



**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](http://www.cameco.com)

March 14, 2011

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

CERTIFIED MAIL #7010 1060 0000 2139 2110 RETURN RECEIPT REQUESTED

RE: Excursion at Monitor Well JM-005, Cameco Resources Highland Uranium Project, Permit to Mine No. 603

Dear Mr. Spackman:

In accordance WDEQ/LQD Chapter 11 regulations, Section 8.4 of the Operations Plan for Permit 603 and NRC License Condition No. 11.5 for the Highland Uranium Project, Power Resources, Inc. d/b/a/ Cameco Resources (CR) is herein providing written notification that Monitor Well JM-005 monitoring results, received March 9, 2011 showed it to be on excursion status on March 8, 2011. Ms. Pam Rothwell from WDEQ/LQD, and Mr. Doug Mandeville from the NRC were notified by telephone on March 10, 2011.

Analytical results of March 9, 2011 for the routine sample taken on March 8, 2011 indicated a potential exceedance in two of the three parameters (chloride and alkalinity). CR collected a confirmation sample from the well and analyzed it with a quality assurance duplicate on March 9, 2011. Results of the laboratory analyses confirmed the exceedance of Upper Control Limit (UCL) parameters as 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>
3/9/2011	20	238	719
3/8/2011	21	244	691

Monitor Well JM-005 is located in Mine Unit-J as depicted on the attached map. CR is working to control the wellfield through adjustments using pumping wells in the area. The initial sample taken on 3/8/2011 was taken after pumping only the approved amount of 1 casing volume, which isn't common practice for this particular well. The confirmation sample collected on 3/9/2011 was taken after pumping approximately 3 casing volumes as per normal for well JM-005. CR will restore pumping 3 casing volumes before sampling this particular well. Weekly samples will be collected to monitor the UCL constituents until the well is off excursion. The excursion at monitor well JM-005 has been added to the monthly Excursion Report Summary and will be identified on the Cameco Resources site map.

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

Please contact Joe Brister at (307)358-6541 ext. 462 or [Joe\\_Brister@cameco.com](mailto:Joe_Brister@cameco.com) if you have any questions.

Sincerely,



Tom Cannon  
General Manager of Operations

TC/TS

Attachment: 1) Map  
2) Duly Authorized Representative Certification

cc: D. Mandeville, USNRC (2 copies)

File HUP 4.6.4.1

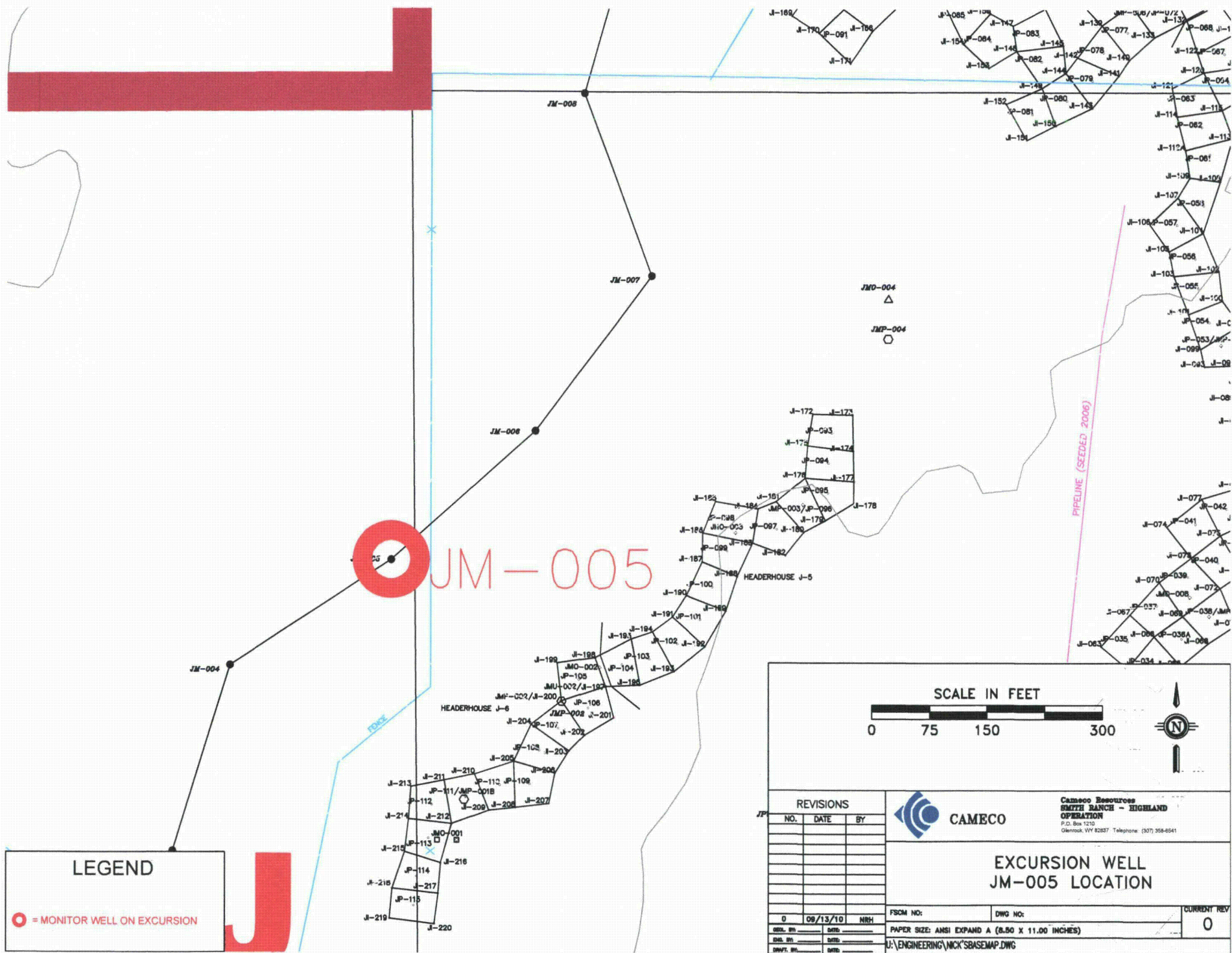
cc: CR-Cheyenne

### 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: Tom Cannon

3.14.11  
Date:



**LEGEND**

○ = MONITOR WELL ON EXCURSION

**SCALE IN FEET**

0 75 150 300

**REVISIONS**

NO.	DATE	BY

**CAMECO**

**Cameco Resources  
SMITH RANCH - HIGHLAND  
OPERATION**  
P.O. Box 1210  
Glennbrook, WY 82837 Telephone: (307) 358-6541

**EXCURSION WELL  
JM-005 LOCATION**

FSCM NO:	DWG NO:	CURRENT REV:
		0

PAPER SIZE: ANSI EXPAND A (8.50 X 11.00 INCHES)  
J:\ENGINEERING\WCK\SBASEMAP.DWG