



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

August 14, 2012

Mr. Lowell Spackman, District 1 Supervisor  
Land Quality Division  
Wyoming Department of Environmental Quality  
122 W. 25<sup>th</sup> Street  
Cheyenne, WY 82002

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

CERTIFIED MAIL # 7011 0470 0001 0202 2252 RETURN RECEIPT REQUESTED

RE: Excursion at Monitor Well JM-007, Cameco Resources, Permit No. 603

Dear Mr. Spackman:

Pursuant to WDEQ/LQD Chapter 11 regulations, Section 8.4 of the Operations Plan for Permit 603 and NRC License SUA-1548 Condition No. 11.5 for the Highland Uranium Project, Power Resources, Inc. d/b/a Cameco Resources (Cameco) is providing written notification that Monitor Well JM-007 went on excursion status August 8, 2012. Confirmation monitoring results were received on August 8, 2012. Verbal notification by voice mail was provided to Ms. Pam Rothwell with WDEQ/LQD and Mr. Doug Mandeville was notified with the NRC on August 8, 2012.

Analytical results of a sample taken August 3, 2012 indicated exceedence with chloride, alkalinity and conductivity upper control limits (UCLs). Cameco collected a verification sample from the well on August 6, 2012 that showed the well was not on excursion. Analytical results reviewed on August 8, 2012 of a third sample taken on August 7, 2012 confirmed the well is on excursion for exceeding UCLs on alkalinity and conductivity. Results of the laboratory analyses are shown below.

Sample Date	Chloride (mg/L)	Alkalinity (mg/L CaCO <sub>3</sub> )	Conductivity (µMhos/cm)
	<b>UCL 18</b>	<b>UCL 230</b>	<b>UCL 769</b>
8/3/2012	20	251	775
8/6/2012	18	244	763
8/7/2012	17	240	776

Monitor Well JM-007 is located in Mine Unit J as illustrated on the attached map. Cameco is investigating the cause of the excursion event and will provide an update on the status of corrective actions in the next monthly excursion update to LQD. The excursion at monitor well JM-007 has been identified on the Cameco Resources site map.

Pursuant to WDEQ/LQD Chapter 11, Section 2, a duly authorized representative certification is attached.

Please feel free to contact me at (307) 358-6541 ext. 476 or at [Kenneth\\_Garoutte@cameco.com](mailto:Kenneth_Garoutte@cameco.com) if you have any questions.

Sincerely,



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

KG/vg

Attachment: 1) Map  
2) Duly Authorized Representative Certification

cc: File HUP 4.3.3.1  
Special Volume: Excursion Status Reports  
Doug Mandeville, NRC Certified Mail # 7011 0470 0001 0202 2269  
Document Control Desk, NRC Certified Mail # 7011 0470 0001 0202 2276

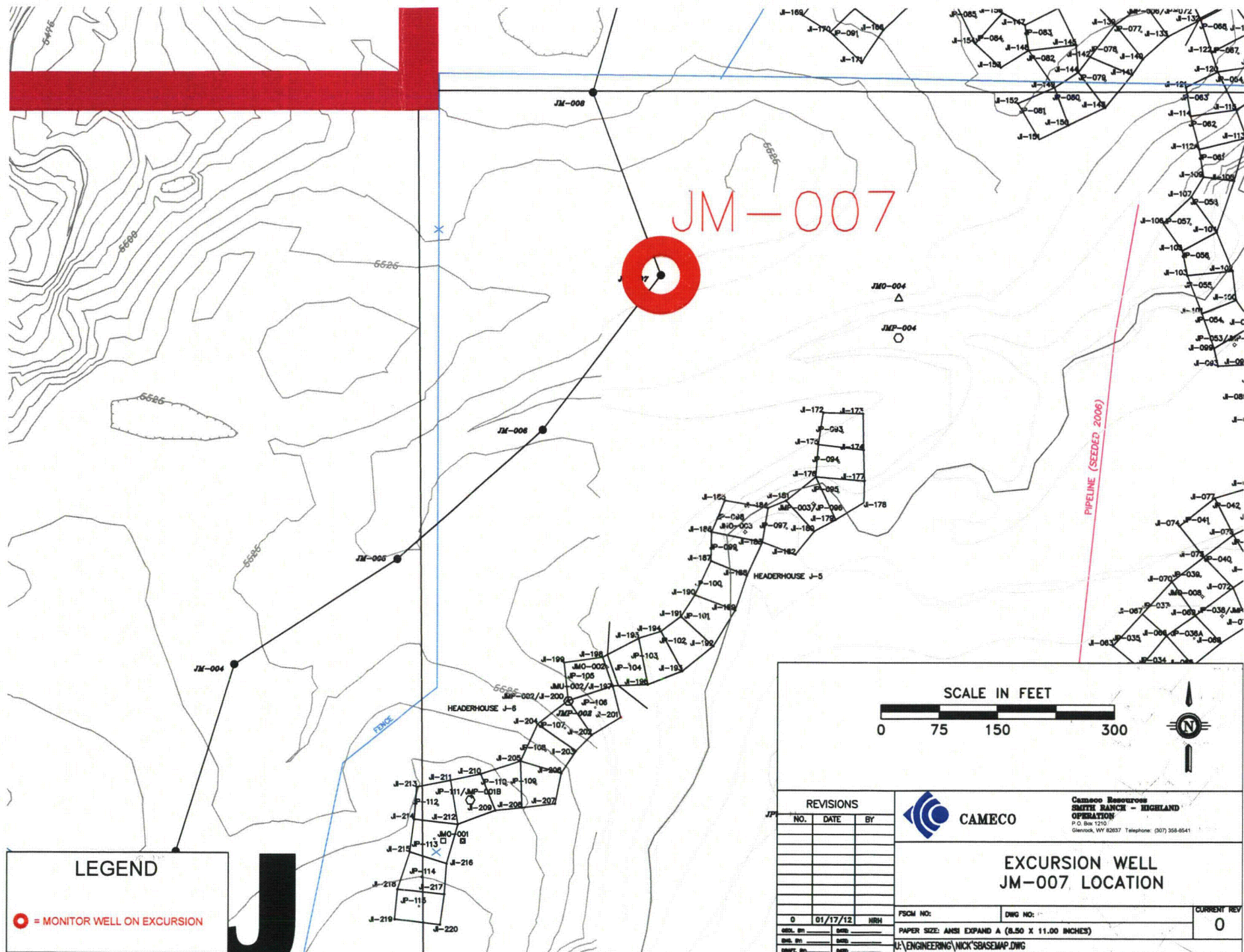
cc: CR-Cheyenne

**Duly Authorized Representative Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

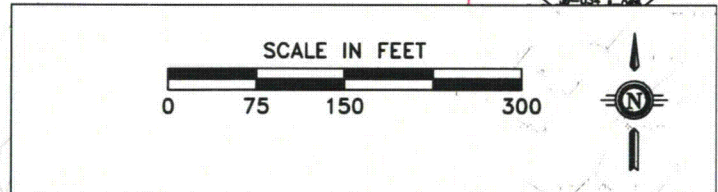
  
Duly Authorized Representative: Brent Berg

8/14/12  
Date:



**LEGEND**

= MONITOR WELL ON EXCURSION



REVISIONS			 <b>CAMECO</b> <small>Cameco Resources SMITH RANCH - HIGHLAND OPERATION P.O. Box 1210 Glenrock, WY 82837 Telephone: (307) 358-8541</small>
NO.	DATE	BY	
			<p><b>EXCURSION WELL JM-007 LOCATION</b></p>
<small>FSCM NO:</small> _____ <small>DWG NO.:</small> _____			<small>CURRENT REV</small> <b>0</b>
<small>PAPER SIZE: ANSI EXPAND A (8.50 X 11.00 INCHES)</small> <small>J:\ENGINEERING\WICK'SBASEMAP.DWG</small>			