



CAMECO RESOURCES
Project Development
550 N. Poplar Street
Suite 100
Casper, WY
82601 USA

Tel: (307) 237 - 2128
Fax: (307) 237 - 2142
www.cameco.com

December 22, 2011

Mr. Doug Mandeville
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Two White Flint North, Mailstop T8F5
Rockville, MD 20852-2738

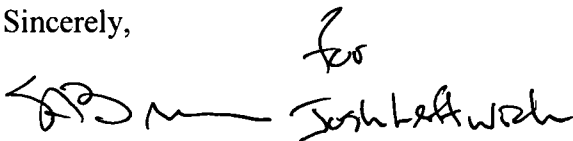
Re: Ruth ISR Uranium Project, Docket No. 40-8964, SUA-1548
2011-2012 Annual Surety Estimate Update

Dear Mr. Mandeville:

License Condition 9.5 of Source Materials License SUA-1548 requires annual surety estimate updates for the Power Resources Inc. d/b/a Cameco Resources (Cameco) Ruth ISR Project. Enclosed with this letter are two (2) paper copies of the 2011-12 Surety Estimate Update for the Ruth ISR Project.

The current facility status is non-operational with no current development or operational activities planned for the next surety period. A surety estimate of \$183,000 is proposed, estimated using WDEQ Guideline 12 and actual reclamation costs from Cameco's Smith Ranch-Highland operations. If you have any questions or concerns please contact Jeanie Wolford at 307-333-7644 or by email at Jeanie_wolford@cameco.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Leftwich', with a small 'fo' written above it.

Josh Leftwich
Director of Radiation Safety & Licensing

JL/jmw

Enc: Ruth 2011-12 Surety Estimate Update

cc: file RU 4.3.3.2
ec: CR-Cheyenne

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

TOTAL DECOMMISSIONING AND RECLAMATION COST ESTIMATE

I. BUILDING DEMOLITION AND DISPOSAL COSTS	\$70,120
II. EVAPORATION POND DECOMMISSIONING COSTS	\$36,795
III. MISC. SURFACE RECLAMATION COSTS	\$8,715
IV. WELL PLUGGING AND ABANDONMENT	\$10,445
V. FINAL STATUS SURVEY REPORT	\$10,000
SUBTOTAL	\$136,074
CONTINGENCY:	
PROJECT MANAGEMENT + MISCELLANEOUS COSTS (25%) ^a	\$34,019
CONTRACTOR PROFIT + OVERHEAD + MOBILIZATION COSTS (10%) ^b	\$13,607
TOTAL RECLAMATION, ROUNDED DOWN	\$183,000

^a Based on WDEQ-LQD Guideline No. 12 (November 2010), Section II(B)(12)(except b) and (13).

^b Based on WDEQ-LQD Guideline No. 12 (November 2010), Section II(B)(12)(b).

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

I. BUILDING DEMOLITION AND DISPOSAL	Process Building	Warehouse Building	Generator Building
A. Demolition			
1 Equipment			
Equipment remaining on site includes 6 tanks/vessels and injection manifold.			
Subtotal Equipment Dismantling	\$8,000	\$0	\$0
2 Building			
Building Volume (CF)	80,000	6,000	1500
Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/CF)	\$0.249	\$0.249	\$0.249
Subtotal Building Demolition	\$19,920	\$1,494	\$374
3 Concrete Floor			
Concrete Floor Area, SF	4,000	600	150
Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/SF)	\$5.05	\$5.05	\$5.05
Subtotal Concrete Floor Demolition	\$20,200	\$3,030	\$758
4 Concrete Footing			
Concrete Footing Length (ft)	280	0	0
Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/lin.ft)	\$18.14	\$18.14	\$18.14
Subtotal Concrete Footing Demolition	\$5,079	\$0	\$0
Subtotal Demolition per Building	\$53,199	\$4,524	\$1,132
Total Demolition			\$58,855
B. Disposal			
1 Equipment			
Equipment Volume (CY)	15		
Disposal Unit Cost (\$/ton) ^a	\$0	\$0	\$0
Convert waste volume to tons (0.24 tons / CY) ^b	4		
QTY. Trips	2	0	0
Transportation Unit Cost (\$/trip)	\$1,000	\$1,000	\$1,000
Subtotal Equipment Disposal	\$2,000	\$0	\$0
2 Buildings On-Site			
Assume Thickness of building material (ft)	0.75	0.5	0.5
Building Length (ft)	100	30	15
Building Width (ft)	40	20	10
Building Height (ft)	20	10	10
Volume of Building Materials (CY)	267	30	12
Volume for Disposal (assume 25% swell factor) (CY)	334	38	15
Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/CY)	\$8.12	\$8.12	\$8.12
Subtotal Building Disposal	\$2,712	\$309	\$122
3 Concrete Floor			
Area of Concrete Floor, SF	4,000	600	150
Average Thickness of Concrete Floor (ft)	0.5	0.5	0.5
Volume of Concrete Floor (CY)	74	11	3
a. On-Site Disposal			
Percentage (%) ^b	90%	100%	100%
Volume for Disposal (CY)	66.6	11	3
Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/CY)	\$6.97	\$6.97	\$6.97
Subtotal On-Site Disposal	\$464	\$77	\$21

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

I. BUILDING DEMOLITION AND DISPOSAL	Process Building	Warehouse Building	Generator Building
b. NRC-Licensed Facility			
Percentage (%) ^c	10%	0%	0%
Disposal Volume (CY)	7.4	0	0
Assume 50% volume swell factor (CY)	11	0	0
Disposal Unit Cost (\$/ton) ^a	0	0	0
Convert waste volume to tons (0.24 tons / CY) ^b	2.64	0	0
QTY. Trips	1	0	0
Transportation Unit Cost (\$/trip)	\$1,000	\$1,000	\$1,000
Subtotal NRC-Licensed Facility Disposal	\$1,000	\$0	\$0
Subtotal Concrete Floor Disposal	\$1,464	\$77	\$21
4 Concrete Footing On-Site			
Length Concrete Footing (ft)	280	0	0
Average Thickness Concrete Footing (ft)	4	4	4
Average Width Concrete Footing (ft)	1	1	1
Concrete Footing Volume (CY)	41	0	0
Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/CY)	\$6.97	\$6.97	\$6.97
Subtotal Concrete Footing Disposal	\$286	\$0	\$0
Subtotal Disposal per Building	\$6,462	\$386	\$143
Total Disposal			\$6,991
C. Radiation Surveys and Soil Sampling			
Assume: environmental and personnel monitoring (TLD) not required, based on NRC regulations and ambient levels of radiation on-site.			
1 Equipment (Alpha/Gamma Surveys and Smear Samples)			
QTY. Weeks	2	0	0
Rental Rate (\$/week)	\$250	\$250	\$250
Subtotal Equipment	\$500	\$0	\$0
2 Labor (Surveys and Soil Sampling)			
QTY. Hours	80	0	0
Labor, per Guideline 12 App's. N & O	\$40.92	\$38.56	\$38.56
Subtotal Labor	\$3,274	\$0	\$0
3 Analytical			
QTY. Samples	5	0	0
Ra-226 Analytical (\$/sample)	\$100	\$100	\$100
Subtotal Analytical	\$500	\$0	\$0
Total Radiation Survey + Soil Sampling			\$4,274
SUBTOTAL INDIVIDUAL BLDG. DEMOLITION + DISPOSAL COSTS	\$63,935	\$4,910	\$5,549
TOTAL ALL BUILDING DEMOLITION + DISPOSAL COST			\$70,120

Notes:

a - Per Byproduct Material Disposal Agreement with Pathfinder, first 185 cy disposed of at Shirley Basin at no cost

b - Florida Dept. Environmental Protection: *Converting C&D Debris from Volume to Weight, a Fact Sheet for C&D Debris Facility Operators [www.floridacenter.org/C&Dconversion.html]*

c - Based on radiation surveys conducted by Pathfinder Mines Co. during October - November 2001 (see site transfer letter dated November 2, 2001).

CF - cubic feet

lin. ft - linear feet

CY - cubic yards

SF - square feet

ft - feet

QTY - quantity

in - inches

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

II. EVAPORATION POND DECOMMISSIONING		Pond No. 1	Pond No. 2
A. By-product Material Removal and Loading			
1	Volume of By-product Material		
	Area of Pond Bottom (SF)	22,138	21,947
a.	Area with Fill (SF)	2,813	0
	Average Fill Thickness (in)	3.5	0
	Volume of Fill (CY)	30	0
b.	Remaining Area with Pond Residue (SF)	19,325	21,947
	Average Pond Residue Thickness (in)	1	0.5
	Volume of Pond Residue (CY)	60	34
c.	Area of Liner (SF)	22,138	21,947
	Thickness of Liner (in)	0.036	0.036
	Volume of Liner (CY)	2.5	2.4
	Volume of Liner Assuming 25% Void Space (CY)	3	3
d.	Area of Contaminated Sump and Drain (SF)	0	1
	Length of Sump and Drain (ft)	0	240
	Volume of Sump and Drain (CY)	0	9
e.	Diameter of Contaminated Soil (ft)	0	10
	Contaminated Soil Thickness (in)	0	6
	Volume of Contaminated Soil (CY)	0	1
	Subtotal Volume By-product Material (CY)	93	47
2	Equipment (Front-End Loader)		
	QTY. Hours	40	20
	Operating (\$/hr),	\$106	\$106
	from Table D-1 Operating Costs and Adjusted Costs WDEQ Guideline 12		
	Subtotal Equipment	\$4,242	\$2,121
3	Labor		
	QTY. Hours	40	20
	QTY. Laborers	3	3
	Labor (\$/hr), fr. WDEQ Guideline 12 App. A	\$40.92	\$40.92
	Subtotal Labor	\$4,910	\$2,455
	By-product Material Removal and Loading Per Pond	\$9,152	\$4,576
	Total By-product Material Removal + Loading		\$13,728
B. Transportation and Disposal			
	Total Volume of Byproduct Material (CY)	93	47
1	Transportation		
	Volume of Soil per Trip (CY/trip)	30	30
	QTY. Trips	3	2
	per Trip (\$/trip)	\$1,000	\$1,000
	Subtotal Transportation per pond	\$3,000	\$2,000
2	Disposal		
	Disposal Unit (\$/CY)	\$0	\$0
	Assume: Per By-product Material Disposal Agreement between PRI and Pathfinder, first 185 CY disposed of at Shirley Basin at no cost.		
	Subtotal Transportation + Disposal per pond	\$3,000	\$2,000
	Total Transportation + Disposal		\$5,000

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

II. EVAPORATION POND DECOMMISSIONING				Pond No. 1	Pond No. 2
C. Ripping					
	Area (acres)			0.5	0.5
	Ripping Unit Cost per WDEQ Guideline 12, App. I1 (\$/acre)			\$1,104.19	\$1,104.19
				Subtotal Ripping per pond	\$552
				Total Ripping	\$1,104
D. Backfilling					
	Volume of Soil (CY)			5400	5400
	Backfilling Unit Cost per WDEQ Guideline 12, App. E (\$/CY)			\$0.234	\$0.234
	Assume: Surface grade = 0%; Avg. haul distance = 100 ft.				
				Subtotal Backfilling per pond	\$1,264
				Total Backfilling	\$2,528
E. Grading					
	Area (acres)			1.5	1.5
	Rough Grading Unit Cost per WDEQ Guideline 12, App. M (\$/acre)			\$74.52	\$74.52
	Final Grading Unit Cost per WDEQ Guideline 12, App. G (\$/acre)			\$68.61	\$68.61
				Subtotal Grading per pond	\$215
				Total Grading	\$430
F. Replacement of Topsoil					
	Volume of Topsoil (CY)			3756	3756
	Application Unit Cost per WDEQ Guideline No.12, App.E (\$/CY)			\$0.756	\$0.756
	Assume Surface grade = 0%, Avg. haul distance = 400 ft.				
				Subtotal Topsoil Replacement per pond	\$2,840
				Total Topsoil Replacement	\$5,680
G. Seeding/Revegetation					
	Area (acres)			1.5	1.5
	Discing, Seeding, Mulching, \$/acre			\$685	\$685
				from Smith Ranch-Highland '08 actual cost	
				Subtotal Seeding/Revegetation per pond	\$1,028
				Total Seeding/Revegetation	\$2,055
H. Fence Removal					
	Length (ft)			800	800
	Fence Removal Unit Cost per WDEQ Guideline 12, App. H (\$/ft)			\$0.31	\$0.31
				Subtotal Fence Removal per pond	\$248
				Total Fence Removal	\$496
I. Radiation Surveys and Soil Sampling					
				Assume: environmental and personnel monitoring (TLD) not required, based on NRC regulations and ambient levels of radiation on-site.	
	1	Equipment (Alpha/Gamma Surveys and Smear Samples)			
		QTY. Weeks		1	1
		Rental Rate (\$/week)		\$250	\$250
				Subtotal Equipment	\$250
	2	Labor (Surveys and Soil Sampling)			
		QTY. Hours		40	40
		Labor, per WDEQ Guideline 12 App's. N & O		\$40.92	\$40.92
				Subtotal Labor	\$1,637

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

II. EVAPORATION POND DECOMMISSIONING				Pond No. 1	Pond No. 2
	3	Analytical			
		QTY. Samples		10	10
		Ra-226 Analytical (\$/sample)		\$100	\$100
			Subtotal Analytical per pond	\$1,000	\$1,000
			Subtotal Radiation Survey + Soil Sampling per pond	\$2,887	\$2,887
			Total Radiation Survey + Soil Sampling		\$5,774
		SUBTOTAL EVAPORATION POND DECOMMISSIONING COSTS		<u>\$21,186</u>	<u>\$15,610</u>
		TOTAL EVAPORATION POND DECOMMISSIONING COST			\$36,795

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

III. MISC. SURFACE RECLAMATION	Unit Cost	Units	Est Qty	Subtotal
A. Buildings, Roads, and Parking Areas				
1 Gravel Removal	\$0.913	CY	1500	\$1,370
Removal Unit Cost per WDEQ Guideline 12, App. C: assume surface Grade = 0%, avg. haul distance = 500 ft.				
2 Ripping	\$1,104.19	acre	2	\$2,208
Ripping Unit Cost per WDEQ Guideline 12, App. I1				
3 Topsoil Replacement	\$0.756	CY	2070	\$1,565
Application Unit Cost per WDEQ Guideline No.12, App. E: assume surface grade = 0%, avg. haul distance = 400 ft.				
4 Seeding/Revegetation				
Discing, Seeding, Mulching, \$/acre	\$685	acre	2	\$1,370
from Smith Ranch-Highland '08 actual cost				
Subtotal Seeding/Revegetation				\$1,370
5 Fence Removal	\$0.31	foot	2880	\$893
Removal Unit Cost per WDEQ Guideline 12, App. H				
Total Bldgs + Roads + Pkg Area Surface Reclamation				\$7,406
B. R&D Wellfield Area				
1 Replacement of Topsoil	\$0.645	CY	1180	\$761
Application Unit Cost per WDEQ Guideline No.12, App. E: assume surface grade = 0%, avg. haul distance = 350 ft.				
2 Seeding/Revegetation				
Discing, Seeding, Mulching, \$/acre	\$685	acre	0.8	\$548
from Smith Ranch-Highland '08 actual cost				
Subtotal Seeding/Revegetation				\$548
Total R&D Wellfield Area Surface Reclamation				\$1,309
TOTAL MISC. SURFACE RECLAMATION COSTS				\$8,715

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

IV. WELL PLUGGING AND ABANDONMENT

	Unit Cost	Units	Estimated Quantity	Subtotal
A. Well Plugging				
Quantity Wells (based on 12/08 review of WSEO records)	--	wells	3	--
Plug Wells 500' - 1000' (based on WSEO records), assume average well depth 550'	\$6.28	linear foot	1,650	\$10,362
Remove Top Portion Casing	\$15.00	well	3	\$45
Install concrete surface hole plug/cap	\$7.50	hole	3	\$23
Subtotal Plugging Costs				\$10,430
B. Surface Reclamation^a				
Site Smoothing & Re-Seeding	\$5.00	site	3	\$15
TOTAL PLUGGING + RECLAMATION COSTS				\$10,445

Based on WDEQ Guideline 12 (November, 2010), Appendix L

^a Seeding of abandoned well locations to be completed in conjunction with seeding of Exploration Camp and two-track roads.

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

TOTAL DECOMMISSIONING AND RECLAMATION COST ESTIMATE

I. BUILDING DEMOLITION AND DISPOSAL COSTS	\$70,120
II. EVAPORATION POND DECOMMISSIONING COSTS	\$36,795
III. MISC. SURFACE RECLAMATION COSTS	\$8,715
IV. WELL PLUGGING AND ABANDONMENT	\$10,445
V. FINAL STATUS SURVEY REPORT	\$10,000
SUBTOTAL	\$136,074
CONTINGENCY:	
PROJECT MANAGEMENT + MISCELLANEOUS COSTS (25%) ^a	\$34,019
CONTRACTOR PROFIT + OVERHEAD + MOBILIZATION COSTS (10%) ^b	\$13,607
TOTAL RECLAMATION, ROUNDED DOWN	\$183,000

^a Based on WDEQ-LQD Guideline No. 12 (November 2010), Section II(B)(12)(except b) and (13).

^b Based on WDEQ-LQD Guideline No. 12 (November 2010), Section II(B)(12)(b).

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

I. BUILDING DEMOLITION AND DISPOSAL	Process Building	Warehouse Building	Generator Building
A. Demolition			
1 Equipment			
Equipment remaining on site includes 6 tanks/vessels and injection manifold.			
Subtotal Equipment Dismantling	\$8,000	\$0	\$0
2 Building			
Building Volume (CF)	80,000	6,000	1500
Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/CF)	\$0.249	\$0.249	\$0.249
Subtotal Building Demolition	\$19,920	\$1,494	\$374
3 Concrete Floor			
Concrete Floor Area, SF	4,000	600	150
Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/SF)	\$5.05	\$5.05	\$5.05
Subtotal Concrete Floor Demolition	\$20,200	\$3,030	\$758
4 Concrete Footing			
Concrete Footing Length (ft)	280	0	0
Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/lin.ft)	\$18.14	\$18.14	\$18.14
Subtotal Concrete Footing Demolition	\$5,079	\$0	\$0
Subtotal Demolition per Building	\$53,199	\$4,524	\$1,132
Total Demolition			\$58,855
B. Disposal			
1 Equipment			
Equipment Volume (CY)	15		
Disposal Unit Cost (\$/ton) ^a	\$0	\$0	\$0
Convert waste volume to tons (0.24 tons / CY) ^b	4		
QTY. Trips	2	0	0
Transportation Unit Cost (\$/trip)	\$1,000	\$1,000	\$1,000
Subtotal Equipment Disposal	\$2,000	\$0	\$0
2 Buildings On-Site			
Assume Thickness of building material (ft)	0.75	0.5	0.5
Building Length (ft)	100	30	15
Building Width (ft)	40	20	10
Building Height (ft)	20	10	10
Volume of Building Materials (CY)	267	30	12
Volume for Disposal (assume 25% swell factor) (CY)	334	38	15
Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/CY)	\$8.12	\$8.12	\$8.12
Subtotal Building Disposal	\$2,712	\$309	\$122
3 Concrete Floor			
Area of Concrete Floor, SF	4,000	600	150
Average Thickness of Concrete Floor (ft)	0.5	0.5	0.5
Volume of Concrete Floor (CY)	74	11	3
a. On-Site Disposal			
Percentage (%) ^b	90%	100%	100%
Volume for Disposal (CY)	66.6	11	3
Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/CY)	\$6.97	\$6.97	\$6.97
Subtotal On-Site Disposal	\$464	\$77	\$21

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

I. BUILDING DEMOLITION AND DISPOSAL	Process Building	Warehouse Building	Generator Building
b. NRC-Licensed Facility			
Percentage (%) ^c	10%	0%	0%
Disposal Volume (CY)	7.4	0	0
Assume 50% volume swell factor (CY)	11	0	0
Disposal Unit Cost (\$/ton) ^a	0	0	0
Convert waste volume to tons (0.24 tons / CY) ^b	2.64	0	0
QTY. Trips	1	0	0
Transportation Unit Cost (\$/trip)	\$1,000	\$1,000	\$1,000
Subtotal NRC-Licensed Facility Disposal	\$1,000	\$0	\$0
Subtotal Concrete Floor Disposal	\$1,464	\$77	\$21
4 Concrete Footing On-Site			
Length Concrete Footing (ft)	280	0	0
Average Thickness Concrete Footing (ft)	4	4	4
Average Width Concrete Footing (ft)	1	1	1
Concrete Footing Volume (CY)	41	0	0
Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/CY)	\$6.97	\$6.97	\$6.97
Subtotal Concrete Footing Disposal	\$286	\$0	\$0
Subtotal Disposal per Building	\$6,462	\$386	\$143
Total Disposal			\$6,991
C. Radiation Surveys and Soil Sampling			
Assume: environmental and personnel monitoring (TLD) not required, based on NRC regulations and ambient levels of radiation on-site.			
1 Equipment (Alpha/Gamma Surveys and Smear Samples)			
QTY. Weeks	2	0	0
Rental Rate (\$/week)	\$250	\$250	\$250
Subtotal Equipment	\$500	\$0	\$0
2 Labor (Surveys and Soil Sampling)			
QTY. Hours	80	0	0
Labor, per Guideline 12 App's. N & O	\$40.92	\$38.56	\$38.56
Subtotal Labor	\$3,274	\$0	\$0
3 Analytical			
QTY. Samples	5	0	0
Ra-226 Analytical (\$/sample)	\$100	\$100	\$100
Subtotal Analytical	\$500	\$0	\$0
Total Radiation Survey + Soil Sampling			\$4,274
SUBTOTAL INDIVIDUAL BLDG. DEMOLITION + DISPOSAL COSTS	\$63,935	\$4,910	\$5,549
TOTAL ALL BUILDING DEMOLITION + DISPOSAL COST			\$70,120

Notes:

a - Per Byproduct Material Disposal Agreement with Pathfinder, first 185 cy disposed of at Shirley Basin at no cost

b - Florida Dept. Environmental Protection: *Converting C&D Debris from Volume to Weight, a Fact Sheet for C&D Debris Facility Operators [www.floridacenter.org/C&Dconversion.html]*

c - Based on radiation surveys conducted by Pathfinder Mines Co. during October - November 2001 (see site transfer letter dated November 2, 2001).

CF - cubic feet

lin. ft - linear feet

CY - cubic yards

SF - square feet

ft - feet

QTY - quantity

in - inches

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

II. EVAPORATION POND DECOMMISSIONING		Pond No. 1	Pond No. 2
A. By-product Material Removal and Loading			
1	Volume of By-product Material		
	Area of Pond Bottom (SF)	22,138	21,947
a.	Area with Fill (SF)	2,813	0
	Average Fill Thickness (in)	3.5	0
	Volume of Fill (CY)	30	0
b.	Remaining Area with Pond Residue (SF)	19,325	21,947
	Average Pond Residue Thickness (in)	1	0.5
	Volume of Pond Residue (CY)	60	34
c.	Area of Liner (SF)	22,138	21,947
	Thickness of Liner (in)	0.036	0.036
	Volume of Liner (CY)	2.5	2.4
	Volume of Liner Assuming 25% Void Space (CY)	3	3
d.	Area of Contaminated Sump and Drain (SF)	0	1
	Length of Sump and Drain (ft)	0	240
	Volume of Sump and Drain (CY)	0	9
e.	Diameter of Contaminated Soil (ft)	0	10
	Contaminated Soil Thickness (in)	0	6
	Volume of Contaminated Soil (CY)	0	1
	Subtotal Volume By-product Material (CY)	93	47
2	Equipment (Front-End Loader)		
	QTY. Hours	40	20
	Operating (\$/hr),	\$106	\$106
	from Table D-1 Operating Costs and Adjusted Costs WDEQ Guideline 12		
	Subtotal Equipment	\$4,242	\$2,121
3	Labor		
	QTY. Hours	40	20
	QTY. Laborers	3	3
	Labor (\$/hr), fr. WDEQ Guideline 12 App. A	\$40.92	\$40.92
	Subtotal Labor	\$4,910	\$2,455
	By-product Material Removal and Loading Per Pond	\$9,152	\$4,576
	Total By-product Material Removal + Loading		\$13,728
B. Transportation and Disposal			
	Total Volume of Byproduct Material (CY)	93	47
1	Transportation		
	Volume of Soil per Trip (CY/trip)	30	30
	QTY. Trips	3	2
	per Trip (\$/trip)	\$1,000	\$1,000
	Subtotal Transportation per pond	\$3,000	\$2,000
2	Disposal		
	Disposal Unit (\$/CY)	\$0	\$0
	Assume: Per By-product Material Disposal Agreement between PRI and Pathfinder, first 185 CY disposed of at Shirley Basin at no cost.		
	Subtotal Transportation + Disposal per pond	\$3,000	\$2,000
	Total Transportation + Disposal		\$5,000

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

II. EVAPORATION POND DECOMMISSIONING				Pond No. 1	Pond No. 2
C.	Ripping				
	Area (acres)			0.5	0.5
	Ripping Unit Cost per WDEQ Guideline 12, App. I1 (\$/acre)			\$1,104.19	\$1,104.19
				Subtotal Ripping per pond	\$552
				Total Ripping	\$1,104
D.	Backfilling				
	Volume of Soil (CY)			5400	5400
	Backfilling Unit Cost per WDEQ Guideline 12, App. E (\$/CY)			\$0.234	\$0.234
	Assume: Surface grade = 0%; Avg. haul distance = 100 ft.				
				Subtotal Backfilling per pond	\$1,264
				Total Backfilling	\$2,528
E.	Grading				
	Area (acres)			1.5	1.5
	Rough Grading Unit Cost per WDEQ Guideline 12, App. M (\$/acre)			\$74.52	\$74.52
	Final Grading Unit Cost per WDEQ Guideline 12, App. G (\$/acre)			\$68.61	\$68.61
				Subtotal Grading per pond	\$215
				Total Grading	\$430
F.	Replacement of Topsoil				
	Volume of Topsoil (CY)			3756	3756
	Application Unit Cost per WDEQ Guideline No.12, App.E (\$/CY)			\$0.756	\$0.756
	Assume Surface grade = 0%, Avg. haul distance = 400 ft.				
				Subtotal Topsoil Replacement per pond	\$2,840
				Total Topsoil Replacement	\$5,680
G.	Seeding/Revegetation				
	Area (acres)			1.5	1.5
	Discing, Seeding, Mulching, \$/acre			\$685	\$685
				from Smith Ranch-Highland '08 actual cost	
				Subtotal Seeding/Revegetation per pond	\$1,028
				Total Seeding/Revegetation	\$2,055
H.	Fence Removal				
	Length (ft)			800	800
	Fence Removal Unit Cost per WDEQ Guideline 12, App. H (\$/ft)			\$0.31	\$0.31
				Subtotal Fence Removal per pond	\$248
				Total Fence Removal	\$496
I.	Radiation Surveys and Soil Sampling				
				Assume: environmental and personnel monitoring (TLD) not required, based on NRC regulations and ambient levels of radiation on-site.	
	1	Equipment (Alpha/Gamma Surveys and Smear Samples)			
		QTY. Weeks		1	1
		Rental Rate (\$/week)		\$250	\$250
				Subtotal Equipment	\$250
	2	Labor (Surveys and Soil Sampling)			
		QTY. Hours		40	40
		Labor, per WDEQ Guideline 12 App's. N & O		\$40.92	\$40.92
				Subtotal Labor	\$1,637

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

II. EVAPORATION POND DECOMMISSIONING				Pond No. 1	Pond No. 2
	3	Analytical			
		QTY. Samples		10	10
		Ra-226 Analytical (\$/sample)		\$100	\$100
			Subtotal Analytical per pond	\$1,000	\$1,000
			Subtotal Radiation Survey + Soil Sampling per pond	\$2,887	\$2,887
			Total Radiation Survey + Soil Sampling		\$5,774
		SUBTOTAL EVAPORATION POND DECOMMISSIONING COSTS		<u>\$21,186</u>	<u>\$15,610</u>
		TOTAL EVAPORATION POND DECOMMISSIONING COST			\$36,795

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

III. MISC. SURFACE RECLAMATION	Unit Cost	Units	Est Qty	Subtotal
A. Buildings, Roads, and Parking Areas				
1 Gravel Removal	\$0.913	CY	1500	\$1,370
Removal Unit Cost per WDEQ Guideline 12, App. C: assume surface Grade = 0%, avg. haul distance = 500 ft.				
2 Ripping	\$1,104.19	acre	2	\$2,208
Ripping Unit Cost per WDEQ Guideline 12, App. I1				
3 Topsoil Replacement	\$0.756	CY	2070	\$1,565
Application Unit Cost per WDEQ Guideline No.12, App. E: assume surface grade = 0%, avg. haul distance = 400 ft.				
4 Seeding/Revegetation				
Discing, Seeding, Mulching, \$/acre	\$685	acre	2	\$1,370
from Smith Ranch-Highland '08 actual cost				
Subtotal Seeding/Revegetation				\$1,370
5 Fence Removal	\$0.31	foot	2880	\$893
Removal Unit Cost per WDEQ Guideline 12, App. H				
Total Bldgs + Roads + Pkg Area Surface Reclamation				\$7,406
B. R&D Wellfield Area				
1 Replacement of Topsoil	\$0.645	CY	1180	\$761
Application Unit Cost per WDEQ Guideline No.12, App. E: assume surface grade = 0%, avg. haul distance = 350 ft.				
2 Seeding/Revegetation				
Discing, Seeding, Mulching, \$/acre	\$685	acre	0.8	\$548
from Smith Ranch-Highland '08 actual cost				
Subtotal Seeding/Revegetation				\$548
Total R&D Wellfield Area Surface Reclamation				\$1,309
TOTAL MISC. SURFACE RECLAMATION COSTS				\$8,715

2011-2012 RECLAMATION SURETY BOND ESTIMATE
WDEQ PERMIT No. 631 ANNUAL REPORT / NRC SUA-1548
RUTH ISR PROJECT - CAMECO RESOURCES

IV. WELL PLUGGING AND ABANDONMENT

	Unit Cost	Units	Estimated Quantity	Subtotal
A. Well Plugging				
Quantity Wells (based on 12/08 review of WSEO records)	--	wells	3	--
Plug Wells 500' - 1000' (based on WSEO records), assume average well depth 550'	\$6.28	linear foot	1,650	\$10,362
Remove Top Portion Casing	\$15.00	well	3	\$45
Install concrete surface hole plug/cap	\$7.50	hole	3	\$23
Subtotal Plugging Costs				\$10,430
B. Surface Reclamation^a				
Site Smoothing & Re-Seeding	\$5.00	site	3	\$15
TOTAL PLUGGING + RECLAMATION COSTS				\$10,445

Based on WDEQ Guideline 12 (November, 2010), Appendix L

^a Seeding of abandoned well locations to be completed in conjunction with seeding of Exploration Camp and two-track roads.