

**CAMECO RESOURCES  
CROW BUTTE OPERATION**



86 Crow Butte Road  
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Crawford, Nebraska 69339-0169

(308) 665-2215  
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August 11, 2014

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Marty Link, Acting Water Quality Division Administrator  
Nebraska Department of Environmental Quality  
P.O. Box 98922  
Lincoln, NE 68509-8922

Class III UIC Permit NE0122611  
July 2014 Monthly Restoration Report

Dear Ms. Link:

Please find enclosed the July 2014 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 4, and 5. IX treatment continued in Mine Unit 6 with groundwater sweep continuing in portions of Mine Units 4 and 5.

Mine Units 2 and 3 remain in stability monitoring. Preliminary review by the NDEQ staff of the stabilization data submitted by Crow Butte indicated an upward trend for Alkalinity, Chloride, Conductivity, Sulfate, and Total Dissolved Solids in Mine Unit 2. At the request of the NDEQ, Crow Butte continues to collect a monthly composite sample for these parameters.

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: Ron Burrows - NRC  
CBO - File  
ec: CR - Cheyenne  
Shar Sapp – Chadron Field Office

CROW BUTTE MINE  
MONTHLY RESTORATION REPORT  
JULY 2014  
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	
d. Wellfield Recirculation		X	
e. Other (explain):	X		The Mine Unit is in Stability Monitoring.

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

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

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4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

Mine Unit discrete and composite samples were collected from the following baseline restoration wells: CM1-6, I136P, I137P, I142P, I144P, I171P, I175P, I180P, I188P, P113, P94, P97, PR-15, and PR-8.





CROW BUTTE MINE  
MONTHLY RESTORATION REPORT  
JULY 2014  
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	
d. Wellfield Recirculation		X	
e. Other (explain):	X		The Mine Unit is in Stability Monitoring.

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

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

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4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

No samples were collected during the month.
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CROW BUTTE MINE  
MONTHLY RESTORATION REPORT  
JULY 2014  
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 BL-18, CM1-7, CM2-1, P390, P391, P392, P397, P410, P416, P418, P427, P460, I508P, I526P, I534P, I537P, I540P, I541P, I542P, I543P, I544P, I545P, I547P, I548P, I549P, I550P, I551P, and I552P.
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:

RES-2i, P430, I535P, I536P, I538P, and I539P.

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

BL-9, BL10, BL-18, BL-19, BL-20, CM1-7, CM2-1, CM2-2, CM2-3, CM3-9, RES 2i, P390, P391, P392, P397, P410, P416, P418, P427, P430, P456, P460, I508P, P526, I534P, I535P, I536P, I537P, I538P, I539P, I540P, I541P, I542P, I543P, I544P, I545P, I546P, I547P, I548P, I549P, I550P, I551P, and I552P.



## Mine Unit 4 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
BL-10	7/1/2014	195.7	0.5	5.3	1.15	1006
BL18	7/1/2014	385.0	0.9	20.3	2.87	1828
	7/8/2014	343.1	0.8	16.1	2.51	
	7/15/2014	309.2	0.9	13.0	2.25	
	7/22/2014	282.2	1.0	10.7	1.95	1356
BL-18	7/29/2014	269.9	1.0	8.9	1.76	
BL19	7/1/2014	297.2	0.4	7.9	6.21	1447
BL20	7/1/2014	187.7	0.2	8.3	0.22	945
BL-9	7/22/2014	379.9	0.1	33.7	0.73	1945
CM1-7	7/1/2014	456.6	0.2	27.4	3.06	2219
CM2-1	7/1/2014	701.5	0.1	74.6	4.58	3565
	7/22/2014	702.7	0.1	71.7	3.96	3513
	7/29/2014	691.1	0.1	69.6	3.78	
CM2-2	7/22/2014	328.1	0.1	18.7	1.97	1549
CM2-3	7/1/2014	216.5	0.1	8.0	0.46	1078
CM3-9	7/1/2014	183.1	0.5	5.8	1.05	900
I508P	7/1/2014	572.2	0.2	37.0	4.30	2786
	7/8/2014	538.8	0.2	33.6	3.92	
	7/15/2014	501.0	0.2	31.1	3.61	
	7/22/2014	487.5	0.2	28.4	3.40	2375
	7/29/2014	474.0	0.2	27.5	3.20	
I534P	7/1/2014	465.9	0.4	24.8	4.02	2260
	7/8/2014	444.8	0.4	21.3	3.64	



# Mine Unit 4 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
I534P	7/15/2014	401.7	0.4	19.2	3.27	
	7/22/2014	374.7	0.4	17.0	2.94	1856
	7/29/2014	378.4	0.3	15.8	2.85	
I535P	7/1/2014	755.4	0.2	59.6	5.42	3801
	7/8/2014	777.8	0.2	59.9	5.46	
	7/15/2014	752.3	0.2	60.1	5.46	
	7/22/2014	776.9	0.2	61.5	5.57	3785
	7/29/2014	771.4	0.2	60.2	5.46	
I536P	7/1/2014	730.9	0.2	56.2	12.06	3432
	7/8/2014	733.0	0.2	53.3	14.45	
	7/15/2014	703.2	0.2	59.7	18.18	
	7/22/2014	703.9	0.2	61.3	19.81	3485
	7/29/2014	727.9	0.2	63.8	20.38	
I537P	7/1/2014	788.9	0.0	70.9	5.38	3838
	7/8/2014	758.6	0.0	68.1	5.32	
	7/15/2014	746.2	0.0	67.2	5.32	
	7/22/2014	745.1	0.0	66.4	5.30	3656
	7/29/2014	723.4	0.0	62.9	5.24	
I538P	7/1/2014	738.0	0.3	61.5	5.45	3753
	7/8/2014	745.6	0.3	59.2	5.11	
	7/15/2014	723.1	0.3	57.7	4.77	
	7/22/2014	696.5	0.3	55.3	4.62	3471
	7/29/2014	708.6	0.3	54.9	4.50	
I539P	7/1/2014	750.2	0.0	52.2	11.68	3756
	7/8/2014	742.0	0.1	53.3	10.93	
	7/15/2014	719.9	0.1	52.0	10.14	
	7/22/2014	696.7	0.1	49.8	9.73	3521
	7/29/2014	717.9	0.1	48.1	9.55	
I540P	7/1/2014	497.4	0.6	26.2	9.86	2497



# Mine Unit 4 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
I540P	7/8/2014	486.6	0.6	23.5	9.24	
	7/15/2014	439.0	0.7	21.1	8.27	
	7/22/2014	398.3	0.7	18.5	7.70	1978
	7/29/2014	388.9	0.7	17.2	7.22	
I541P	7/1/2014	647.1	0.2	46.4	8.96	3269
	7/8/2014	558.6	0.2	34.6	7.21	
	7/15/2014	486.9	0.2	26.7	5.35	
	7/22/2014	445.2	0.2	23.0	4.69	2203
	7/29/2014	417.1	0.2	20.0	4.36	
I542P	7/1/2014	448.2	0.4	27.1	3.94	2178
	7/8/2014	419.5	0.4	26.0	3.56	
	7/15/2014	408.0	0.4	26.4	3.25	
	7/22/2014	398.3	0.4	25.6	3.06	2014
	7/29/2014	417.3	0.5	27.5	3.03	
I543P	7/1/2014	556.2	0.3	54.4	2.74	2841
	7/8/2014	559.3	0.4	55.5	2.65	
	7/15/2014	548.9	0.4	55.5	2.57	
	7/22/2014	553.3	0.4	57.8	2.55	2815
	7/29/2014	577.7	0.4	60.6	2.57	
I544P	7/1/2014	587.7	0.4	51.5	4.93	2988
	7/8/2014	609.5	0.4	49.8	4.78	
	7/15/2014	582.7	0.5	50.5	4.50	
	7/22/2014	545.7	0.5	47.9	4.40	2801
	7/29/2014	593.9	0.4	50.6	4.58	
I545P	7/1/2014	565.8	0.4	39.0	4.29	2793
	7/8/2014	579.0	0.4	39.5	4.09	
	7/15/2014	557.9	0.5	41.6	3.82	
	7/22/2014	537.8	0.5	43.5	3.83	2829
	7/29/2014	579.9	0.5	45.9	3.80	



## Mine Unit 4 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
I546P	7/22/2014	322.3	0.1	15.2	1.73	1491
I547P	7/1/2014	525.3	0.3	43.7	8.04	2636
	7/8/2014	517.0	0.3	42.5	8.00	
	7/15/2014	522.4	0.3	43.8	8.05	
	7/22/2014	505.9	0.3	43.0	8.15	2566
	7/29/2014	509.3	0.3	40.0	8.32	
I548P	7/1/2014	602.1	0.3	37.6	2.30	2913
	7/8/2014	589.5	0.3	36.0	2.20	
	7/15/2014	557.1	0.3	34.7	2.08	
	7/22/2014	538.2	0.3	32.8	2.06	2621
	7/29/2014	687.1	0.4	54.5	8.66	
I549P	7/1/2014	513.2	0.4	39.1	7.74	2533
	7/8/2014	565.7	0.3	44.1	8.52	
	7/15/2014	602.5	0.3	47.5	8.85	
	7/22/2014	634.4	0.4	49.7	8.62	2589
	7/29/2014	696.3	0.4	55.0	8.90	
I550P	7/1/2014	633.4	0.9	49.9	5.18	3091
	7/8/2014	605.0	0.8	44.6	4.60	
	7/15/2014	605.9	0.8	45.5	4.46	
	7/22/2014	549.7	0.8	40.1	4.17	2744
	7/29/2014	551.8	0.8	37.8	3.91	
I551P	7/1/2014	329.7	0.5	18.7	3.02	1618
	7/8/2014	319.4	0.4	18.6	2.83	
I552P	7/22/2014	363.5	0.8	20.8	4.92	1785
	7/29/2014	323.0	1.0	14.3	3.88	
P390	7/1/2014	733.9	0.2	58.3	5.31	3605
	7/8/2014	749.0	0.2	53.9	4.85	
	7/15/2014	716.3	0.2	56.8	4.47	



# Mine Unit 4 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
P390	7/22/2014	714.1	0.2	56.0	4.27	3446
	7/29/2014	704.5	0.2	54.8	4.19	
P391	7/1/2014	722.3	0.3	55.9	6.32	3620
	7/8/2014	731.7	0.2	54.0	5.87	
	7/15/2014	693.0	0.3	50.8	5.19	
	7/22/2014	665.8	0.3	46.7	5.02	3268
	7/29/2014	630.8	0.3	44.2	4.67	
P392	7/1/2014	482.4	0.4	29.1	3.88	2390
	7/8/2014	472.0	0.4	27.9	3.78	
	7/15/2014	442.1	0.5	26.3	3.60	
	7/22/2014	413.7	0.5	24.4	3.51	2122
P397	7/1/2014	443.1	0.2	30.1	2.88	2234
	7/8/2014	444.3	0.2	29.1	2.75	
	7/15/2014	432.5	0.2	29.5	2.71	
	7/22/2014	423.5	0.2	28.5	2.72	2114
	7/29/2014	446.2	0.2	28.6	2.66	
P410	7/1/2014	440.9	0.5	28.0	5.57	2225
	7/8/2014	453.0	0.5	26.0	5.17	
	7/15/2014	419.5	0.6	26.2	4.51	
	7/22/2014	397.6	0.6	25.0	4.25	2035
	7/29/2014	397.0	0.6	25.2	4.18	
P416	7/1/2014	400.7	0.3	26.8	3.38	2023
	7/8/2014	422.5	0.3	26.5	3.41	
	7/15/2014	389.0	0.3	27.4	3.28	
	7/22/2014	379.3	0.4	27.2	3.43	1958
	7/29/2014	396.4	0.4	26.0	3.47	
P418	7/1/2014	568.9	0.3	37.0	6.77	2832
	7/8/2014	558.4	0.2	34.0	6.30	
	7/15/2014	528.8	0.3	32.5	5.94	



## Mine Unit 4 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
P418	7/22/2014	507.6	0.3	30.5	5.52	2488
	7/29/2014	529.4	0.2	30.0	5.54	
P427	7/1/2014	485.4	0.3	45.1	4.03	2384
	7/8/2014	486.6	0.3	43.0	3.95	
	7/15/2014	486.1	0.3	42.6	3.91	
	7/22/2014	481.9	0.3	41.3	3.70	2358
	7/29/2014	478.3	0.3	40.1	3.56	
P430	7/1/2014	320.5	0.1	19.3	1.96	1608
	7/8/2014	330.6	0.1	19.7	1.96	
	7/15/2014	318.5	0.1	20.4	2.00	
	7/22/2014	325.7	0.1	20.3	2.04	1643
	7/29/2014	324.4	0.1	20.7	2.04	
P456	7/1/2014	317.9	0.4	23.3	1.57	1591
P460	7/1/2014	540.5	0.3	41.6	4.19	2525
	7/8/2014	502.2	0.2	36.1	3.75	
	7/15/2014	467.8	0.2	34.1	3.64	
	7/22/2014	453.7	0.3	32.7	3.42	2259
	7/29/2014	455.9	0.2	31.3	3.27	
P526	7/22/2014	530.4	0.1	49.2	1.34	2584
RES-2i	7/1/2014	185.0	0.0	9.5	0.33	934
	7/8/2014	182.6	0.0	10.1	0.32	
	7/15/2014	184.4	0.0	9.9	0.32	
	7/22/2014	189.4	0.0	9.6	0.32	996
	7/29/2014	189.2	0.0	9.4	0.31	

CROW BUTTE MINE  
MONTHLY RESTORATION REPORT  
JULY 2014  
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 BL5-1, BL5-2, CM2-9, CM2-10, I676P, P682, P684, P690, P691, I692P, P706, P796, P837, P1135, P1149, P1152, P1187, and P1207.
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:  
BL5-4, P683, I698, P701, P1002, and P1156.

4. LIST WELLS SAMPLED DURING MONTH AND ASSAY RESULTS:

BL5-1, BL5-2, BL5-4, CM2-9, CM2-10, P676, I678P, P680, P682, P683, P684, P690, P691, I692P, P698, P701, P706, P734, P751, P765, P796, P837, P1002, P1039, P1050, P1060, P1135, P1137, P1149, P1152, P1156, P1187, P1207, P1209, and P1885.



# Mine Unit 5 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
BL5-1	7/1/2014	401.6	0.0	22.4	0.38	1998
	7/8/2014	423.1	0.0	23.7	0.38	
	7/15/2014	413.5	0.0	23.9	0.35	
	7/22/2014	406.1	0.0	23.3	0.35	1976
	7/29/2014	408.1	0.0	23.0	0.36	
BL5-2	7/1/2014	453.0	0.0	28.8	0.86	2212
	7/8/2014	452.3	0.0	28.8	0.86	
	7/15/2014	444.4	0.0	28.0	0.84	
	7/22/2014	429.7	0.0	24.8	0.77	
	7/29/2014	436.5	0.0	26.7	0.78	
BL5-4	7/1/2014	885.7	0.0	90.9	1.03	4480
	7/8/2014	929.9	0.0	92.9	1.03	
	7/15/2014	895.6	0.0	90.6	0.99	
	7/22/2014	892.5	0.0	91.8	0.98	4392
	7/29/2014	940.6	0.0	95.3	1.00	
CM2-10	7/1/2014	231.0	0.2	11.8	2.69	1176
	7/8/2014	229.3	0.3	10.4	2.80	
	7/15/2014	214.9	0.1	9.1	2.32	
	7/22/2014	216.4	0.2	8.8	2.20	1078
CM2-9	7/1/2014	348.9	0.0	13.3	2.75	1710
	7/8/2014	333.7	0.0	12.3	2.79	
	7/15/2014	307.1	0.0	11.0	2.46	
	7/22/2014	298.3	0.0	10.6	2.07	1455
	7/29/2014	303.8	0.0	10.6	2.00	
I676P	7/1/2014	401.6	0.4	18.9	4.53	1969
	7/8/2014	393.5	0.4	17.7	4.29	
	7/15/2014	367.5	0.5	16.6	3.89	
	7/22/2014	343.3	0.5	14.8	3.68	1680
	7/29/2014	336.8	0.5	13.9	3.49	
I678P	7/22/2014	628.4	0.2	51.9	2.32	2990
I692P	7/1/2014	546.1	0.8	27.4	7.63	2635
	7/8/2014	499.2	0.9	24.6	6.86	
	7/15/2014	488.4	0.9	23.7	7.43	
	7/22/2014	475.4	0.9	23.1	8.02	2294
I698P	7/1/2014	460.8	1.4	23.5	2.63	2305



# Mine Unit 5 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
I698P	7/8/2014	460.1	1.4	22.8	2.53	
	7/15/2014	434.2	1.4	21.4	2.34	
	7/22/2014	434.1	1.5	20.7	2.25	2086
	7/29/2014	437.9	1.5	20.6	2.15	
P1002	7/1/2014	402.0	0.6	19.5	1.05	2036
	7/8/2014	426.4	0.5	20.4	1.05	
	7/15/2014	424.5	0.5	20.3	1.10	
	7/22/2014	431.2	0.5	20.9	1.20	2088
	7/29/2014	438.7	0.4	20.8	1.28	
P1039	7/1/2014	196.6	2.8	6.7	0.90	1026
P1050	7/1/2014	140.2	0.8	2.6	0.51	720
P1060	7/1/2014	293.3	1.4	10.4	1.84	1428
P1135	7/1/2014	341.1	0.3	14.5	3.76	1726
	7/8/2014	351.4	0.3	14.5	3.75	
	7/15/2014	322.0	0.4	13.1	3.43	
	7/22/2014	306.8	0.4	12.5	3.24	1536
	7/29/2014	302.5	0.4	12.0	3.07	
P1137	7/22/2014	73.4	1.3	1.5	0.24	359
P1149	7/1/2014	193.7	0.5	7.8	1.94	962
	7/8/2014	173.9	0.5	6.7	1.52	
	7/15/2014	155.0	0.6	6.3	1.17	
	7/22/2014	143.6	0.6	5.3	1.01	722
	7/29/2014	150.0	0.6	5.3	1.03	
P1152	7/1/2014	447.3	0.4	23.6	4.01	2166
	7/8/2014	427.6	0.4	21.4	3.93	
	7/15/2014	383.7	0.4	18.2	3.50	
	7/22/2014	358.8	0.4	16.6	3.17	1777
	7/29/2014	348.9	0.4	15.4	3.02	
P1156	7/1/2014	604.5	0.4	39.0	6.38	2952
	7/8/2014	571.5	0.4	33.0	5.88	
	7/15/2014	544.1	0.5	33.0	5.43	
	7/22/2014	533.9	0.5	32.7	5.20	2587
	7/29/2014	541.4	0.5	32.5	5.15	
P1187	7/1/2014	125.9	0.3	1.8	0.34	610
	7/8/2014	125.5	0.3	1.9	0.41	



# Mine Unit 5 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
P1187	7/15/2014	112.6	0.3	2.0	0.32	
	7/22/2014	107.4	0.4	1.5	0.28	532
	7/29/2014	114.2	0.4	1.4	0.26	
P1207	7/1/2014	308.6	1.0	12.4	3.24	1505
	7/8/2014	344.1	1.1	11.7	3.18	
	7/15/2014	263.5	1.3	10.3	2.67	
	7/22/2014	255.4	1.5	9.6	2.40	1254
	7/29/2014	244.9	1.7	9.4	2.38	
P1209	7/22/2014	776.4	0.5	50.8	17.47	3653
P1885	7/22/2014	292.4	0.3	9.2	2.28	1380
P680	7/1/2014	233.9	1.8	5.3	2.99	1178
P682	7/1/2014	161.0	2.3	4.2	1.30	790
	7/8/2014	177.0	2.1	3.5	1.72	
	7/15/2014	169.6	2.0	3.6	1.61	
	7/22/2014	178.8	1.7	4.3	1.78	880
	7/29/2014	183.0	1.5	4.6	1.89	
P683	7/1/2014	640.9	0.2	43.4	7.83	3199
	7/8/2014	657.8	0.2	42.2	8.08	
	7/15/2014	628.2	0.2	41.2	7.40	
	7/22/2014	623.1	0.3	40.9	7.39	3047
	7/29/2014	633.5	0.3	40.6	7.37	
P684	7/1/2014	564.9	0.5	36.9	5.66	2856
	7/8/2014	609.3	0.5	36.7	6.06	
	7/15/2014	539.3	0.6	31.5	5.88	
	7/22/2014	496.9	0.7	27.4	5.63	2345
	7/29/2014	461.8	0.7	24.8	5.39	
P690	7/1/2014	323.8	0.3	15.1	3.49	1622
	7/8/2014	361.5	0.3	17.0	4.18	
	7/15/2014	351.2	0.3	18.1	4.07	
	7/22/2014	336.3	0.3	16.6	3.92	1724
	7/29/2014	344.6	0.3	16.2	3.77	
P691	7/1/2014	444.7	0.9	28.3	5.54	2200
	7/8/2014	457.9	0.9	27.8	5.59	
	7/15/2014	448.2	0.9	28.7	5.46	
	7/22/2014	443.4	0.9	28.5	5.31	2238
	7/29/2014	448.8	0.9	28.2	5.16	



### Mine Unit 5 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
P701	7/1/2014	389.4	3.0	15.3	0.30	
	7/8/2014	408.7	3.0	15.6	0.28	
	7/15/2014	380.5	3.0	15.8	0.28	
	7/22/2014	394.6	3.1	15.5	0.29	1920
	7/29/2014	400.6	3.1	15.4	0.29	
P706	7/1/2014	344.8	0.0	11.9	0.77	1720
	7/8/2014	345.7	0.0	12.1	0.69	
	7/15/2014	319.6	0.0	10.9	0.67	
	7/22/2014	301.8	0.1	10.0	0.63	1488
	7/29/2014	306.2	0.1	10.0	0.57	
P734	7/1/2014	414.5	0.9	17.2	6.24	2034
	7/8/2014	426.6	0.9	17.7	6.25	
	7/15/2014	407.6	0.9	17.3	6.10	
P751	7/1/2014	458.9	0.7	23.7	15.77	2223
P765	7/1/2014	238.3	0.2	5.7	0.79	1202
P796	7/1/2014	411.2	0.0	25.0	0.98	2178
	7/8/2014	472.8	0.0	27.8	1.14	
	7/15/2014	483.8	0.0	31.4	1.17	
	7/22/2014	469.3	0.0	31.9	1.23	2468
	7/29/2014	520.4	0.0	34.8	1.25	
P837	7/1/2014	272.1	0.3	14.3	1.02	1381
	7/8/2014	301.7	0.5	15.8	1.15	
	7/15/2014	298.3	0.3	16.8	1.10	
	7/22/2014	302.3	0.3	17.1	1.11	1517
	7/29/2014	312.4	0.3	17.2	1.11	



# Mine Unit 6 Restoration Data

Well Name	Date	Na (ppm)	V (ppm)	Ca (ppm)	U (ppm)	Cond (umohs/l)
P1283	7/1/2014	1030.0	1.2	53.7	20.76	4940
	7/8/2014	1055.0	1.2	52.6	21.09	
	7/15/2014	1009.0	1.2	52.6	19.93	
	7/22/2014	1024.0	1.2	53.4	20.28	4910
	7/29/2014	1042.0	1.2	53.5	20.04	
P1312	7/1/2014	981.0	1.1	61.9	14.30	4740
	7/8/2014	997.8	1.1	58.5	14.19	
	7/15/2014	975.6	1.1	60.4	13.66	
	7/22/2014	978.5	1.1	62.2	13.56	4670
	7/29/2014	1007.0	1.1	60.9	13.57	
P1370	7/1/2014	991.5	0.8	56.2	8.76	4760
	7/8/2014	996.4	0.8	53.1	9.03	
	7/15/2014	972.1	0.8	55.0	8.64	
	7/22/2014	991.0	0.8	55.6	8.49	4760
	7/29/2014	1006.0	0.8	55.2	8.52	
P1497	7/1/2014	972.2	0.1	80.4	36.79	4720
	7/8/2014	974.0	0.1	78.4	37.75	
	7/15/2014	1024.0	0.1	80.1	36.94	
	7/22/2014	983.6	0.1	79.7	35.20	4750
	7/29/2014	982.3	0.1	79.3	35.15	
P1596	7/1/2014	985.9	1.2	57.0	11.18	4700
	7/8/2014	997.7	1.2	53.8	11.35	
	7/15/2014	962.1	1.2	54.9	10.42	
	7/22/2014	987.0	1.2	56.7	10.49	4720
	7/29/2014	1023.0	1.3	58.0	10.80	
P1630	7/1/2014	919.8	1.4	39.2	7.43	4360
	7/8/2014	938.6	1.4	37.3	7.56	
P1633	7/1/2014	879.5	0.9	45.0	11.61	4180
	7/8/2014	897.3	0.9	43.5	11.79	
	7/15/2014	853.7	0.9	44.2	10.88	
	7/22/2014	873.5	1.0	45.7	11.07	4210