



**CAMECO RESOURCES**  
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Operation  
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June 14, 2010

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

RE: Excursion at Monitor Well CM-38, 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 CM-38 monitoring results, received June 8, 2010 showed it to be on excursion status on June 7, 2010. Ms. Pam Rothwell from WDEQ/LQD, and Mr. Doug Mandeville from the NRC were notified by telephone on June 9, 2010.

Analytical results of June 8, 2010 for the routine sample taken on June 7, 2010 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 June 8, 2010. 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)
	UCL 15	UCL 221	UCL 918
6/8/2010	33	235	833
6/7/2010	34	230	910

Monitor Well CM-38 is located in Mine Unit-C as depicted on the attached map. Pumping of CMP-6 was started to adjust fluid movement in the area to balance the wellfield. Weekly samples will be collected to monitor the UCL constituents. The excursion at monitor well CM-38 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 me at (307)358-6541 x 474 if you have any questions.

Sincerely,



Angelo Kallas  
Safety, Health, Environment and Quality (SHEQ) Manager

AK/dk

Attachment: 1) Map  
2) Duly Authorized Representative Certification

cc: T. Cannon                      J. Brister                      D. Mandeville, USNRC (2 copies)  
File HUP 4.6.4.1

### 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.

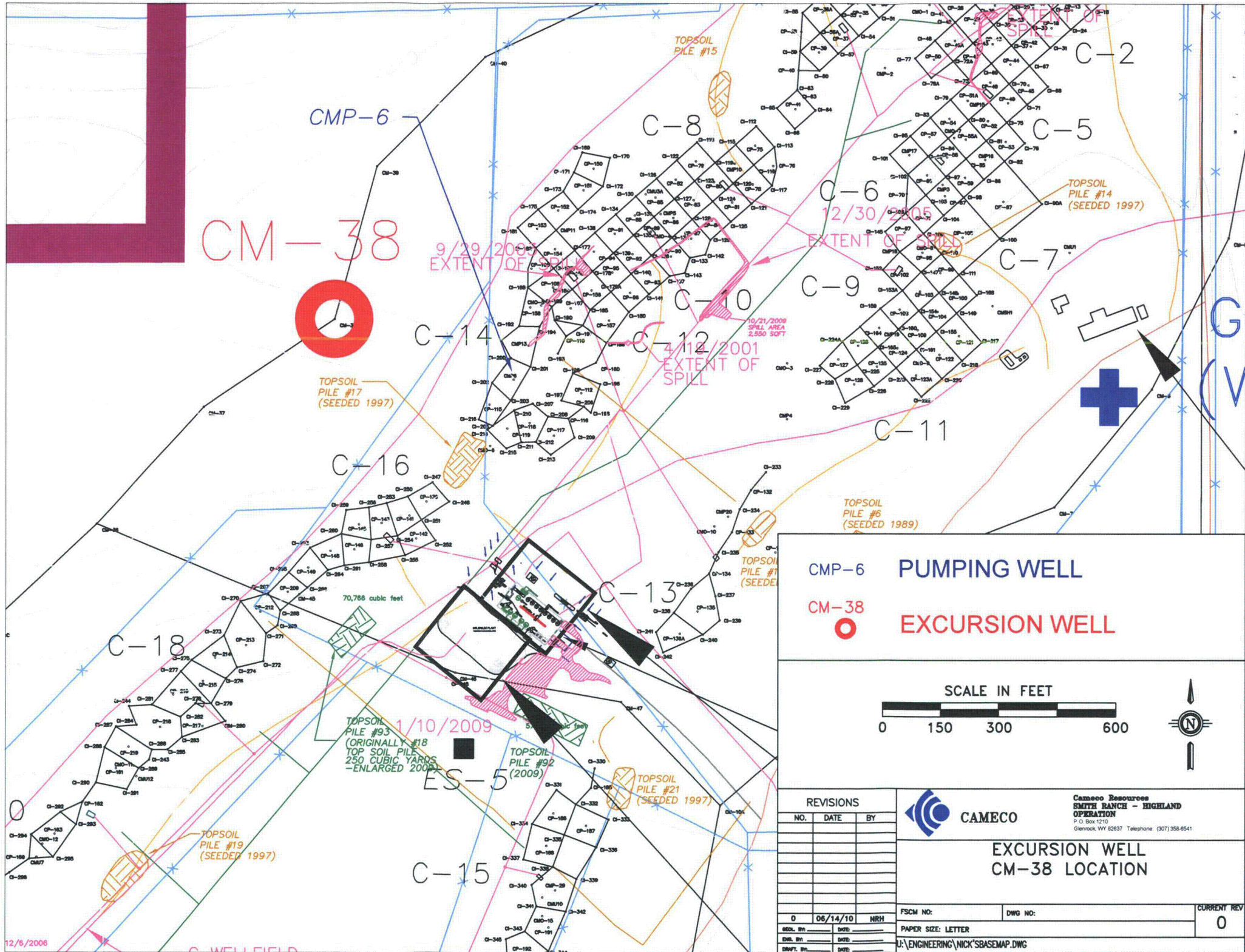


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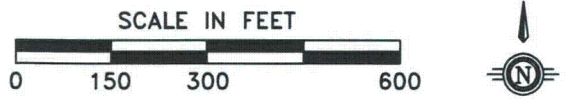
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Duly Authorized Representative: Angelo Kallas

Date



CMP-6 PUMPING WELL  
 CM-38 EXCURSION WELL



REVISIONS		
NO.	DATE	BY
0	06/14/10	NRH

**CAMECO**  
 Cameco Resources  
 SMITH RANCH - HIGHLAND  
 OPERATION  
 P.O. Box 1210  
 Glenrock, WY 82637 Telephone: (307) 358-6541

**EXCURSION WELL  
 CM-38 LOCATION**

FSCM NO: \_\_\_\_\_ DWG NO: \_\_\_\_\_ CURRENT REV: **0**

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