and conductivity levels in Monitor Well JM-007 show a steady decrease with chloride being right at the UCL. Copies of the monitor well reports for these wells are attached. Also attached please find graphs tracking alkalinity, chloride, and conductivity trends for each well.

Cameco has installed the excursion remediation pumping wells in MU-D that were outlined and described in the Wellfield Restoration Modeling Report in the March monthly update. The three (3) wells are described on page 9 (RES-1P, RES-2P and RES-3P) and located in Table 4-1, of that report. The purpose of these three (3) wells is solely for the control and recovery of the excursion parameters at DM-003 and DM-010. The wells will be designated as DX-114, DX-115 and DX-116. The wells will not be used as injection wells and do not fall under Chapter 11 Rules & Regulations, Section 11 (b) requiring a notice of completion or inspection. Cameco will begin use of these wells in June of 2012 to expedite the control and recovery of excursion fluids.

Guideline 8 samples were collected on March 27, 2012 for Monitor Well JM-007. The results of that suite of samples are attached. Further investigation into the cause of excursion at this well continues and success is being realized. The chloride and conductivity values have been under the UCL's for two consecutive weeks.

Please contact me at 307-358-6541, ext. 476 or Kenneth_Garoutte@cameco.com if you have questions.

Respectfully,



Ken Garoutte
Safety, Health, Environment and Quality (SHEQ) Manager

KG/vg

Attachments: Cameco Resources Excursion Report
Monitor Well Report and Trend Graphs for DM-003
Monitor Well Report and Trend Graphs for DM-010
Monitor Well Report and Trend Graphs for JM-007

cc: File HUP 4.3.3.1 File SR 4.3.3.1
Special Volume: Monthly Excursion Reports Summary Updates, Permit 603 and 633
Mr. Doug Mandeville, NRC - CERTIFIED MAIL # 7011 0470 0001 0202 1934
Document Control Desk, NRC - CERTIFIED MAIL # 7011 0470 0001 0202 1941

ec: Cameco-Cheyenne

Cameco Resources Excursion Report
Permit Nos. 603 & 633
(May 2012)

Well Identification	Initial Sample Date	Confirmation Sample Date	Excursion Status (on/off)	Parameters Exceeded	Verbal Notification Date	Written Notification Date	Excursion Resolution Date	LQD Concurrence Notification Date
DM-003	11/19/2009	11/20/2009	ON	Chloride Alkalinity	11/23/2009	11/25/2009		
DM-010	6/3/2011	6/6/2011	ON	Chloride Alkalinity	6/7/2011	6/10/2011		
JM-007	2/29/2012	3/2/2012	ON	Chloride Alkalinity Conductivity	3/2/2012	3/2/2012		

ANALYTICAL SUMMARY REPORT

May 04, 2012

Power Resources dba Cameco Resources

PO Box 1210

Glenrock, WY 82637

Workorder No.: C12030962

Project Name: HUP

Energy Laboratories, Inc. Casper WY received the following 1 sample for Power Resources dba Cameco Resources on 3/28/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12030962-001	JM-007	03/27/12 13:58	03/28/12	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Metals Preparation by EPA 200.2 Gross Alpha, Gross Beta Radium 226, Dissolved Radium 228, Dissolved Solids, Total Dissolved

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

If you have any questions regarding these test results, please call.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: HUP
Lab ID: C12030962-001
Client Sample ID: JM-007

Report Date: 05/04/12
Collection Date: 03/27/12 13:58
Date Received: 03/28/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO ₃	ND	mg/L		5		A2320 B	03/29/12 11:05 / jba
Bicarbonate as HCO ₃	283	mg/L		5		A2320 B	03/29/12 11:05 / jba
Calcium	93	mg/L		1		E200.8	03/29/12 17:53 / smm
Chloride	18	mg/L		1		E300.0	04/05/12 07:33 / ljl
Fluoride	0.3	mg/L		0.1		A4500-F C	03/30/12 11:37 / jba
Magnesium	19	mg/L		1		E200.7	03/30/12 17:51 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH ₃ G	03/30/12 12:10 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/28/12 14:34 / dc
Potassium	8	mg/L		1		E200.8	03/29/12 17:53 / smm
Silica	19.4	mg/L		0.2		E200.7	03/30/12 17:51 / sf
Sodium	33	mg/L		1		E200.7	03/30/12 17:51 / sf
Sulfate	140	mg/L	D	2		E300.0	04/05/12 07:33 / ljl
PHYSICAL PROPERTIES							
Conductivity @ 25 C	734	umhos/cm		1		A2510 B	03/29/12 13:53 / ab
pH	7.79	s.u.	H	0.01		A4500-H B	03/29/12 13:53 / ab
Solids, Total Dissolved TDS @ 180 C	496	mg/L		10		A2540 C	03/29/12 07:51 / ab
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	03/30/12 17:51 / sf
Arsenic	ND	mg/L		0.001		E200.8	03/29/12 17:53 / smm
Barium	ND	mg/L		0.1		E200.8	03/29/12 17:53 / smm
Boron	ND	mg/L		0.1		E200.8	03/29/12 17:53 / smm
Cadmium	ND	mg/L		0.005		E200.8	03/29/12 17:53 / smm
Chromium	ND	mg/L		0.05		E200.8	03/29/12 17:53 / smm
Copper	ND	mg/L		0.01		E200.8	03/29/12 17:53 / smm
Iron	ND	mg/L		0.03		E200.8	03/29/12 17:53 / smm
Lead	ND	mg/L		0.001		E200.8	03/29/12 17:53 / smm
Manganese	0.03	mg/L		0.01		E200.8	03/29/12 17:53 / smm
Mercury	ND	mg/L		0.001		E200.8	03/29/12 17:53 / smm
Molybdenum	ND	mg/L		0.1		E200.7	03/30/12 17:51 / sf
Nickel	ND	mg/L		0.05		E200.8	03/29/12 17:53 / smm
Selenium	ND	mg/L		0.001		E200.8	03/29/12 17:53 / smm
Uranium	0.0254	mg/L		0.0003		E200.8	03/29/12 17:53 / smm
Vanadium	ND	mg/L		0.1		E200.8	03/29/12 17:53 / smm
Zinc	ND	mg/L		0.01		E200.7	03/30/12 17:51 / sf
METALS - TOTAL							
Iron	0.46	mg/L		0.03		E200.8	03/29/12 15:46 / smm
Manganese	0.04	mg/L		0.01		E200.8	03/29/12 15:46 / smm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources
Project: HUP
Lab ID: C12030962-001
Client Sample ID: JM-007

Report Date: 05/04/12
Collection Date: 03/27/12 13:58
Date Received: 03/28/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha	39.7	pCi/L			E900.0		05/02/12 23:31 / ep
Gross Alpha precision (±)	3.1	pCi/L			E900.0		05/02/12 23:31 / ep
Gross Alpha MDC	2.8	pCi/L			E900.0		05/02/12 23:31 / ep
Gross Beta	25.1	pCi/L			E900.0		05/02/12 23:31 / ep
Gross Beta precision (±)	2.8	pCi/L			E900.0		05/02/12 23:31 / ep
Gross Beta MDC	3.9	pCi/L			E900.0		05/02/12 23:31 / ep
Radium 226	4.3	pCi/L			E903.0		04/14/12 09:22 / lbb
Radium 226 precision (±)	0.47	pCi/L			E903.0		04/14/12 09:22 / lbb
Radium 226 MDC	0.22	pCi/L			E903.0		04/14/12 09:22 / lbb
Radium 228	2.7	pCi/L			RA-05		04/09/12 12:54 / plj
Radium 228 precision (±)	0.7	pCi/L			RA-05		04/09/12 12:54 / plj
Radium 228 MDC	1.0	pCi/L			RA-05		04/09/12 12:54 / plj
DATA QUALITY							
A/C Balance (± 5)	-1.58	%			Calculation		04/11/12 08:21 / kbh
Anions	8.06	meq/L			Calculation		04/11/12 08:21 / kbh
Cations	7.81	meq/L			Calculation		04/11/12 08:21 / kbh
Solids, Total Dissolved Calculated	474	mg/L			Calculation		04/11/12 08:21 / kbh
TDS Balance (0.80 - 1.20)	1.05				Calculation		04/11/12 08:21 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R157934
Sample ID: MBLK	3	Method Blank					Run: MANTECH_120329A			03/29/12 10:42
Alkalinity, Total as CaCO ₃		3.07	mg/L	5.0						
Carbonate as CO ₃		ND	mg/L	5.0						
Bicarbonate as HCO ₃		3.75	mg/L	5.0						
Sample ID: LCS-6677		Laboratory Control Sample					Run: MANTECH_120329A			03/29/12 10:57
Alkalinity, Total as CaCO ₃		202	mg/L	5.0	100	90	110			
Sample ID: C12030962-001ADUP	3	Sample Duplicate					Run: MANTECH_120329A			03/29/12 11:13
Alkalinity, Total as CaCO ₃		235	mg/L	5.0				1.3	10	
Carbonate as CO ₃		ND	mg/L	5.0					10	
Bicarbonate as HCO ₃		287	mg/L	5.0				1.3	10	
Sample ID: C12030973-001AMS		Sample Matrix Spike					Run: MANTECH_120329A			03/29/12 11:30
Alkalinity, Total as CaCO ₃		591	mg/L	5.0	108	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B							Analytical Run: PHSC_101-C_120329A			
Sample ID: SC 100		Continuing Calibration Verification Standard								03/29/12 08:45
Conductivity @ 25 C		98.5	umhos/cm	1.0	99	90	110			
Method: A2510 B							Batch: R157884			
Sample ID: SC 2ND 1413		Laboratory Control Sample								03/29/12 08:56
Conductivity @ 25 C		1390	umhos/cm	1.0	98	90	110			
Sample ID: MBLK		Method Blank								03/29/12 09:01
Conductivity @ 25 C		2	umhos/cm	0.2						
Sample ID: C12031007-002ADUP		Sample Duplicate								03/29/12 09:31
Conductivity @ 25 C		2800	umhos/cm	1.0				0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 120329_1_SLDS-TDS-W		
Sample ID: MBLK1_120329		Method Blank				Run: BAL-1_120329A		03/29/12 07:46		
Solids, Total Dissolved TDS @ 180 C	8		mg/L	4						
Sample ID: LCS1_120329		Laboratory Control Sample				Run: BAL-1_120329A		03/29/12 07:46		
Solids, Total Dissolved TDS @ 180 C	1660		mg/L	10	99	90	110			
Sample ID: C12030863-003ADUP		Sample Duplicate				Run: BAL-1_120329A		03/29/12 07:46		
Solids, Total Dissolved TDS @ 180 C	20300		mg/L	100				0.4	5	
Sample ID: C12030939-001AMS		Sample Matrix Spike				Run: BAL-1_120329A		03/29/12 07:49		
Solids, Total Dissolved TDS @ 180 C	2620		mg/L	10	99	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R157961
Sample ID: MBLK										
Method Blank										
Fluoride		ND	mg/L	0.01						Run: MANTECH_120330A 03/30/12 11:04
Sample ID: LCS-6622										
Laboratory Control Sample										
Fluoride		2.08	mg/L	0.10	104	90	110			Run: MANTECH_120330A 03/30/12 11:07
Sample ID: C12030939-001AMS										
Sample Matrix Spike										
Fluoride		2.16	mg/L	0.10	99	80	120			Run: MANTECH_120330A 03/30/12 11:23
Sample ID: C12030939-001AMSD										
Sample Matrix Spike Duplicate										
Fluoride		2.20	mg/L	0.10	101	80	120	1.8	10	Run: MANTECH_120330A 03/30/12 11:30

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Analytical Run: PHSC_101-C_120329A		
Sample ID: pH 6.86		Initial Calibration Verification Standard								03/29/12 08:43
pH		6.80	s.u.	0.010	99	98	102			
Method: A4500-H B								Batch: R157884		
Sample ID: C12031007-002ADUP		Sample Duplicate								03/29/12 09:31
pH		7.39	s.u.	0.010				0.0	3	

Qualifiers:

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ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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Gillette, WY 866-886-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R157955
Sample ID: MBLK-1		Method Blank								
Nitrogen, Ammonia as N		ND	mg/L	0.02						Run: TECHNICON_120330A 03/30/12 11:54
Sample ID: LCS-2		Laboratory Control Sample								
Nitrogen, Ammonia as N		2.04	mg/L	0.050	102	90	110			Run: TECHNICON_120330A 03/30/12 11:56
Sample ID: LFB-3		Laboratory Fortified Blank								
Nitrogen, Ammonia as N		2.00	mg/L	0.050	102	80	120			Run: TECHNICON_120330A 03/30/12 11:58
Sample ID: C12030935-001DMS		Sample Matrix Spike								
Nitrogen, Ammonia as N		5.88	mg/L	0.10	91	90	110			Run: TECHNICON_120330A 03/30/12 12:02
Sample ID: C12030935-001DMSD		Sample Matrix Spike Duplicate								
Nitrogen, Ammonia as N		5.91	mg/L	0.10	92	90	110	0.5	10	Run: TECHNICON_120330A 03/30/12 12:04

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Analytical Run: ICP2-C_120330A		
Sample ID: ICV	6	Initial Calibration Verification Standard							03/30/12 14:59	
Aluminum		4.95	mg/L	0.10	99	95	105			
Magnesium		48.4	mg/L	0.50	97	95	105			
Molybdenum		0.999	mg/L	0.10	100	95	105			
Silicon		10.4	mg/L	0.10	104	95	105			
Sodium		51.4	mg/L	0.50	103	95	105			
Zinc		1.00	mg/L	0.010	100	95	105			
Sample ID: ICSA	6	Interference Check Sample A							03/30/12 15:19	
Aluminum		551	mg/L	0.10	110	80	120			
Magnesium		543	mg/L	0.50	109	80	120			
Molybdenum		-0.0176	mg/L	0.10						
Silicon		-0.00120	mg/L	0.10						
Sodium		0.0946	mg/L	0.50						
Zinc		-0.00110	mg/L	0.010						
Sample ID: ICSAB	6	Interference Check Sample AB							03/30/12 15:23	
Aluminum		565	mg/L	0.10	113	80	120			
Magnesium		579	mg/L	0.50	116	80	120			
Molybdenum		-0.0208	mg/L	0.10						
Silicon		0.00100	mg/L	0.10						
Sodium		0.0536	mg/L	0.50						
Zinc		1.13	mg/L	0.010	113	80	120			
Method: E200.7								Batch: R157971		
Sample ID: MB-120330A	6	Method Blank							Run: ICP2-C_120330A 03/30/12 15:44	
Aluminum		ND	mg/L	0.01						
Magnesium		ND	mg/L	0.03						
Molybdenum		ND	mg/L	0.004						
Silicon		ND	mg/L	0.006						
Sodium		ND	mg/L	0.3						
Zinc		0.007	mg/L	0.002						
Sample ID: LFB-120330A	6	Laboratory Fortified Blank							Run: ICP2-C_120330A 03/30/12 15:48	
Aluminum		0.956	mg/L	0.10	96	85	115			
Magnesium		48.0	mg/L	0.50	96	85	115			
Molybdenum		0.981	mg/L	0.10	98	85	115			
Silicon		0.420	mg/L	0.10	93	85	115			
Sodium		48.7	mg/L	0.50	97	85	115			
Zinc		0.974	mg/L	0.010	97	85	115			
Sample ID: C12031044-001BMS2	6	Sample Matrix Spike							Run: ICP2-C_120330A 03/30/12 17:39	
Aluminum		0.976	mg/L	0.030	96	70	130			
Magnesium		51.7	mg/L	1.0	88	70	130			
Molybdenum		0.970	mg/L	0.0036	95	70	130			
Silicon		5.83	mg/L	0.10		70	130			A
Sodium		51.9	mg/L	1.0	92	70	130			
Zinc		0.990	mg/L	0.010	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R157971
Sample ID: C12031044-001BMSD										03/30/12 17:43
6 Sample Matrix Spike Duplicate										Run: ICP2-C_120330A
Aluminum		0.989	mg/L	0.030	97	70	130	1.3	20	
Magnesium		52.4	mg/L	1.0	89	70	130	1.4	20	
Molybdenum		0.968	mg/L	0.0036	95	70	130	0.2	20	
Silicon		5.95	mg/L	0.10		70	130	1.9	20	A
Sodium		51.8	mg/L	1.0	92	70	130	0.2	20	
Zinc		1.01	mg/L	0.010	99	70	130	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8						Analytical Run: ICPMS4-C_120329A				
Sample ID: ICV						16 Initial Calibration Verification Standard				
						03/29/12 12:32				
Arsenic		0.0503	mg/L	0.0010	101	90	110			
Barium		0.0488	mg/L	0.0010	98	90	110			
Boron		0.0513	mg/L	0.0010	103	90	110			
Cadmium		0.0494	mg/L	0.0010	99	90	110			
Calcium		9.72	mg/L	0.0066	97	90	110			
Chromium		0.0506	mg/L	0.0010	101	90	110			
Copper		0.0513	mg/L	0.0010	103	90	110			
Iron		1.04	mg/L	0.0010	104	90	110			
Lead		0.0489	mg/L	0.0010	98	90	110			
Manganese		0.0488	mg/L	0.0010	98	90	110			
Mercury		0.00512	mg/L	0.0010	102	90	110			
Nickel		0.0512	mg/L	0.0010	102	90	110			
Potassium		9.93	mg/L	0.0041	99	90	110			
Selenium		0.0512	mg/L	0.0010	102	90	110			
Uranium		0.0478	mg/L	0.00030	96	90	110			
Vanadium		0.0504	mg/L	0.0010	101	90	110			
Method: E200.8						Batch: R157941A				
Sample ID: C12030962-001CMS4						16 Sample Matrix Spike				
						Run: ICPMS4-C_120329A				
						03/29/12 16:21				
Arsenic		0.0502	mg/L	0.0010	100	70	130			
Barium		0.0784	mg/L	0.050	99	70	130			
Boron		0.119	mg/L	0.050	71	70	130			
Cadmium		0.0486	mg/L	0.0010	97	70	130			
Calcium		117	mg/L	1.0		70	130			A
Chromium		0.0498	mg/L	0.0050	100	70	130			
Copper		0.0483	mg/L	0.0050	96	70	130			
Iron		1.62	mg/L	0.030	93	70	130			
Lead		0.0494	mg/L	0.0010	99	70	130			
Manganese		0.0863	mg/L	0.0010	99	70	130			
Mercury		0.00507	mg/L	0.00010	99	70	130			
Nickel		0.0489	mg/L	0.0050	98	70	130			
Potassium		21.8	mg/L	1.0	97	70	130			
Selenium		0.0498	mg/L	0.0010	100	70	130			
Uranium		0.104	mg/L	0.00030	110	70	130			
Vanadium		0.0499	mg/L	0.010	100	70	130			
Sample ID: C12030962-001CMSD						16 Sample Matrix Spike Duplicate				
						Run: ICPMS4-C_120329A				
						03/29/12 16:28				
Arsenic		0.0585	mg/L	0.0010	116	70	130	15	20	
Barium		0.0861	mg/L	0.050	115	70	130	9.4	20	
Boron		0.126	mg/L	0.050	86	70	130	6.0	20	
Cadmium		0.0560	mg/L	0.0010	112	70	130	14	20	
Calcium		118	mg/L	1.0		70	130	1.3	20	A
Chromium		0.0578	mg/L	0.0050	116	70	130	15	20	
Copper		0.0561	mg/L	0.0050	112	70	130	15	20	
Iron		1.80	mg/L	0.030	107	70	130	11	20	
Lead		0.0574	mg/L	0.0010	115	70	130	15	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R157941A	
Sample ID: C12030962-001CMSD 16 Sample Matrix Spike Duplicate									Run: ICPMS4-C_120329A 03/29/12 16:28	
Manganese		0.0940	mg/L	0.0010	114	70	130	8.6	20	
Mercury		0.00583	mg/L	0.00010	115	70	130	14	20	
Nickel		0.0562	mg/L	0.0050	112	70	130	14	20	
Potassium		23.8	mg/L	1.0	113	70	130	8.6	20	
Selenium		0.0569	mg/L	0.0010	114	70	130	13	20	
Uranium		0.115	mg/L	0.00030	132	70	130	10	20	S
Vanadium		0.0580	mg/L	0.010	116	70	130	15	20	
Sample ID: LRB 16 Method Blank									Run: ICPMS4-C_120329A 03/29/12 13:28	
Arsenic		ND	mg/L	5E-05						
Barium		ND	mg/L	7E-05						
Boron		ND	mg/L	0.0004						
Cadmium		ND	mg/L	3E-05						
Calcium		ND	mg/L	0.007						
Chromium		5E-05	mg/L	4E-05						
Copper		ND	mg/L	3E-05						
Iron		0.0007	mg/L	0.0006						
Lead		ND	mg/L	2E-05						
Manganese		ND	mg/L	3E-05						
Mercury		ND	mg/L	5E-05						
Nickel		ND	mg/L	9E-05						
Potassium		0.005	mg/L	0.004						
Selenium		ND	mg/L	7E-05						
Uranium		4E-05	mg/L	9E-06						
Vanadium		ND	mg/L	4E-05						
Sample ID: LFB 16 Laboratory Fortified Blank									Run: ICPMS4-C_120329A 03/29/12 15:12	
Arsenic		0.0499	mg/L	0.0010	100	85	115			
Barium		0.0504	mg/L	0.0010	101	85	115			
Boron		0.0542	mg/L	0.0010	108	85	115			
Cadmium		0.0508	mg/L	0.0010	102	85	115			
Calcium		12.3	mg/L	0.0066	98	85	115			
Chromium		0.0511	mg/L	0.0010	102	85	115			
Copper		0.0512	mg/L	0.0010	102	85	115			
Iron		1.31	mg/L	0.0010	105	85	115			
Lead		0.0510	mg/L	0.0010	102	85	115			
Manganese		0.0518	mg/L	0.0010	104	85	115			
Mercury		0.00498	mg/L	0.0010	100	85	115			
Nickel		0.0511	mg/L	0.0010	102	85	115			
Potassium		12.6	mg/L	0.0041	101	85	115			
Selenium		0.0501	mg/L	0.0010	100	85	115			
Uranium		0.0503	mg/L	0.00030	101	85	115			
Vanadium		0.0507	mg/L	0.0010	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC2-C_120404A		
Sample ID: ICV-040412-10	2	Initial Calibration Verification Standard								04/04/12 13:56
Chloride		9.90	mg/L	1.0	99	90	110			
Sulfate		39.5	mg/L	1.0	99	90	110			
Sample ID: ICB2-040412-12	2	Initial Calibration Blank, Instrument Blank								04/04/12 14:26
Chloride		-0.0400	mg/L	1.0		0	0			
Sulfate		0.117	mg/L	1.0		0	0			
Method: E300.0								Batch: R158139		
Sample ID: ICB-040412-11	2	Method Blank				Run: IC2-C_120404A			04/04/12 14:11	
Chloride		ND	mg/L	0.03						
Sulfate		0.1	mg/L	0.10						
Sample ID: LFB-040412-13	2	Laboratory Fortified Blank				Run: IC2-C_120404A			04/04/12 14:42	
Chloride		10.0	mg/L	1.0	100	90	110			
Sulfate		39.6	mg/L	1.0	99	90	110			
Sample ID: LFB-040412-14	2	Laboratory Fortified Blank Duplicate				Run: IC2-C_120404A			04/04/12 14:57	
Chloride		10.1	mg/L	1.0	102	90	110	1.3	10	
Sulfate		40.1	mg/L	1.0	100	90	110	1.3	10	
Sample ID: C12030962-001AMS	2	Sample Matrix Spike				Run: IC2-C_120404A			04/05/12 07:49	
Chloride		37.5	mg/L	1.0	104	90	110			
Sulfate		211	mg/L	1.6	92	90	110			
Sample ID: C12030962-001AMSD	2	Sample Matrix Spike Duplicate				Run: IC2-C_120404A			04/05/12 08:05	
Chloride		37.6	mg/L	1.0	104	90	110	0.2	10	
Sulfate		212	mg/L	1.6	93	90	110	0.5	10	

- Matrix spike recoveries outside the acceptance range are considered matrix-related.

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R157873
Sample ID: MBLK-1										
		Method Blank				Run: TECHNICON_120328A		03/28/12 13:04		
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.06						
Sample ID: LCS-2										
		Laboratory Control Sample				Run: TECHNICON_120328A		03/28/12 13:07		
Nitrogen, Nitrate+Nitrite as N		2.53	mg/L	0.10	101	90	110			
Sample ID: LFB-3										
		Laboratory Fortified Blank				Run: TECHNICON_120328A		03/28/12 13:09		
Nitrogen, Nitrate+Nitrite as N		1.90	mg/L	0.10	97	90	110			
Sample ID: C12030980-001BMS										
		Sample Matrix Spike				Run: TECHNICON_120328A		03/28/12 14:47		
Nitrogen, Nitrate+Nitrite as N		4.68	mg/L	0.10	101	90	110			
Sample ID: C12030980-001BMDS										
		Sample Matrix Spike Duplicate				Run: TECHNICON_120328A		03/28/12 14:49		
Nitrogen, Nitrate+Nitrite as N		4.70	mg/L	0.10	102	90	110	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-1265
Sample ID: MB-GrAB-1265	6	Method Blank					Run: G542M_120425B		05/02/12 23:31	
Gross Alpha		-1	pCi/L							U
Gross Alpha precision (±)		0.6	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		-0.6	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Sample ID: Th230-GrAB-1265		Laboratory Control Sample					Run: G542M_120425B		05/02/12 23:31	
Gross Alpha		105	pCi/L	104		80	120			
Sample ID: Cs137-GrAB-1265		Laboratory Control Sample					Run: G542M_120425B		05/02/12 23:31	
Gross Beta		155	pCi/L	97		80	120			
Sample ID: C12030619-001DDUP	6	Sample Duplicate					Run: G542M_120425B		05/02/12 23:31	
Gross Alpha		150	pCi/L					0.6	21	
Gross Alpha precision (±)		8.27	pCi/L							
Gross Alpha MDC		6.04	pCi/L							
Gross Beta		81.1	pCi/L					4.1	19.5	
Gross Beta precision (±)		3.80	pCi/L							
Gross Beta MDC		4.24	pCi/L							
Sample ID: C12031035-001EMS		Sample Matrix Spike					Run: G542M_120425B		05/02/12 23:31	
Gross Alpha		116	pCi/L	111		70	130			
Sample ID: C12031035-001EMSD		Sample Matrix Spike Duplicate					Run: G542M_120425B		05/02/12 23:31	
Gross Alpha		133	pCi/L	127		70	130	13	16	
Sample ID: C12031035-001EMS		Sample Matrix Spike					Run: G542M_120425B		05/03/12 11:40	
Gross Beta		163	pCi/L	98		70	130			
Sample ID: C12031035-001EMSD		Sample Matrix Spike Duplicate					Run: G542M_120425B		05/03/12 11:40	
Gross Beta		170	pCi/L	102		70	130	4.0	14.2	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA226-5914	
Sample ID: LCS-RA226-5914		Laboratory Control Sample				Run: BERTHOLD 770-2_120402B			04/14/12 09:22	
Radium 226		5.7	pCi/L		93	80	120			
Sample ID: MB-RA226-5914		3	Method Blank			Run: BERTHOLD 770-2_120402B			04/14/12 09:22	
Radium 226		-0.2	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.3	pCi/L							
Sample ID: C12031056-001GMS		Sample Matrix Spike				Run: BERTHOLD 770-2_120402B			04/14/12 09:22	
Radium 226		12.9	pCi/L		102	70	130			
Sample ID: C12031056-001GMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_120402B			04/14/12 09:22	
Radium 226		14.4	pCi/L		115	70	130	10	27.7	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Power Resources dba Cameco Resources

Report Date: 05/04/12

Project: HUP

Work Order: C12030962

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA228-4056	
Sample ID: LCS-228-RA226-5914		Laboratory Control Sample				Run: TENNELEC-3_120402A			04/09/12 12:54	
Radium 228		6.08	pCi/L		96	80	120			
Sample ID: MB-RA226-5914		3	Method Blank			Run: TENNELEC-3_120402A			04/09/12 12:54	
Radium 228		0.2	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Sample ID: C12031079-002FMS		Sample Matrix Spike				Run: TENNELEC-3_120402A			04/09/12 12:54	
Radium 228		12.8	pCi/L		101	70	130			
Sample ID: C12031079-002FMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_120402A			04/09/12 12:54	
Radium 228		12.9	pCi/L		102	70	130	1.1	39.5	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Workorder Receipt Checklist



C12030962

Login completed by: Debra Williams

Date Received: 3/28/2012

Reviewed by: BL2000\cwagner

Received by: dw

Reviewed Date: 4/2/2012

Carrier Hand Del
name:

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	14.4°C No Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-003

<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO₃)</i>	<i>Conductivity (μMhos/cm)</i>	<i>U₃O₈ (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
	18	188	962			
05/22/2012	26	243	942	0	5079.2	
05/15/2012	23	233	909	0	5074.3	
05/08/2012	25	252	911	0	5080.2	
05/01/2012	25	252	966	0	5080.4	
04/24/2012	25	255	971	0	5080.2	
04/17/2012	24	249	980	0	5078.8	
04/10/2012	24	253	943	0	5078.6	
04/03/2012	24	251	943	0	5079.6	
03/27/2012	23	243	943	0	5081.4	
03/20/2012	22	240	927	0	5081.4	
03/13/2012	23	242	919	0	5087.2	
03/06/2012	24	246	929	0	5091.5	
02/28/2012	24	246	931	0	5093.4	
02/21/2012	23	242	961	0	5091.8	
02/14/2012	24	247	903	0	5094.3	
02/07/2012	23	240	890	0	5094.1	
01/31/2012	23	239	921	0	5095.8	
01/24/2012	23	242	921	0	5095.8	
01/17/2012	23	235	954	0	5094.0	
01/10/2012	22	237	942	0	5091.3	
01/03/2012	22	235	893	0	5091.6	
12/27/2011	21	233	839	0	5092.0	
12/20/2011	22	233	879	0	5095.9	

05/29/2012



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-003

NRC/WDEQ UCL	Chloride (mg/L)	Alkalinity (mg/L CaCO₃)	Conductivity (µMhos/cm)	U₃O₈ (mg/L)	Water Elevation	Comment
	18	188	962			
12/13/2011	22	233	855	0	5097.8	Uranium below .5
12/06/2011	22	233	869	0	5094.6	Uranium Below Detection Limit
11/29/2011	21	231	857	0	5093.4	Uranium below .5
11/22/2011	22	229	867	0	5093.5	Uranium below .5
11/15/2011	22	232	934	0	5095.0	Uranium Below Detection Limit
11/08/2011	22	232	940	0	5096.2	Uranium Below Detection Limit
11/01/2011	21	235	936	0	5103.0	Uranium below .5
10/26/2011	21	233	927	0	5097.5	Uranium Below Detection Limit
10/19/2011	21	229	928	0	5095.4	Uranium Below Detection Limit
10/11/2011	21	226	937	0	5095.4	Uranium below .5
10/04/2011	21	232	919	0	5094.0	Uranium Below Detection Limit
09/27/2011	22	237	955	0	5093.5	Uranium Below Detection Limit
09/20/2011	22	236	938	0	5094.6	Uranium Below Detection Limit
09/13/2011	21	232	859	0	5094.8	Uranium below .5
09/06/2011	22	233	906	0	5095.3	Uranium below .5
08/23/2011	22	235	922	0	5099.6	Uranium Below Detection Limit
08/16/2011	22	234	855	0	5099.6	Uranium below .5
08/09/2011	22	234	934	0	5103.4	Uranium below .5
08/02/2011	22	236	942	0	5104.4	Uranium Below Detection Limit
07/26/2011	22	238	897	0	5107.9	Uranium below .5
07/19/2011	23	238	937	0	5112.6	Uranium below detection limit
07/12/2011	23	241	948	0	5110.3	Uranium below detection limit
07/05/2011	23	242	911	0	5106.8	Uranium below detection limit

05/29/2012



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-003

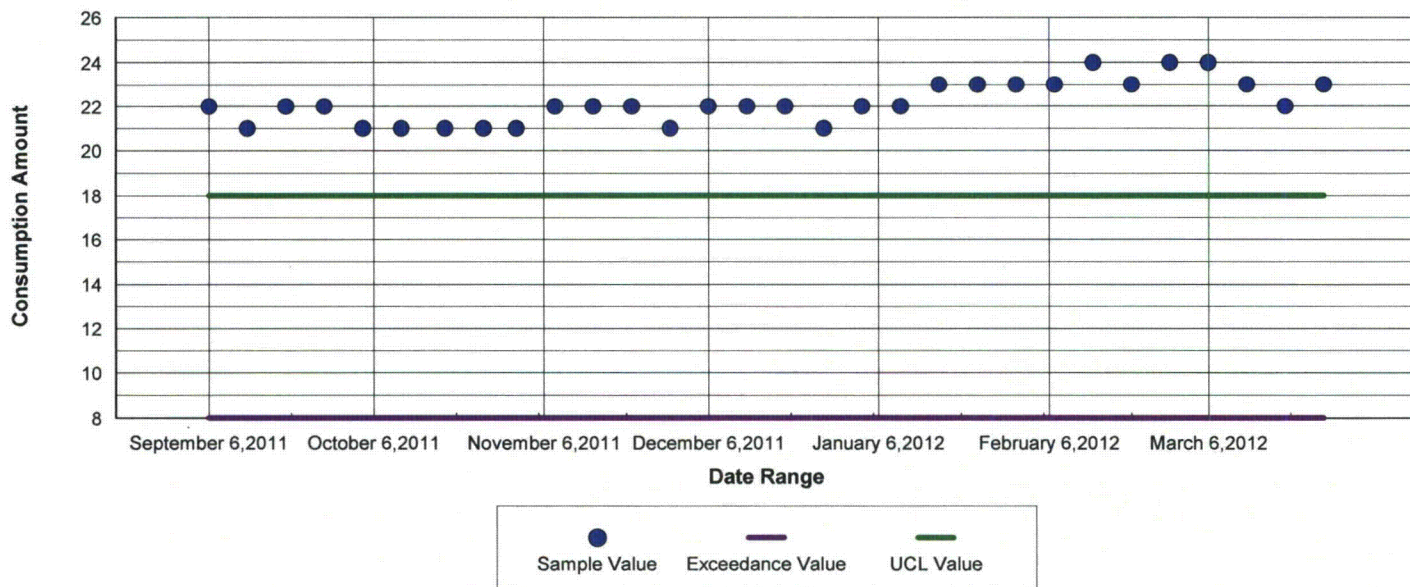
NRC/WDEQ UCL	Chloride (mg/L)	Alkalinity (mg/L CaCO₃)	Conductivity (µMhos/cm)	U₃O₈ (mg/L)	Water Elevation	Comment
	18	188	962			
06/28/2011	23	243	883	0	5102.6	Uranium below detection limit
06/20/2011	23	245	926	0	5093.9	Uranium below .5
06/14/2011	22	238	913	0	5095.4	Uranium below .5
06/07/2011	23	238	929	0	5099.1	Uranium below detection limit

05/29/2012



Cameco Resources
Smith Ranch - Highland

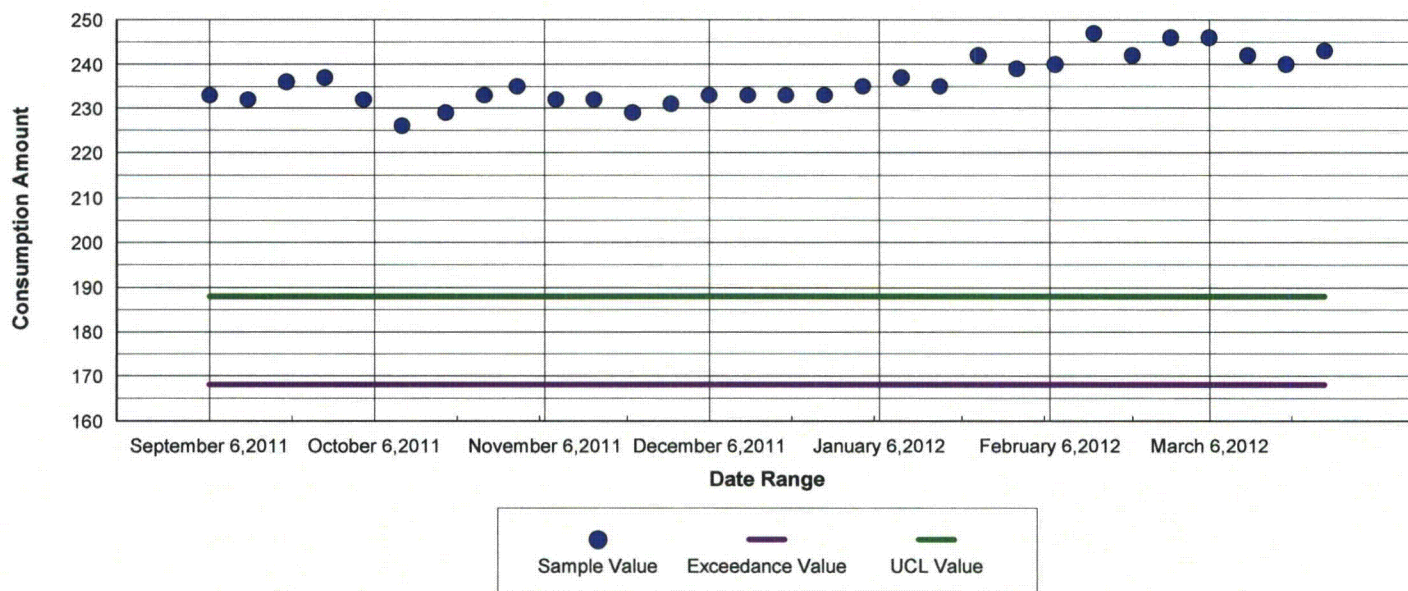
Chloride
Trending Analysis
Well : DM-003

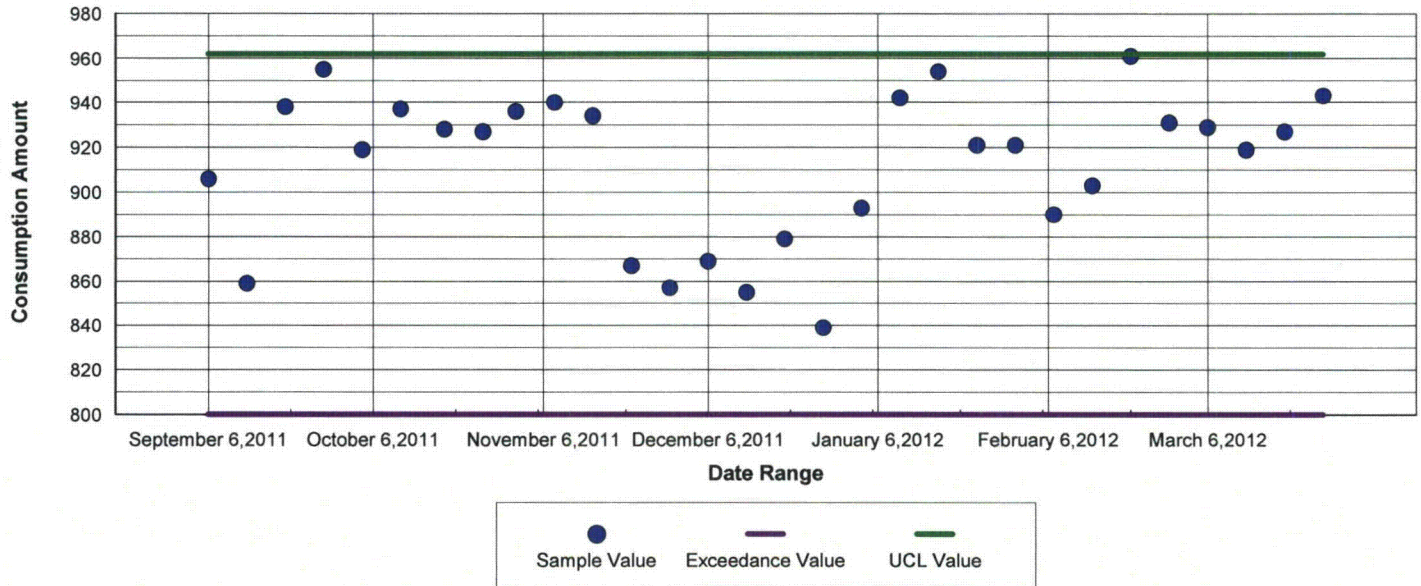




Cameco Resources
Smith Ranch - Highland

Alkalinity Trending Analysis Well : DM-003







Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-010

<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO₃)</i>	<i>Conductivity (μMhos/cm)</i>	<i>U₃O₈ (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
	18	188	962			
05/22/2012	22	233	921	0	5085.6	
05/15/2012	26	254	943	0	5089.4	
05/08/2012	22	233	905	0	5090.4	
05/01/2012	22	236	924	0	5094.3	
04/24/2012	22	238	966	0	5093.1	
04/17/2012	21	236	939	0	5091.0	
04/10/2012	21	240	927	0	5090.6	
04/03/2012	21	235	954	0	5090.2	
03/27/2012	21	237	949	0	5091.9	
03/20/2012	21	233	963	0	5098.0	
03/13/2012	21	239	954	0	5103.4	
03/06/2012	22	232	923	0	5105.2	
02/28/2012	20	233	945	0	5105.4	
02/21/2012	22	236	907	0	5104.2	
02/14/2012	20	233	967	0	5105.0	
02/07/2012	20	228	933	0	5095.4	
01/31/2012	20	226	880	0	5091.6	
01/24/2012	20	224	916	0	5090.7	
01/17/2012	20	227	949	0	5092.2	
01/10/2012	20	228	930	0	5094.0	
01/03/2012	20	229	936	0	5092.0	
12/27/2011	20	230	901	0	5094.7	
12/20/2011	20	231	942	0	5087.1	

05/29/2012



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-010

NRC/WDEQ UCL	Chloride (mg/L)	Alkalinity (mg/L CaCO₃)	Conductivity (μMhos/cm)	U₃O₈ (mg/L)	Water Elevation	Comment
	18	188	962			
12/13/2011	20	235	872	0	5092.9	Uranium below .5
12/06/2011	21	236	920	0	5083.3	Uranium below detection limit
11/29/2011	21	236	889	0	5072.4	Uranium below .5
11/22/2011	22	236	875	0	5066.0	Uranium below .5
11/15/2011	23	241	913	0	5068.0	Uranium below .5
11/08/2011	23	242	984	0	5085.4	Uranium below detection limit
11/01/2011	24	246	992	0	5081.1	Uranium below .5
10/25/2011	23	243	984	0	5084.7	Uranium below .5
10/19/2011	23	240	977	0	5056.2	Uranium below detection limit
10/11/2011	22	230	986	0	5059.0	Uranium below .5
10/04/2011	24	240	945	0	5055.4	Uranium below detection limit
09/27/2011	24	244	959	0	5053.6	Uranium below detection limit
09/20/2011	25	243	989	0	5051.2	Uranium below detection limit
09/13/2011	25	235	904	0	5046.9	Uranium below .5
09/06/2011	26	238	963	0	5054.6	Uranium below detection limit
08/23/2011	27	242	979	0	5067.7	Uranium below detection limit
08/16/2011	27	246	920	0	5074.4	Uranium below detection limit
08/09/2011	26	241	988	0	5064.0	Uranium below detection limit
08/02/2011	30	246	1016	0	5058.2	Uranium below detection limit
07/26/2011	32	254	1025	0	5055.6	Uranium below .5
07/19/2011	35	265	1052	0	5115.4	Uranium below detection limit
07/11/2011	35	263	1002	0	5112.5	Uranium below .5
07/05/2011	34	259	1045	0	5109.2	Uranium below detection limit

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Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: DM-010

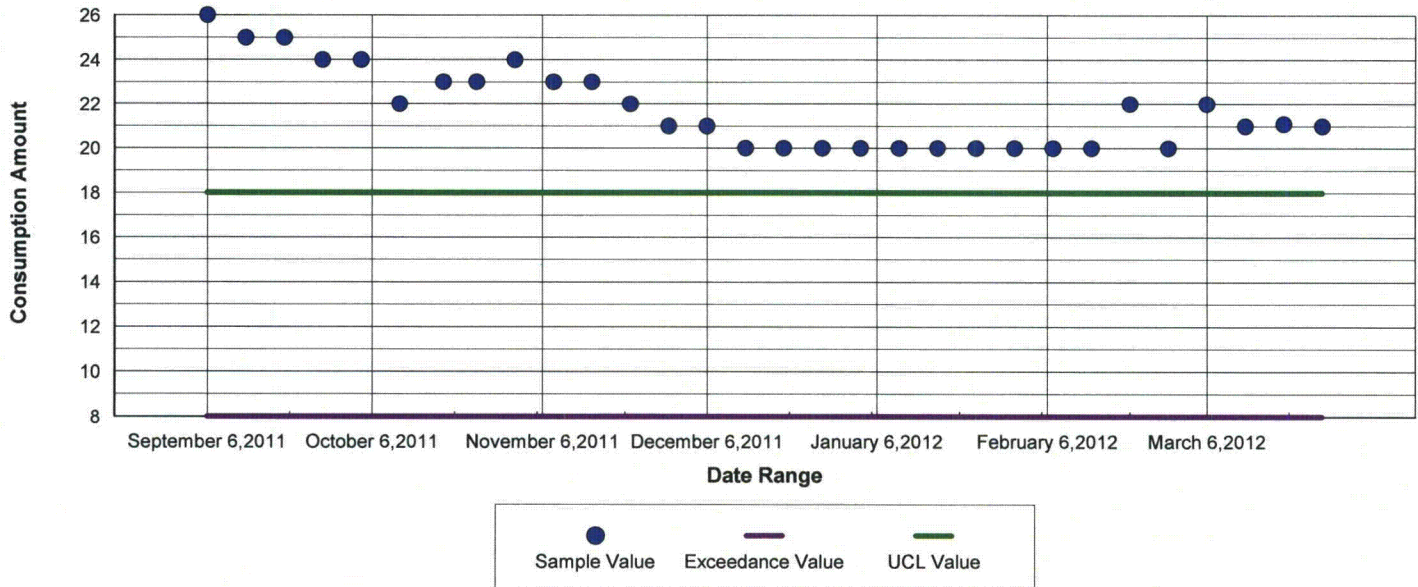
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NRC/WDEQ UCL	18	188	962			
06/30/2011	32	256	1040	0	5080.3	Uranium below detection limit
06/20/2011	33	258	990	0	5078.4	Uranium below detection limit
06/14/2011	31	252	1002	0	5067.8	Uranium below detection limit
06/06/2011	30	243	947	0	5067.9	Uranium below detection limit
06/03/2011	29	231	968		5061.4	
06/01/2011	19	14	537		5060.7	Resample & Retest

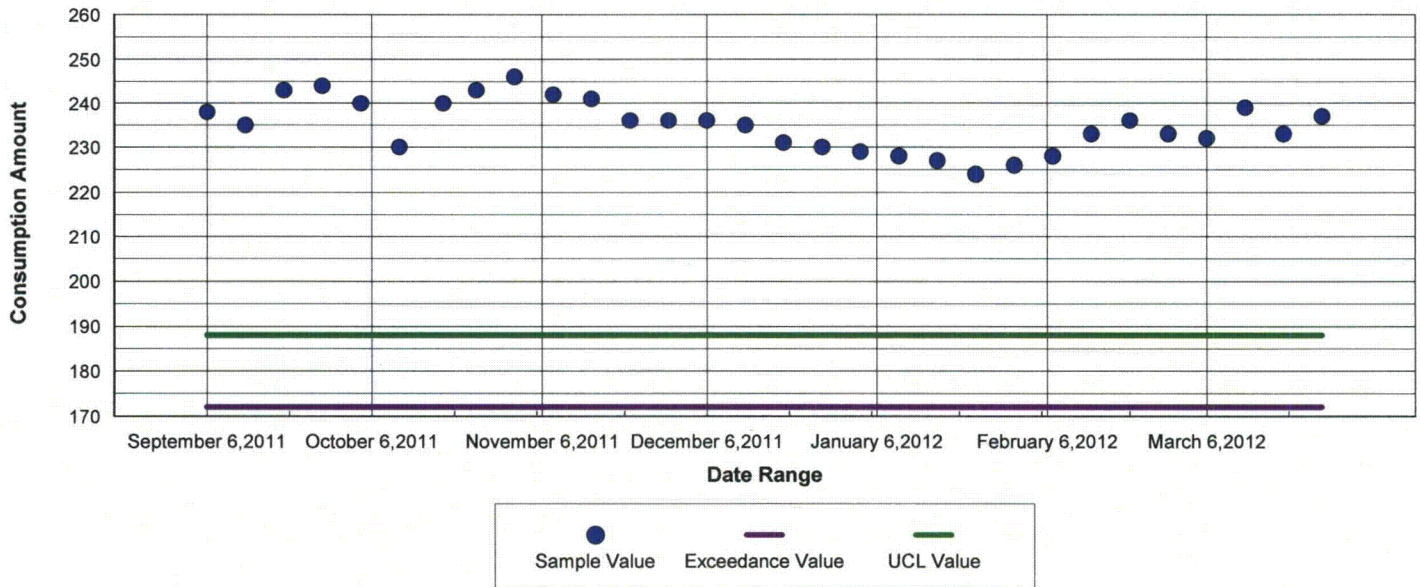
05/29/2012



Cameco Resources
Smith Ranch - Highland

Chloride
Trending Analysis
Well : DM-010

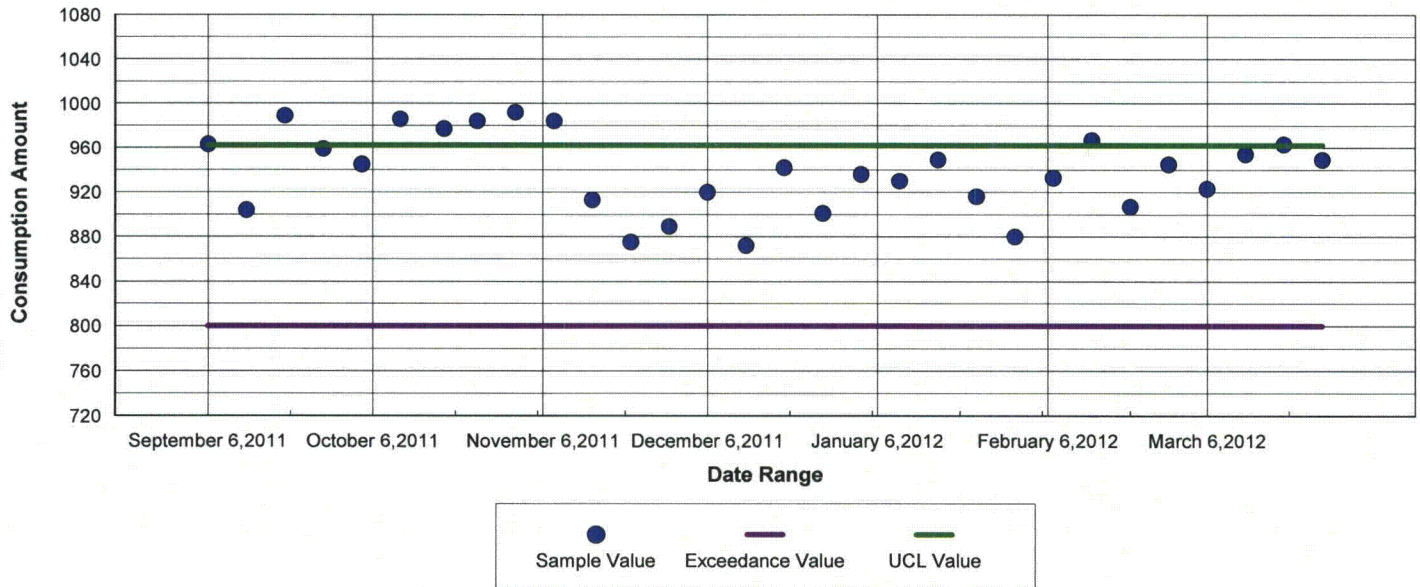






Cameco Resources
Smith Ranch - Highland

Conductivity Trending Analysis Well : DM-010





Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: JM-007

	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO₃)</i>	<i>Conductivity (μMhos/cm)</i>	<i>U₃O₈ (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
<i>NRC/WDEQ UCL</i>	18	230	769			
05/29/2012	17	238	737	0	5242.0	
05/22/2012	18	249	750	0	5238.6	
05/15/2012	19	245	780	0	5235.4	
05/08/2012	24	271	858	0	5231.0	
05/01/2012	27	280	890	0	5237.0	
04/24/2012	33	303	973	0	5246.2	
04/17/2012	20	254	781	0	5244.8	
04/10/2012	17	241	729	0	5240.9	
04/03/2012	18	245	785	0	5242.3	
03/27/2012	16	233	752	0	5268.4	
03/20/2012	18	240	772	0	5239.9	
03/13/2012	26	280	866	0	5250.6	
03/07/2012	33	274	924	0	5275.6	
03/02/2012	23	257	801	0	5262.6	
02/29/2012	23	256	824		5258.4	
02/14/2012	17	233	766	0	5254.0	
02/07/2012	18	234	714	0	5259.2	
01/31/2012	31	286	854	0	5255.6	
01/24/2012	37	305	964	0	5246.6	
01/16/2012	24	259	795	0	5253.0	
01/13/2012	24	256	794		5253.0	
12/29/2011	16	227	669		5243.1	
12/28/2011	16	229	686	0	5233.9	

06/01/2012



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: JM-007

<i>NRC/WDEQ UCL</i>	<i>Chloride (mg/L)</i>	<i>Alkalinity (mg/L CaCO₃)</i>	<i>Conductivity (µMhos/cm)</i>	<i>U₃O₈ (mg/L)</i>	<i>Water Elevation</i>	<i>Comment</i>
	18	230	769			
12/27/2011	22	249	766		5235.5	
12/12/2011	16	230	747	0	5266.3	Uranium below detection limit
12/09/2011	18	231	723	0	5264.7	Uranium below .5ppm
12/08/2011	20	242	748		5266.7	
11/22/2011	18	232	720		5262.0	
11/09/2011	17	231	717		5252.6	
10/27/2011	15	222	680		5240.6	
10/14/2011	15	218	722		5237.2	
10/04/2011	16	220	688	0	5242.8	Uranium below detection limit
10/03/2011	16	221	735	0	5242.2	Uranium below detection limit
09/30/2011	33	283	881		5242.2	
09/19/2011	16	222	693		5244.7	
09/06/2011	16	220	692	0	5244.8	Uranium below detection limit
08/25/2011	15	215	677	0	5247.6	Uranium below detection limit
08/24/2011	16	220	690	0	5247.6	Uranium below detection limit
08/23/2011	22	242	766		5248.9	
08/10/2011	18	229	735		5252.9	
07/29/2011	18	223	723		5250.6	
07/18/2011	15	214	692	0	5258.8	Uranium below detection limit
07/15/2011	16	216	717	0	5253.6	Uranium below detection limit
07/14/2011	20	231	738		5250.8	
07/05/2011	17	221	713	0	5156.4	Uranium below detection limit
07/01/2011	18	225	727	0	5244.3	Uranium below .5

06/01/2012



Cameco Resources
Smith Ranch - Highland Operation
Monitor Well Report

Well ID: JM-007

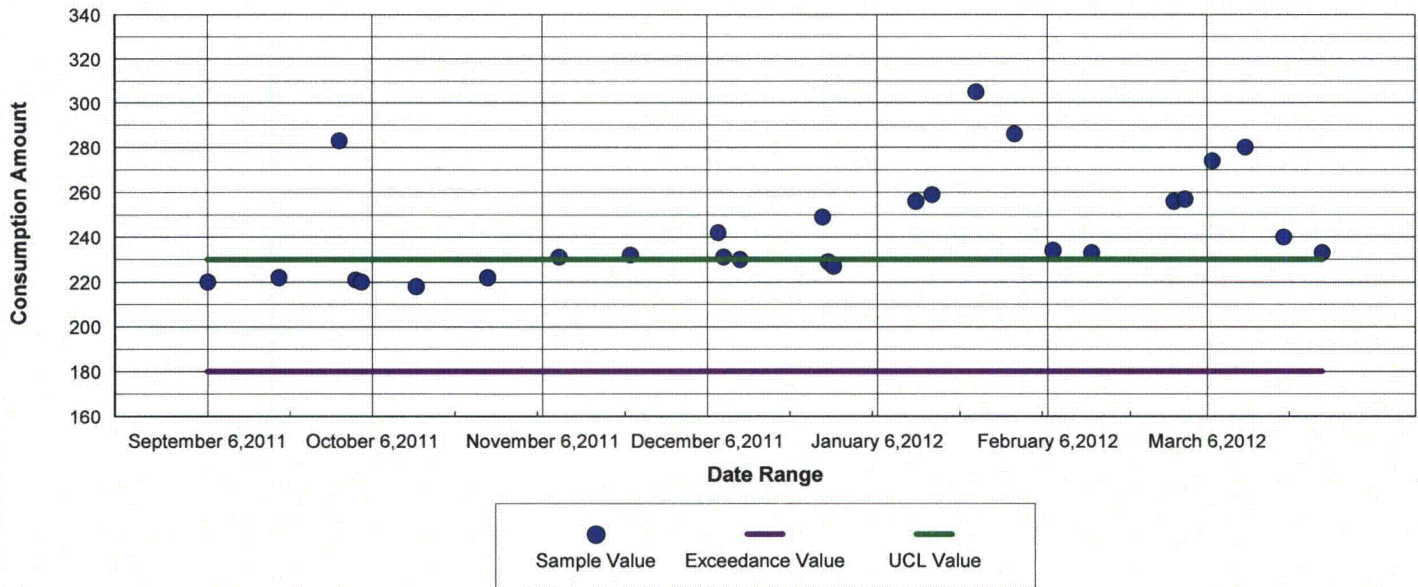
	<i>Chloride</i> <i>(mg/L)</i>	<i>Alkalinity</i> <i>(mg/L CaCO₃)</i>	<i>Conductivity</i> <i>(μMhos/cm)</i>	<i>U₃O₈</i> <i>(mg/L)</i>	<i>Water</i> <i>Elevation</i>	<i>Comment</i>
<i>NRC/WDEQ</i> <i>UCL</i>	18	230	769			
06/30/2011	22	237	760		5246.8	
06/15/2011	17	221	682		5254.0	
06/01/2011	16	217	699		5253.8	

06/01/2012



Cameco Resources
Smith Ranch - Highland

Alkalinity
Trending Analysis
Well : JM-007

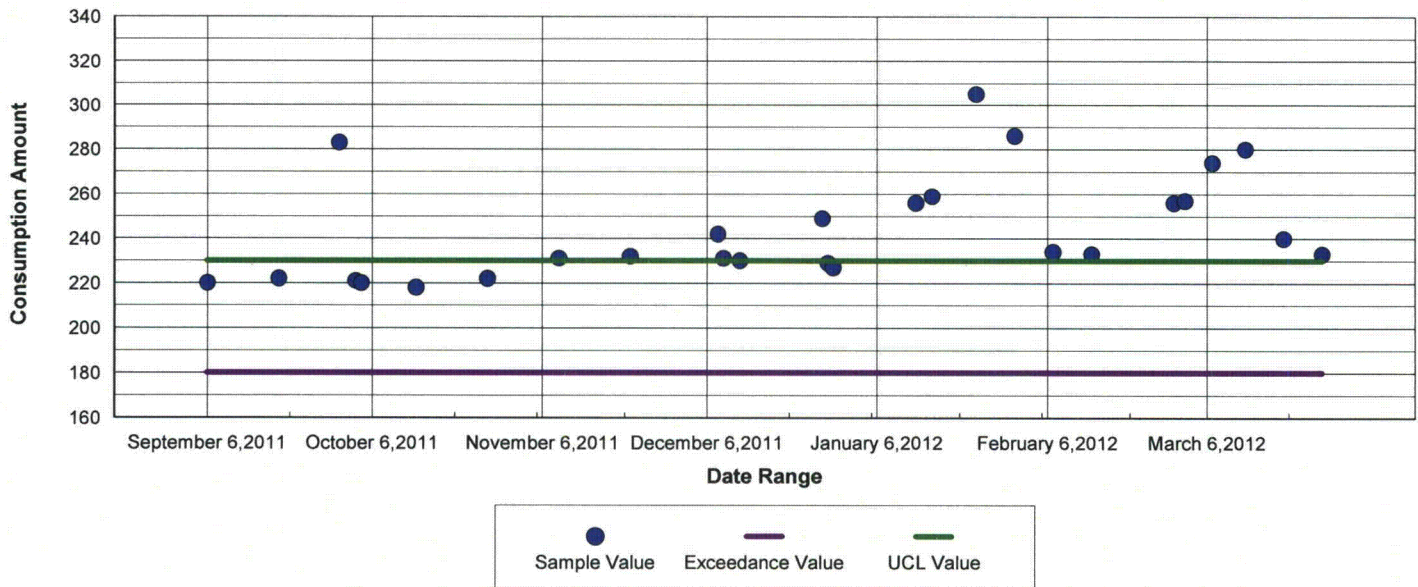




Cameco Resources
Smith Ranch - Highland

Alkalinity Trending Analysis

Well : JM-007





Cameco Resources
Smith Ranch - Highland

Conductivity Trending Analysis

Well : JM-007

