

**CAMECO RESOURCES
CROW BUTTE OPERATION**



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

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

February 14, 2013

**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
January 2013 Monthly Restoration Report

Dear Mr. Linder:

Please find enclosed the January 2013 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 with groundwater sweep being initiated in one wellhouse. Groundwater sweep was continued in portions of Mine Units 4 and 5.

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 cursive script that reads "Larry Teahon".

Larry Teahon
SHEQ Manager

Enclosures: As Stated

cc: Shar Sapp, NDEQ Chadron Office
Ron Burrows, NRC
CBO File
ec: CR - Cheyenne

CROW BUTTE MINE
MONTHLY RESTORATION REPORT
JANUARY 2013
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
 JANUARY 2013
 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 CM1-1, CM1-11, IJ13P, I298P, and RES2E.
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:

CM1-1, CM1-11, I298P, and RES2E.

CROW BUTTE MINE
MONTHLY RESTORATION REPORT
JANUARY 2013
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 P380, P387, P393, P394, P421, P422, P456, P461, I548P, and I551P.
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:

CM2-4, P371, P372, P396, P397, P426, P430, P434, P437, P508, and P537.

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

CM2-4, P371, P372, P380, P387, P393, P394, P421, P422, P426, P430, P434, P437, P456, P461, I508P, I537P, I548P, and I551P.

CROW BUTTE MINE
 MONTHLY RESTORATION REPORT
 JANUARY 2013
 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, P773, P790, P800, P962, P1075, P1099, P1117, P1155, and P1232.
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:
 BL5-5, P690, I854P, P891, P897, P837, and P1209.

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

I676P, P690, P773, P790, P800, P837, I854P, P891, P897, P962, P1075, P1117, P1155,
 P1209, and P1232.

CROW BUTTE MINE
MONTHLY RESTORATION REPORT
JANUARY 2013
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, P1322, P1370, P1474, P1494, P1497, P1531, P1588, P1596, P1612, P1630, P1633, P1703, P1715, P1751, P1756, P1778, P1794, P1800, P1857, and P1865.
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:
P1348.

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

P1268, P1283, P1312, P1314, P1322, P1348, P1370, P1474, P1494, P1497, P1531, P1588,
P1596, P1612, P1630, P1633, P1703, P1715, P1751, P1756, P1778, P1794, P1800, P1857,
and P1865.

NRC FORM 253 <small>(9-96)</small> U.S. NUCLEAR REGULATORY COMMISSION MESSENGER/COURIER RECEIPT		DATE OF REQUEST <i>2-26-13</i>		CONTROL NUMBER	
TO: <i>Ron Burrows</i>		OFFICE <i>FSME</i>	BUILDING <i>TWTV</i>	ROOM NUMBER <i>8F5</i>	
FROM: <i>Cameco Resources</i>		OFFICE <i>ADM</i>	BUILDING <i>OWTV</i>	ROOM NUMBER <i>P1-C10</i>	
DESCRIPTION <i>USPS Certified envelope</i> <i>7010 0780 0000 1422 4336</i>		MESSENGER/COURIER SIGNATURE			
		MESSENGER/COURIER <i>MEC</i>		DATE RECEIVED <i>2-26</i>	
				TIME RECEIVED <i>8am</i>	
		MESSENGER/COURIER		DATE RECEIVED	
				TIME RECEIVED	
		RECIPIENT'S SIGNATURE			
		RECIPIENT <i>Champa Ray et al.</i>		DATE RECEIVED <i>2/26</i>	
				TIME RECEIVED <i>1:43</i>	
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.	

NRC FORM 253 (9-96)

RECIPIENT'S COPY