

POWER RESOURCES, INC. RUTH ISL PROJECT
2003-2004 SURETY ESTIMATE

TOTAL DECOMMISSIONING AND RECLAMATION COST ESTIMATE

I.	BUILDING DEMOLITION AND DISPOSAL COSTS	\$40,055
II.	EVAPORATION POND DECOMMISSIONING COSTS	\$21,274
III.	MISC. SURFACE RECLAMATION COSTS	\$6,821
IV.	WELL PLUGGING AND ABANDONMENT	\$1,781
V.	FINAL STATUS SURVEY REPORT	\$10,000
	SUBTOTAL	\$79,931
	PROJECT MANAGEMENT AND MISCELLANEOUS COSTS (15%) ¹	\$11,990
	CONTRACTOR PROFIT, OVERHEAD, AND MOBILIZATION COSTS (10%) ²	\$7,993
	TOTAL	\$99,914
	CPI ESCALATOR - DECEMBER 2001 TO DECEMBER 2003 (4.7%)	\$4,696
	TOTAL CALCULATED SURETY (IN 2003 DOLLARS)	\$104,600

¹ Based on WDEQ-LQD Guideline No. 12 (1/2001), Section II(B)(12)(except b) and (13).

² Based on WDEQ-LQD Guideline No. 12 (1/2001), Section II(B)(12)(b).

POWER RESOURCES, INC. RUTH ISL PROJECT
2003-2004 SURETY ESTIMATE

BUILDING DEMOLITION AND DISPOSAL						Process	Warehouse	Generator
						Building	Building	Building
I.	Demolition Costs							
	A.	Equipment						
		Equipment remaining on site includes 6 tanks/vessels and injection manifold. Assume \$2000 for dismantling.						
		Subtotal Equipment Dismantling Costs				\$2,000	\$0	\$0
	B.	Building						
		Total Volume of Building (ft ³)				80000	6000	1500
		Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/ft ³)				\$0.165	\$0.165	\$0.165
		Subtotal Building Demolition Costs				\$13,200	\$990	\$248
	C.	Concrete Floor						
		Area of Concrete Floor (ft ²)				4000	600	150
		Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/ft ²)				\$3.05	\$3.05	\$3.05
		Subtotal Concrete Floor Demolition Costs				\$12,200	\$1,830	\$458
	D.	Concrete Footing						
		Length of Concrete Footing (ft)				280	0	0
		Demolition Unit Cost per WDEQ Guideline 12, App. K (\$/lin. ft)				\$11.15	\$11.15	\$11.15
		Subtotal Concrete Footing Demolition Costs				\$3,122	\$0	\$0
		Subtotal Demolition Costs per Building				\$30,522	\$2,820	\$706
		Total Demolition Costs				\$34,048		
II.	Disposal Costs							
	A.	Equipment						
		Assumptions: Per Byproduct Material Disposal Agreement between PRI and Pathfinder, first 185 cy disposed of at Shirley Basin at no cost. Transportation based on 2001 operating costs at Highland.						
		Assume equipment volume of 15 cy.						
		# Trips				1	0	0
		Transportation Unit Cost (\$/trip)				\$700	\$700	\$700
		Disposal Unit Cost (\$/ton)				\$0	\$0	\$0
		Subtotal Equipment Disposal Costs				\$700	\$0	\$0
	B.	Buildings (On-Site)						
		Assumptions: 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 (assuming 25% swell factor) (cy)				334	38	15
		Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/cy)				\$5.44	\$5.44	\$5.44
		Subtotal Building Disposal Costs				\$1,817	\$207	\$82
	C.	Concrete Floor						
		Assumptions: Per Byproduct Material Disposal Agreement between PRI and Pathfinder, first 185 cy disposed of at Shirley Basin at no cost. Transportation based on 2001 operating costs at Highland.						
		Area of Concrete Floor (ft ²)				4000	600	150
		Average Thickness of Concrete Floor (ft)				0.5	0.5	0.5
		Volume of Concrete Floor (cy)				74	11	3
	1.	On-Site						
		Percentage (%) ²				90%	100%	100%
		Volume for Disposal (cy)				66.6	11	3
		Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/cy)				\$4.13	\$4.13	\$4.13

POWER RESOURCES, INC. RUTH ISL PROJECT
2003-2004 SURETY ESTIMATE

				Process	Warehouse	Generator
BUILDING DEMOLITION AND DISPOSAL				Building	Building	Building
			Subtotal On-Site Disposal Costs	\$275	\$45	\$12
	2.	NRC-Licensed Facility				
			Percentage (%) ²	10%	0%	0%
			Volume for Disposal (cy)	7.4	0	0
			Volume for Disposal (assuming 50% swell factor) (cy)	11	0	0
			# Trips	1	0	0
			Transportation Unit Cost (\$/trip)	\$700	\$0	\$0
			Disposal Unit Cost (\$/cy)	\$0	\$0	\$0
			Subtotal NRC-Licensed Facility Disposal Costs	\$700	\$0	\$0
			Subtotal Concrete Floor Disposal Costs	\$975	\$45	\$12
	D.	Concrete Footing (On-Site)				
			Length of Concrete Footing (ft)	280	0	0
			Average Depth of Concrete Footing (ft)	4	4	4
			Average Width of Concrete Footing (ft)	1	1	1
			Volume of Concrete Footing (cy)	41	0	0
			Disposal Unit Cost per WDEQ Guideline 12, App. K (\$/cy)	\$4.13	\$4.13	\$4.13
			Subtotal Concrete Footing Disposal Costs	\$169	\$0	\$0
			Subtotal Disposal Costs per Building	\$3,661	\$252	\$94
			Total Disposal Costs	\$4,007		
III. Radiation Surveys and Soil Sampling						
	Assumptions: Based on NRC regulations and ambient levels of radiation					
	on-site, environmental and personnel monitoring (TLD) not required.					
	A.	Equipment (Alpha/Gamma Surveys and Smear Samples)				
			# Weeks	2	0	0
			Rental Rate (\$/week)	\$250	\$250	\$250
			Total Equipment Costs	\$500	\$0	\$0
	B.	Labor (Surveys and Soil Sampling)				
			# Hours	80	0	0
			Labor Cost (\$/hr)	\$15	\$15	\$15
			Total Labor Costs	\$1,200	\$0	\$0
	C.	Analytical Costs				
			# Samples	5	0	0
			Ra-226 Analytical Cost (\$/sample)	\$60	\$60	\$60
			Total Analytical Costs	\$300	\$0	\$0
			Subtotal Radiation Survey and Soil Sampling Costs	\$2,000	\$0	\$0
			Total Radiation Survey and Soil Sampling Costs	\$2,000		
			SUBTOTAL BUILDING DEMOLITION AND DISPOSAL COSTS	\$36,183	\$3,072	\$800
			TOTAL BUILDING DEMOLITION AND DISPOSAL COSTS	\$40,055		
Notes:	¹ Based on radiation surveys conducted by Pathfinder Mines Co. during October and November, 2001 (see site transfer letter dated November 2, 2001).					

POWER RESOURCE, INC. RUTH ISL PROJECT
2003-2004 SURETY ESTIMATE

EVAPORATION POND DECOMMISSIONING				Pond No. 1	Pond No. 2
I. Byproduct Material Removal and Loading					
A.	Volume of Byproduct Material				
	Area of Pond Bottom (ft ²)			22,138	21,947
1.	Area with Fill (ft ²)			2,813	0
	Average Thickness of Fill (in)			3.5	0
	Volume of Fill (cy)			30	0
2.	Remaining Area with Pond Residue (ft ²)			19,325	21,947
	Average Thickness of Pond Residue (in)			1	0.5
	Volume of Pond Residue (cy)			60	34
3.	Area of Liner (ft ²)			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
4.	Area of Contaminated Sump and Drain (ft ²)			0	1
	Length of Sump and Drain (ft)			0	240
	Volume of Sump and Drain (cy)			0	9
5.	Diameter of Contaminated Soil (ft)			0	10
	Depth of Contaminated Soil (in)			0	6
	Volume of Contaminated Soil (cy)			0	1
	Subtotal Volume of Byproduct Material (cy)			93	47
B.	Equipment (Front End Loader)				
	# Hours			40	20
	Operating Cost (\$/hr)			\$60	\$60
	Subtotal Equipment Costs			\$2,400	\$1,200
C.	Labor				
	# Hours			40	20
	# Laborers			3	3
	Labor Cost (\$/hr)			\$15	\$15
	Subtotal Labor Costs			\$1,800	\$900
	Subtotal Byproduct Material Removal and Loading Costs			\$4,200	\$2,100
	Total Byproduct Material Removal and Loading Costs			\$6,300	
II. Transportation and Disposal					
	Total Volume of Byproduct Material (cy)			93	47
	Assumptions: Per Byproduct Material Disposal Agreement between PRI and Pathfinder, first 185 cy disposed of at Shirley Basin at no cost. Transportation based on 2001 operating costs at Highland.				
A.	Transportation				
	Volume of Soil per Trip (cy/trip)			30	30
	# Trips			3	2
	Cost per Trip (\$/trip)			\$700	\$700
	Subtotal Transportation Costs			\$2,100	\$1,400
B.	Disposal				
	Disposal Unit Cost (\$/cy)			\$0	\$0
	Subtotal Disposal Costs			\$0	\$0
	Subtotal Transportation and Disposal Costs			\$2,100	\$1,400
	Total Transportation and Disposal Costs			\$3,500	
III. Ripping					
	Area (acres)			0.5	0.5
	Ripping Unit Cost per WDEQ Guideline 12, App. I (\$/acre)			\$474.92	\$474.92
	Subtotal Ripping Costs			\$237	\$237
	Total Ripping Costs			\$474	
IV. Backfilling					
	Assumptions: Surface grade = 0%; Avg. haul distance = 100 ft.				

POWER RESOURCE, INC. RUTH ISL PROJECT
2003-2004 SURETY ESTIMATE

EVAPORATION POND DECOMMISSIONING					Pond No. 1	Pond No. 2	
	Volume of Soil (cy)				5400	5400	
	Backfilling Unit Cost per WDEQ Guideline 12, App. E (\$/cy)				\$0.145	\$0.145	
	Subtotal Backfilling Costs				\$783	\$783	
	Total Backfilling Costs				\$1,566		
V.	Grading						
	Area (acres)				1.5	1.5	
	Rough Grading Unit Cost per WDEQ Guideline 12, App. M (\$/acre)				\$50.35	\$50.35	
	Final Grading Unit Cost per WDEQ Guideline 12, App. G (\$/acre)				\$38.35	\$38.35	
	Subtotal Grading Costs				\$133	\$133	
	Total Grading Costs				\$266		
VI.	Replacement of Topsoil						
	Assumptions: Surface grade = 0%; Avg. haul distance = 400 ft.						
	Volume of Topsoil (cy)				3756	3756	
	Application Unit Cost per WDEQ Guideline No.12, App.E (\$/cy)				\$0.47	\$0.47	
	Subtotal Topsoil Replacement Costs				\$1,765	\$1,765	
	Total Topsoil Replacement Costs				\$3,530		
VII.	Seeding/Revegetation						
	Area (acres)				1.5	1.5	
	Disking/Seeding (\$/acre)				\$250	\$250	
	Mulching (\$/acre)				\$300	\$300	
	Subtotal Seeding/Revegetation Costs				\$825	\$825	
	Total Seeding/Revegetation Costs				\$1,650		
VIII.	Fence Removal						
	Length (ft)				800	800	
	Removal Unit Cost per WDEQ Guideline 12, App. H (\$/ft)				\$0.68	\$0.68	
	Subtotal Fence Removal Costs				\$544	\$544	
	Total Fence Removal Costs				\$1,088		
IX.	Radiation Surveys and Soil Sampling						
	Assumptions: Based on NRC regulations and ambient levels of radiation on-site, environmental and personnel monitoring (TLD) not required.						
A.	Equipment (Alpha/Gamma Surveys and Smear Samples)						
	# Weeks				1	1	
	Rental Rate (\$/week)				\$250	\$250	
	Total Equipment Costs				\$250	\$250	
B.	Labor (Surveys and Soil Sampling)						
	# Hours				40	40	
	Labor Cost (\$/hr)				\$15	\$15	
	Total Labor Costs				\$600	\$600	
C.	Analytical Costs						
	# Samples				10	10	
	Ra-226 Analytical Cost (\$/sample)				\$60	\$60	
	Total Analytical Costs				\$600	\$600	
	Subtotal Radiation Survey and Soil Sampling Costs				\$1,450	\$1,450	
	Total Radiation Survey and Soil Sampling Costs				\$2,900		
	SUBTOTAL EVAPORATION POND DECOMMISSIONING COSTS				\$12,037	\$9,237	
	TOTAL EVAPORATION POND DECOMMISSIONING COSTS				\$21,274		

POWER RESOURCES, INC. RUTH ISL PROJECT
2003-2004 SURETY ESTIMATE

MISC. SURFACE RECLAMATION						
I. Buildings, Roads, and Parking Areas						
A.	Gravel Removal					
	Assumptions: Surface Grade = 0%; Avg. haul distance = 500 ft.					
		Volume (cy)				1500
		Removal Unit Cost per WDEQ Guideline 12, App. C (\$/cy)				\$0.60
	Total Gravel Removal Costs					\$900
B.	Ripping					
		Area (acres)				2
		Ripping Unit Cost per WDEQ Guideline 12, App. I (\$/acre)				\$474.92
	Total Ripping Costs					\$950
C.	Replacement of Topsoil					
	Assumptions: Surface grade = 0%; Avg. haul distance = 400 ft.					
		Volume of Topsoil (cy)				2070
		Application Unit Cost per WDEQ Guideline No.12, App.E (\$/cy)				\$0.47
	Total Topsoil Replacement Costs					\$973
D.	Seeding/Revegetation					
		Area (acres)				2
		Disking/Seeding (\$/acre)				\$250
		Mulching (\$acre)				\$300
	Total Seeding/Revegetation Costs					\$1,100
E.	Fence Removal					
		Length (ft)				2880
		Removal Unit Cost per WDEQ Guideline 12, App. H (\$/ft)				\$0.68
	Total Fence Removal Costs					\$1,958
Total Bldgs, Roads, and Parking Area Surface Reclamation Costs						\$5,881
II. R&D Wellfield Area						
A.	Replacement of Topsoil					
	Assumptions: Surface grade = 0%; Avg. haul distance = 350 ft.					
		Volume of Topsoil (cy)				1180
		Application Unit Cost per WDEQ Guideline No.12, App.E (\$/cy)				\$0.424
	Total Topsoil Replacement Costs					\$500
B.	Seeding/Revegetation					
		Area (acres)				0.8
		Disking/Seeding (\$/acre)				\$250
		Mulching (\$acre)				\$300
	Total Seeding/Revegetation Costs					\$440
Total R&D Wellfield Area Surface Reclamation Costs						\$940
TOTAL MISC. SURFACE RECLAMATION COSTS						\$6,821

POWER RESOURCES, INC. RUTH ISL PROJECT
2003-2004 SURETY ESTIMATE

WELL PLUGGING AND ABANDONMENT					
I.	Plugging				
	Assumptions: Based on actual well abandonment costs incurred at Ruth during 2000. Includes labor, equip., and materials.				
	Well Casing Diameter (in)				5
	# Wells				3
	Average Well Depth (ft)				550
	Total Casing Length (ft)				1650
	Plugging Unit Cost ¹ (\$/ft of casing)				\$1.05
	Adjustment for Inflation ² (December 2000 to December 2001)				1.5%
	Adjusted Plugging Unit Cost (\$/ft of casing)				\$1.07
	Total Plugging Costs				\$1,766
II.	Seeding/Revegetation				
	# Sites				3
	Seeding Unit Cost per WDEQ Guideline 12, App. L (\$/site) ³				\$5
	Total Seeding Costs				\$15
TOTAL WELL PLUGGING AND ABANDONMENT COSTS					\$1,781
Notes:	¹ Includes well plugging, removing top of casing, installing cement plug, etc.				
	² Based on Urban Consumer Price Index, U.S. Department of Labor, Bureau of Labor Statistics.				
	³ Seeding of abandoned well locations to be completed in conjunction with seeding of other reclaimed areas.				