

**CAMECO RESOURCES
CROW BUTTE OPERATION**



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

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

September 18, 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
August 2012 Monthly Restoration Report

Dear Mr. Linder:

Please find enclosed the August 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

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
 AUGUST 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
 AUGUST 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
 AUGUST 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 CM2-4, 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
AUGUST 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, and I854P.
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
 AUGUST 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, P1370, P1494, P1497, P1531, 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.

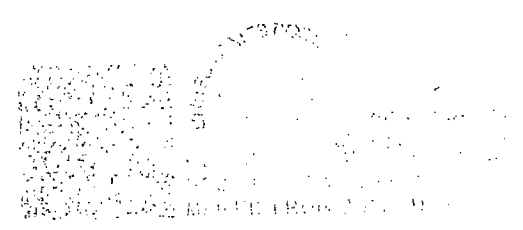
NRC FORM 253 (9-96)		U.S. NUCLEAR REGULATORY COMMISSION		DATE OF REQUEST	CONTROL NUMBER
MESSENGER/COURIER RECEIPT				9-28-12	
TO:		OFFICE	BUILDING	ROOM NUMBER	
Ron Burrows		FSME	TWFN	8F5	
FROM:		OFFICE	BUILDING	ROOM NUMBER	
Cameco Resources		ADM	OWFN	PI-C10	
DESCRIPTION 7010 0780 0000 1422 2820			MESSENGER/COURIER SIGNATURE		
			MESSENGER/COURIER	DATE RECEIVED	
			MEC	9-28	
				TIME RECEIVED	
			8am		
MESSENGER/COURIER	DATE RECEIVED				
		TIME RECEIVED			
			RECIPIENT'S SIGNATURE		
RECIPIENT		DATE RECEIVED		TIME RECEIVED	
Castellan					
SENDER:		MESSENGER/COURIER:		RECIPIENT:	
1. Complete "DATE OF REQUEST," "TO:," "FROM:," and unclassified "DESCRIPTION" blocks.		1. Deliver package to recipient or next messenger/courier enroute to addressee.		1. Provide signature, date received, and time received in the appropriate blocks.	
2. Obtain MESSENGER/COURIER signature, date received, and time received in first blocks provided.		2. Obtain MESSENGER/COURIER or RECIPIENT signature, date received, and time received in the appropriate blocks provided.		2. Retain RECIPIENT'S COPY.	
3. Retain "SENDER'S SUSPENSE COPY."				3. Return original to messenger/courier immediately, who will return it to the sender.	

NRC FORM 253 (9-96)

RECIPIENT'S COPY



7010 0780 0000 2422 2820



**RETURN RECEIPT
REQUESTED**

FWD 9-25-12



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69339 USA

Mr. Ron Burrows, Project Manager
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