

**CAMECO RESOURCES
CROW BUTTE OPERATION**



**86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339-0169**

**(308) 665-2215
(308) 665-2341 – FAX**

November 12, 2012

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Michael Linder, Director
Nebraska Department of Environmental Quality
P.O. Box 98922
Lincoln, NE 68509-8922

Subject: Class III UIC Permit NE0122611
October 2012 Monthly Restoration Report

Dear Mr. Linder:

Please find enclosed the October 2012 Monthly Restoration Reports for Mine Units 2, 3, 4, 5 and 6. The reverse osmosis (RO) units continue to inject permeate and reductant into Mine Units 2, 3, 4, and 5. IX treatment continued in Mine Unit 6.

If you have any questions regarding this submittal, please feel free to contact me at (308) 665-2215, ext. 114.

Sincerely,
Cameco Resources
Crow Butte Operation

A handwritten signature in black ink that reads "Larry Teahon".

Larry Teahon
SHEQ Manager

Enclosures: As Stated

cc: Lindsey Phillips, NDEQ Chadron Office
Ron Burrows, NRC
CBO File
ec: CR - Cheyenne

CROW BUTTE MINE
 MONTHLY RESTORATION REPORT
 OCTOBER 2012
 MINE UNIT 2

1. RESTORATION ACTIVITY DURING MONTH:

	YES	NO	
a. Groundwater Transfer		X	(if yes, complete part 2)
b. Groundwater Sweep		X	(if yes, complete part 3)
c. Groundwater Treatment	X		RO and Reductant PR15, P97, P113, I180P, I188P, and P209.
d. Wellfield Recirculation		X	
e. Other (explain):		X	

2. LIST WELLS USED IN GROUNDWATER TRANSFER DURING THE MONTH:

3. LIST WELLS USED IN GROUNDWATER SWEEP DURING THE MONTH:

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

P97, P113, I180P, I188P, and P209.

CROW BUTTE MINE
 MONTHLY RESTORATION REPORT
 OCTOBER 2012
 MINE UNIT 3

1. RESTORATION ACTIVITY DURING MONTH:

	YES	NO	
a. Groundwater Transfer		X	(if yes, complete part 2)
b. Groundwater Sweep		X	(if yes, complete part 3)
c. Groundwater Treatment	X		RO and Reductant CM1-11, IJ13P, I298P, RES1E, and RES3E.
d. Wellfield Recirculation		X	
e. Other (explain):		X	

2. LIST WELLS USED IN GROUNDWATER TRANSFER DURING THE MONTH:

3. LIST WELLS USED IN GROUNDWATER SWEEP DURING THE MONTH:

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

CM1-11, I298P, RES1E, and RES3E.

CROW BUTTE MINE
 MONTHLY RESTORATION REPORT
 OCTOBER 2012
 MINE UNIT 4

1. RESTORATION ACTIVITY DURING MONTH:

	YES	NO	
a. Groundwater Transfer		X	(if yes, complete part 2)
b. Groundwater Sweep		X	(if yes, complete part 3)
c. Groundwater Treatment	X		RO and Reductant P371, P372, P430, P434, and P437.
d. Wellfield Recirculation		X	
e. Other (explain):			

2. LIST WELLS USED IN GROUNDWATER TRANSFER DURING THE MONTH:

3. LIST WELLS USED IN GROUNDWATER SWEEP DURING THE MONTH:

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

CM2-4, P371, P372, P430, P434, and P437.

CROW BUTTE MINE
 MONTHLY RESTORATION REPORT
 OCTOBER 2012
 MINE UNIT 5

1. RESTORATION ACTIVITY DURING MONTH:

	YES	NO	
a. Groundwater Transfer		X	(if yes, complete part 2)
b. Groundwater Sweep		X	(if yes, complete part 3)
c. Groundwater Treatment	X		RO and Reductant I676P, P707, P773, P800, I854P, and P922.
d. Wellfield Recirculation		X	
e. Other (explain):		X	

2. LIST WELLS USED IN GROUNDWATER TRANSFER DURING THE MONTH:

3. LIST WELLS USED IN GROUNDWATER SWEEP DURING THE MONTH:

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

I676P, P707, P773, P800, and I854P.

CROW BUTTE MINE
MONTHLY RESTORATION REPORT
OCTOBER 2012
MINE UNIT 6

1. RESTORATION ACTIVITY DURING MONTH:

	YES	NO	
a. Groundwater Transfer		X	(if yes, complete part 2)
b. Groundwater Sweep		X	(if yes, complete part 3)
c. Groundwater Treatment	X		IX P1268, P1283, P1312, P1314, P1348, P1370, P1494, P1497, P1531, P1559, P1573, P1588, P1596, P1612, P1633, P1703, P1715, P1751, P1756, P1778, P1800, and P1857.
d. Wellfield Recirculation		X	
e. Other (explain):		X	

2. LIST WELLS USED IN GROUNDWATER TRANSFER DURING THE MONTH:

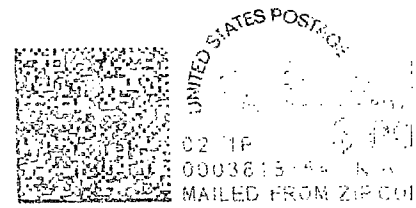
3. LIST WELLS USED IN GROUNDWATER SWEEP DURING THE MONTH:

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

P1268, P1283, P1312, P1314, P1370, P1494, P1497, P1531, P1573, P1588, P1596, P1612,
P1633, P1703, P1715, P1751, P1756, P1778, P1800, and P1857.



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NRC FORM 253 <small>(9-96)</small> U.S. NUCLEAR REGULATORY COMMISSION MESSENGER/COURIER RECEIPT		DATE OF REQUEST <i>11-20-12</i>		CONTROL NUMBER	
TO: <i>Ron Burrows</i>		OFFICE <i>FSME</i>	BUILDING <i>TWFN</i>	ROOM NUMBER <i>8F5</i>	
FROM: <i>Cameco Resources</i>		OFFICE <i>ADM</i>	BUILDING <i>OWFN</i>	ROOM NUMBER <i>PI-C10</i>	
DESCRIPTION <i>USPS Certified envelope</i> <i>7010 0780 0000 1422 3070</i>		MESSENGER/COURIER SIGNATURE			
		MESSENGER/COURIER <i>MEC</i>		DATE RECEIVED <i>11-20</i>	
				TIME RECEIVED <i>1:22 PM</i>	
		MESSENGER/COURIER		DATE RECEIVED	
				TIME RECEIVED	
		RECIPIENT'S SIGNATURE			
RECIPIENT		DATE RECEIVED			
		TIME RECEIVED			
SENDER: 1. Complete "DATE OF REQUEST," "TO:," "FROM:," and unclassified "DESCRIPTION" blocks. 2. Obtain MESSENGER/COURIER signature, date received, and time received in first blocks provided. 3. Retain "SENDER'S SUSPENSE COPY."		MESSENGER/COURIER: 1. Deliver package to recipient or next messenger/courier enroute to addressee. 2. Obtain MESSENGER/COURIER or RECIPIENT signature, date received, and time received in the appropriate blocks provided.		RECIPIENT: 1. Provide signature, date received, and time received in the appropriate blocks. 2. Retain RECIPIENT'S COPY. 3. Return original to messenger/courier immediately, who will return it to the sender.	



CAMECO RESOURCES

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