

**From:** "John McCarthy" <pri\_jmccarthy@vcn.com>  
**To:** "Steve Ingle" <single@state.wy.us>  
**Date:** 07/11/2007 11:39:10 AM  
**Subject:** Excursion Mine Unit C

Steve,

Please find attached a report on an excursion confirmed in Mine Unit C. Mine Unit C is presently in restoration and re-circulation as mentioned in the report. Well CM32 has been on excursion in the past and is in close vicinity to underground workings. A hard copy is being sent today.

Regards,

John McCarthy  
Power Resources, Inc.

**CC:** "Paul Michalak" <PXM2@nrc.gov>

**Mail Envelope Properties** (4694F98F.C75 : 16 : 23669)

**Subject:** Excursion Mine Unit C  
**Creation Date** 07/11/2007 11:38:08 AM  
**From:** "John McCarthy" <pri\_jmccarthy@vcn.com>

**Created By:** pri\_jmccarthy@vcn.com

**Recipients**

nrc.gov

TWGWPO01.HQGWDO01

PXM2 CC (Paul Michalak)

state.wy.us

single (Steve Ingle)

**Post Office**

TWGWPO01.HQGWDO01

**Route**

nrc.gov

state.wy.us

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	345	07/11/2007 11:38:08 AM
TEXT.htm	976	
Lixiviant Excursion at Monitor Well CM32.doc	35328	
Mime.822	52022	

**Options**

**Expiration Date:** None  
**Priority:** Standard  
**ReplyRequested:** No  
**Return Notification:** None

**Concealed Subject:** No  
**Security:** Standard

July 11, 2007

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: Highland Uranium Project  
Permit to Mine No. 603  
Excursion at Monitor Well CM-32

Dear Mr. Spackman:

In accordance with License Condition No. 12.1 and Section 8.4 of the approved Operations Plan for the Highland Uranium Project, Power Resources, Inc. (PRI) is providing written notification that Monitor Well CM32 appeared to be on excursion status July 10, 2007. Consistent with Section 8.4 of the Operations Plan, Mr. Steve Ingle of your staff was notified of this potential excursion by e-mail on June 11, 2007.

As stipulated in License Condition 11.5 of Materials License SUA 1548. Sampling frequency will become weekly until the excursion is controlled and verified by sampling results.

Well CM32 was sampled on July 3, 2007 with results received July 5 indicating excursion parameters were exceeded. As per license condition, the well was re-sampled within 24 hours to confirm the potential excursion. The confirmation results were received July 10, 2007. Well CM-32 is adjacent to Headerhouse C-22 which is presently turned off and is being retrofitted prior to restoration activities. Seven wells associated with headerhouse C-22 will be turned on by weeks end. These wells will undergo a systematic check for potential problems and/or leaks as they are brought back on line. These seven wells will form a cone of hydrologic depression bring the solutions back into the wellfield and allow for control of the excursion. The wellfield is within 900' of past underground workings.

Date	Chloride (mg/L)	Alkalinity (mg/L CaCO <sub>3</sub> )	Conductivity (μMhos/cm)
	UCL 18	UCL 202	UCL 852
7/6/07	38	199	924
7/3/07	40	206	881

If you have any questions, please call me at your earliest convenience at (307) 358-6541, ext. 46.

Sincerely,

John McCarthy  
Manager-Health, Safety  
& Environmental Affairs

cc: C. Foldenauer      S. Collings      P. Michalak, USNRC

File HUP-4.6.4.1