

Table RP-4 Reclamation/Restoration Bond Estimate (Page 1 of 37)

<b>LOST CREEK ISR, LLC SUMMARY OF RECLAMATION/RESTORATION BOND ESTIMATE</b>		
I	GROUNDWATER RESTORATION - Worksheet 1	\$3,719,492
II	DECOMMISSIONING AND SURFACE RECLAMATION	\$1,385,856
	A. Plant Equipment Removal and Disposal - Worksheet 2	\$73,724
	B. Plant Building Demolition and Disposal - Worksheet 3	\$331,514
	C. Storage Pond Sludge and Liner Handling - Worksheet 4	\$405,997
	D. Well Abandonment - Worksheet 5	\$207,589
	E. Wellfield Equipment Removal and Disposal - Worksheet 6	\$173,896
	F. Topsoil Replacement and Revegetation - Worksheet 7	\$72,944
	G. Miscellaneous Reclamation Activities - Worksheet 8	\$120,193
<b>SUBTOTAL RESTORATION AND RECLAMATION</b>		<b>\$5,105,348</b>
III	TOTAL CONTINGENCY	\$1,761,345
Miscellaneous Costs Associated with Third Party Contractors		
	Project Design	2% = \$102,107
	Contractor Profit & Mobilization	8% = \$408,428
	Pre-Construction Investigation	1% = \$51,053
	Project Management	5% = \$255,267
	On-Site Monitoring	0.5% = \$25,527
	Site Security & Liability Assurance	1% = \$51,053
	Longterm Administration	2% = \$102,107
	Contingency	15% = \$765,802
<b>TOTAL RESTORATION AND RECLAMATION</b>		<b>\$6,866,693</b>

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>Technical Assumptions:</b>			
Wellfield Area (Square Feet)	1,057,797	Proposed area	Data
Wellfield Area (Acres)	24.28		Calculated
Affected Ore Zone Area (Square Feet)	1,057,797	Proposed area affected	Data
Average Completed Thickness (Feet)	12.0	Proposed thickness	Data
<b>Affected Volume:</b>			
Factor For Vertical Flare	20%	Vertical flare estimate	Estimated
Factor For Horizontal Flare	20%	Horizontal flare estimate	Estimated
Total Volume (Cubic Feet)	18,278,732	= Area * Thickness * Vertical flare * Horizontal flare	Calculated
Porosity	25.0%	Typical value for host sand	Data
Gallons Per Cubic Foot	7.48	Conversion factor	Constant
Gallons Per Pore Volume	34,181,229	= Volume * Porosity * gal/ft <sup>3</sup>	Calculated
<b>Number of Wells in Unit(s)</b>			
Production Wells	120	Proposed well count	Data
Injection Wells	208	Proposed well count	Data
Monitor Wells	69	Proposed well count	Data
Average Well Spacing (Feet)	95	Proposed well spacing	Data
Average Well Depth (Feet)	410	Proposed well depth	Data

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>I GROUNDWATER SWEEP</b>			
<b>A. PLANT &amp; OFFICE</b>			
Operating Assumptions:			
Flow Rate (Gallons per Minute)	40	Planned flow	Data
Pore Volumes Required	0.3	Required value	Data
Total Gallons For Treatment	10,254,369	= Gallons per Pore Volume * Number of Pore Volumes	Calculated
Total Kilogallons for Treatment	10,254		Calculated
Cost Assumptions:			
Power			
Average Connected Horsepower	20	Proposed pump horsepower	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	40	Planned rate	Data
Gallons per Hour	2400		Calculated
Cost per Hour	\$0.90		Calculated
Cost per Gallon	\$0.00037		Calculated
Cost per Kilogallon	\$0.373		Calculated
Chemicals			
Antiscalent (Cost per Kilogallon)	\$0.120	Based on required dosage/estimated cost	Unit Rate
Repair & Maintenance (Cost per Kilogallon)	\$0.035	Estimate	Unit Rate
Analysis (Cost per Kilogallon)	\$0.030	On-site laboratory analysis	Unit Rate

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>I GROUNDWATER SWEEP (continued)</b>			
A. PLANT & OFFICE (continued)			
Total Cost per Kilogallon	\$0.558		Calculated
Total Treatment Cost	\$5,722		Calculated
Utilities			
Power (Cost per Month)	\$225	Estimate	Unit Rate
Propane (Cost per Month)	\$225	Estimate	Unit Rate
Time for Treatment			
Minutes for Treatment	256,359	=Total Gallons for Treatment Divided by Flow Rate (gpm)	Calculated
Hours for Treatment	4,273		Calculated
Days for Treatment	178		Calculated
Average Days per Month	30.4		Calculated
Months for Treatment	5.9		Calculated
Utilities Cost	\$2,634		Calculated
<b>TOTAL PLANT &amp; OFFICE COST</b>	<b>\$8,356</b>		

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>I GROUNDWATER SWEEP (continued)</b>			
<b>B. WELLFIELD</b>			
Cost Assumptions:			
Power			
Average Flow per Pump (Gallons per Minute)	32	Estimate from pumping	Data
Average Horsepower per Pump	7.50	Estimate from pumping	Data
Average Number of Pumps Required	1.3	Estimate from pumping	Data
Average Connected Horsepower	14.4	Pumps plus 5 horsepower for HH	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	40	Planned flow	Data
Gallons per Hour	2400		Calculated
Cost per Hour	\$0.64		Calculated
Cost per Gallon	\$0.0003		Calculated
Cost per Kilogallon	0.268		Calculated
Repair & Maintenance (Cost per Kilogallon)	\$0.115	Estimate	Unit Rate
Total Cost per Kilogallon	\$0.383		Calculated
<b>TOTAL WELLFIELD COST</b>	<b>\$3,928</b>		Calculated
<b>TOTAL GROUNDWATER SWEEP COST</b>	<b>\$12,284</b>		Calculated

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>II REVERSE OSMOSIS</b>			
<b>A. PLANT &amp; OFFICE</b>			
Operating Assumptions:			
Flow Rate (Gallons per Minute)	760	Estimate from pumping	Data
Pore Volumes Required	6.0	Required value	Data
Total Gallons for Treatment	205,087,375	= Gallons per Pore Volume * Number of Pore Volumes	Calculated
Total Kilogallons for Treatment	205,087		Calculated
Feed to Reverse Osmosis Unit (Gallons per Minute)	760	Planned flow	Data
Permeate Flow (Gallons per Minute)	570	= Planned Flow * Average Reverse Osmosis Recovery	Calculated
Brine Flow (Gallons per Minute)	190	= Planned Flow - Permeate Flow	Calculated
Average Reverse Osmosis Recovery	75.0%	Reverse Osmosis Design	Data
Cost Assumptions:			
Power			
Average Connected Horsepower	300.00	Average value for each area	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	760	Planned flow	Data
Gallons per Hour	45600		Calculated
Cost per Hour	\$13.43		Calculated
Cost per Gallon	\$0.00029		Calculated
Cost per Kilogallon	\$0.294		Calculated
Chemicals			
Sulfuric Acid (Cost per Kilogallon)	\$0.090	Estimate	Unit Rate
Caustic Soda (Cost per Kilogallon)	\$0.023	Estimate	Unit Rate
Reductant (Cost per Kilogallon)	\$0.113	Estimate	Unit Rate
Antiscalent (Cost per Kilogallon)	\$0.124	Based on required dosage/estimated cost	Unit Rate
Repair & Maintenance (Cost per Kilogallon)	\$0.068	Estimate	Unit Rate
Sampling & Analysis (Cost per Kilogallon)	\$0.030	Estimate	Unit Rate

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>II REVERSE OSMOSIS (continued)</b>			
<b>A. PLANT &amp; OFFICE (continued)</b>			
Total Cost per Kilogallon	\$0.742		Calculated
Total Pumping Cost	\$152,169		Calculated
Utilities			
Power (Cost per Month)	\$560	Estimate	Unit Rate
Propane (Cost per Month)	\$225	Estimate	Unit Rate
Time for Treatment			
Minutes for Treatment	269,852		Calculated
Hours for Treatment	4,498		Calculated
Days for Treatment	187		Calculated
Average Days per Month	30.4		Calculated
Months for Treatment	6.2		Calculated
Utilities Cost	\$4,867		Calculated
<b>TOTAL PLANT &amp; OFFICE COST</b>	<b>\$157,036</b>		Calculated

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>II REVERSE OSMOSIS (continued)</b>			
<b>B. WELLFIELD</b>			
Cost Assumptions:			
Power			
Average Flow per Pump (Gallons per Minute)	32.00	Average value for each area	Data
Average Horsepower per Pump	7.50	Average value for each area	Data
Average Number of Pumps Required	23.8	Average value for each area	Data
Average Connected Horsepower	188.1	Pump horsepower plus 10 horsepower	Calculated
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	760	Planned flow	Data
Gallons per Hour	45,600		Calculated
Cost per Hour	\$8.42		Calculated
Cost per Gallon	\$0.0002		Calculated
Cost per Kilogallon	\$0.185		Calculated
Repair & Maintenance (Cost per Kilogallon)	\$0.115	Estimate	Unit Rate
Total Cost per Kilogallon	\$0.300		Calculated
<b>TOTAL WELLFIELD COST</b>	<b>\$61,456</b>		Calculated
<b>TOTAL REVERSE OSMOSIS COST</b>	<b>\$218,493</b>		Calculated

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>III RECIRCULATION</b>			
A. WELLFIELD			
Cost Assumptions:			
Power			
Average Flow per Pump (Gallons per Minute)	32	Estimate from pumping	Data
Average Horsepower per Pump	7.50	Estimate from pumping	Data
Average Number of Pumps Required	120.0	Estimate from pumping	Data
Average Connected Horsepower	905.0	Pumps plus 5 horsepower for HH	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	3840	Planned flow	Data
Gallons per Hour	230400		Calculated
Cost per Hour	\$40.51		Calculated
Cost per Gallon	\$0.0002		Calculated
Cost per Kilogallon	0.176		Calculated
Repair & Maintenance (Cost per Kilogallon)	\$0.115	Estimate	Unit Rate
Total Cost per Kilogallon	\$0.291		Calculated
<b>TOTAL WELLFIELD RECIRCULATION COST</b>	<b>\$9,940</b>		Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 10 of 37)

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>IV WASTE DISPOSAL WELL</b>			
Operating Assumptions:			
Annual Evaporation Capacity (Gallons)	0		Data
Average Monthly Evaporation Capacity (Gallons)	0		Calculated
Total Disposal Requirement			
Reverse Osmosis Brine (Total Gallons)	51,271,844	=Treatment Gallons * (1- Reverse Osmosis Recovery)	Calculated
Reverse Osmosis Brine (Total Kilogallons)	51,272		Calculated
Brine Concentration Factor	50%	Reverse Osmosis Design	Data
Total Concentrated Brine (Gallons)	25,635,922	= Reverse Osmosis Brine Gallons * Brine Concentration Factor	Calculated
Months of RO Operation	6.2		Calculated
Average Monthly Requirement (Gallons)	4,134,826	=Total Concentrated Brine / Months of Reverse Osmosis Operation	Calculated
Monthly Balance for DDW (Gallons)	4,134,826	=Average Monthly Requirement - Average Monthly Evaporation	Calculated
Total WDW Disposal (Gallons)	25,635,922		Calculated
Total WDW Disposal (Kilogallons)	25,636		Calculated
Cost Assumptions:			
Power			
Average Connected Horsepower	100.0	Estimate	Data
WDW Average Connected Horsepower	300.0	Estimate	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	115.0	Planned flow	Data
Gallons per Hour	6900		Calculated
Cost per Hour	\$17.90		Calculated
Cost per Gallon	\$0.0026		Calculated
Cost per Kilogallon	\$2.595		Calculated

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LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>IV WASTE DISPOSAL WELL (continued)</b>			
Chemicals			
Reverse Osmosis Antiscalent (Cost per Kilogallon)	\$0.225	Based on required dosage and cost	Unit Rate
WDW Antiscalent (Cost per Kilogallon)	\$0.254	Based on required dosage and cost	Unit Rate
Sulfuric Acid (Cost per Kilogallon)	\$0.315	Estimate	Unit Rate
Corrosion Inhibitor	\$0.244	Estimate	Unit Rate
Repair & Maintenance (Cost per Kilogallon)	\$0.130	Estimate	Unit Rate
Total Cost per Kilogallon	\$3.762		Calculated
<b>TOTAL WASTE DISPOSAL WELL COST</b>	<b>\$96,450</b>		Calculated
<b>V STABILIZATION MONITORING</b>			
Operating Assumptions:			
Time of Stabilization (Months)	9	Time frame required	Data
Frequency of Analysis (Months)	3	Required sampling	Data
Total Sets of Analysis	4	Required sampling	Data
Cost Assumptions:			
Power (Cost per Month)	\$1,125	Estimate	Unit Rate
Total Power Cost	\$10,125		Calculated
Sampling & Analysis (Cost per Set)	\$4,050	Estimate	Unit Rate
Total Sampling & Analysis Cost	\$16,200		Calculated
Utilities (Cost per Month)	\$2,250	Estimate	Unit Rate
Total Utilities Cost	\$20,250		Calculated
<b>TOTAL STABILIZATION COST</b>	<b>\$46,575</b>		Calculated

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**LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1**

Assumptions/Items				Mine Unit No. 1	Explanation	Source
<b>VI LABOR</b>						
Cost Assumptions						
	Crew Numbers	Cost per Hour	Hours per Year	Crew	Cost	
	1	\$50.00	7280	Project Manager	\$364,000	Anticipated operations crew Data
	1	\$40.00	7280	Supervisor/RSO	\$291,200	Anticipated operations crew Data
	1	\$30.00	7280	EHS Tech	\$218,400	Anticipated operations crew Data
	1	\$30.00	4160	Sampler	\$124,800	Anticipated operations crew Data
	8	\$30.00	2600	Plant and Field Operators	\$624,000	Anticipated operations crew Data
	1	\$30.00	4160	Chemist	\$124,800	Anticipated operations crew Data
	1	\$30.00	7280	Maintenance	\$218,400	Anticipated operations crew Data
	1	\$30.00	7280	Office Support	\$218,400	Anticipated operations crew Data
	1	\$30.00	7280	Equipment Operator	\$218,400	Anticipated operations crew Data
	4	\$30.00	2773	Reclamation Laborer	\$332,760	Anticipated operations crew Data
	1	\$35.00	5200	Foreman	\$182,000	Anticipated operations crew Data
	4	\$13.50	2080	Vehicles	\$112,320	Anticipated operations crew Data
<b>TOTAL RESTORATION LABOR COST</b>					<b>\$3,029,480</b>	
<b>VII RESTORATION CAPITAL REQUIREMENTS</b>						
	1	Plug and Abandon DDW (3)			\$306,270	\$104,090 for well 1 and \$101,090 for wells 2/3 Data
<b>TOTAL</b>					<b>\$306,270</b>	

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**LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1**

Assumptions/Items	Mine Unit No. 1	Explanation	Source
<b>SUMMARY:</b>			
I GROUNDWATER SWEEP	\$12,284		
II REVERSE OSMOSIS	\$218,493		
III RECIRCULATION	\$9,940		
IV WASTE DISPOSAL WELL	\$96,450		
V STABILIZATION	\$46,575		
VI LABOR	\$3,029,480		
VII CAPITAL	\$306,270		
<b>TOTAL GROUNDWATER RESTORATION COST</b>	<b>\$3,719,492</b>		

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**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: A. Plant Equipment Removal and Disposal - WORKSHEET 2**

Assumptions/Items	Shop / Lab / Office	Precipitation Section	Chemical Section	Ion Exchange Section	Restoration Section	Total	Explanation	Source
Volume (Cubic Yards)	68	46	17	111	96	338	Estimate of equipment to be removed	Data
Volume per Truck Load (Cubic Yards)	20	20	20	20	20		Typical load for shipping	Data
Number of Truck Loads	3.4	2.3	0.8	5.6	4.8	16.9		Calculated
<b>I DECONTAMINATION</b>								
Decontamination Cost per Truck Load	\$620	\$620	\$620	\$620	\$620		Estimated average decontaminate	Unit Rate
Percent Requiring Decontamination	50.0%	100.0%	0.0%	100.0%	100.0%		Percent expected	Data
<b>TOTAL DECONTAMINATION COST</b>	<b>\$1,060</b>	<b>\$1,428</b>	<b>\$0</b>	<b>\$3,443</b>	<b>\$2,963</b>	<b>\$8,894</b>		Calculated
<b>II DISMANTLING &amp; LOADING</b>								
Cost per Truck Load	\$805	\$805	\$805	\$805	\$805		Estimated average dismantle cost	Unit Rate
<b>TOTAL DISMANTLING &amp; LOADING COST</b>	<b>\$2,753</b>	<b>\$1,854</b>	<b>\$676</b>	<b>\$4,470</b>	<b>\$3,847</b>	<b>\$13,600</b>		Calculated
<b>III OVERSIZE</b>								
Percent Requiring Permits	0.0%	10.0%	10.0%	10.0%	10.0%			Data
Cost per Truck Load	\$367	\$367	\$367	\$367	\$367			Unit Rate
<b>TOTAL OVERSIZE COST</b>	<b>\$0</b>	<b>\$85</b>	<b>\$31</b>	<b>\$204</b>	<b>\$175</b>	<b>\$495</b>		Calculated
<b>IV TRANSPORTATION &amp; DISPOSAL</b>								
<b>A. Landfill</b>								
Percent to be Shipped	90.0%	50.0%	100.0%	50.0%	50.0%		Percent acceptable at landfill	Data
Distance (Miles)	48	48	48	48	48		Distance to landfill	Data
Cost per Mile	\$2.90	\$2.90	\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$429	\$160	\$117	\$386	\$333			Calculated
Disposal Fee per Cubic Yard	\$13.50	\$13.50	\$13.50	\$13.50	\$13.50		Landfill fee	Unit Rate
Disposal Cost	\$831	\$311	\$227	\$750	\$645			Calculated
<b>Total Cost</b>	<b>\$1,260</b>	<b>\$471</b>	<b>\$344</b>	<b>\$1,136</b>	<b>\$978</b>			Calculated
<b>B. Licensed Site</b>								
Percent to be Shipped	10.0%	50.0%	0.0%	50.0%	50.0%		Percent requiring disposal at licensed site	Calculated
Distance (Miles)	105	105	105	105	105		Distance to Shirley Basin	Data
Cost per Mile	\$2.90	\$2.90	\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$104	\$351	\$0	\$845	\$728			Calculated
Disposal Cost per Cubic Foot	\$12.38	\$12.38	\$12.38	\$12.38	\$12.38		Licensed site fee	Unit Rate
Volume per Truck Load (Cubic Yards)	20.0	20.0	20.0	20.0	20.0		Typical load for shipping	Data
Volume per Truck Load (Cubic Feet)	540	540	540	540	540			Calculated
Disposal Cost	\$2,287	\$7,697	\$0	\$18,562	\$15,975			Calculated
<b>Total Cost Licensed Site</b>	<b>\$2,391</b>	<b>\$8,047</b>	<b>\$0</b>	<b>\$19,407</b>	<b>\$16,702</b>			Calculated
<b>TOTAL TRANSPORTATION &amp; DISPOSAL COST</b>	<b>\$3,650</b>	<b>\$8,518</b>	<b>\$344</b>	<b>\$20,544</b>	<b>\$17,680</b>	<b>\$50,736</b>		Calculated
<b>TOTAL PLANT EQUIPMENT REMOVAL AND DISPOSAL COST</b>	<b>\$7,464</b>	<b>\$11,884</b>	<b>\$1,050</b>	<b>\$28,661</b>	<b>\$24,666</b>	<b>\$73,724</b>		Calculated

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**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: B. Plant Building Demolition and Disposal - WORKSHEET 3**

Assumptions/Items	Plant	Header Houses	Drill Shed	Total	Explanation	Source
<b>I STRUCTURE DEMOLITION &amp; DISPOSAL</b>						
Structural Character	2-Story Steel Frame	1-Story Pre Fab. (6)	1-Story Pole Barn			
Demolition Volume (Cubic Feet)	1,248,000	19,620	22,400		Estimated volume of structures	Data
Demolition Cost per Cubic Foot	\$0.1474	\$0.1474	\$0.0737			Unit Rate
Demolition Cost	\$183,955	\$2,892	\$1,651	\$188,498		Calculation
Factor For Gutting	20.0%	10.0%	10.0%			Data
Gutting Cost	\$36,791	\$289	\$165	\$37,245		Calculation
Weight (Pounds)	196,750	99,000	15,000		Estimated weight of building components	Data
	<b>Quantity</b>	<b>Height (Feet)</b>	<b>Length (Feet)</b>	<b>Area (Square Feet)</b>	<b>Density (Pounds per Square Foot)</b>	<b>Building Weight (Pounds)</b>
Ends	2	1	4800	9600	2.5	24000
Roof	2	82.5	260	42900	2.5	107250
Sidewall	2	20	260	10400	2.5	26000
Internal Wall	1	20	460	9200	2.5	23000
Internal Wall	1	30	220	6600	2.5	16500
<b>Total 2-Story Steel Frame Weight</b>						<b>196750</b>
Weight per Truck Load	40,000	40,000	40,000		Typical load for shipping	Data
Number of Truck Loads	4.9	2.5	0.4			Calculation
Distance to Landfill	48	48	48		Distance to landfill	Data
Cost per Mile	\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$685	\$345	\$52	\$1,081		
Disposal Cost per Ton	\$40.20	\$40.20	\$40.20		Landfill fee	Unit Rate
Disposal Cost	\$3,955	\$1,990	\$302	\$6,246		Calculation
<b>TOTAL STRUCTURE DEMOLITION &amp; DISPOSAL COST</b>	<b>\$225,386</b>	<b>\$5,516</b>	<b>\$2,170</b>	<b>\$233,071</b>		Calculation

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**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: B. Plant Building Demolition and Disposal - WORKSHEET 3**

Assumptions/Items	Plant	Header Houses	Drill Shed	Total	Explanation	Source
<b>II CONCRETE DECONTAMINATION, DEMOLITION &amp; DISPOSAL</b>						
Area (Square Feet)	30,050	283	565		Building concrete area	Data
Average Thickness (Feet)	1	1.0	0.3			Data
Volume (Cubic Feet)	30,050	283	141			Calculation
Percent Requiring Decontamination	75.0%	50.0%	0.0%			Data
Percent Decontaminated	75.0%	75.0%	0.0%			Data
Decontamination (Cost per Square Foot)	\$0.191	\$0.191	\$0.191			Unit Rate
Decontamination Cost	\$4,305	\$41	\$0	\$4,345		Calculation
Demolition (Cost per Square Foot)	\$2.124	\$2.124	\$0.100			Unit Rate
Demolition Cost	\$63,826	\$601	\$57	\$64,484		Calculation
Transportation & Disposal						
A. On-Site Disposal						
Percent to be Disposed On-Site	90%	90%	100%			Data
Transportation Cost	\$0	\$0	\$0			Data
Disposal Cost per Cubic Foot	\$0.055	\$0.055	\$0.055			Unit Rate
Disposal Cost	\$1,487	\$14	\$8	\$1,509		Calculation
B. Licensed Site						
Percent to be Shipped	10%	10%	0%			Calculation
Distance (Miles)	105	105	105			Data
Cost per Mile	\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$1,694	\$16	\$0	\$1,710		Calculation
Disposal Cost per Cubic Foot	\$4.16	\$4.16	\$4.16			Unit Rate
Volume per Truck Load (Cubic Yards)	20	20	20			Data
Volume per Truck Load (Cubic Feet)	540	540	540			Calculation
Disposal Cost	\$12,501	\$118	\$0	\$12,619		Calculation
<b>TOTAL CONCRETE DECONTAMINATION, DEMOLITION &amp; DISPOSAL COST</b>	<b>\$83,814</b>	<b>\$789</b>	<b>\$64</b>	<b>\$84,667</b>		Calculation

Table RP-4 Reclamation/Restoration Bond Estimate (Page 17 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: B. Plant Building Demolition and Disposal - WORKSHEET 3**

Assumptions/Items	Plant	Header Houses	Drill Shed	Total	Explanation	Source
<b>III SOIL REMOVAL &amp; DISPOSAL</b>						
Front End Loader Cost per Hour	\$50	\$50	\$50	\$50		
Time with Front End Loader (Hours)	16	6	1	23		
Cost of Front End Loader	\$800	\$300	\$50	\$1,150	Assume removal of 3" of Contaminated	Data
Volume to be Shipped (Cubic Feet)	2504	71	0		Soil Under Headers, 1" under Plant,	Data
Distance (Miles)	105	105	105		Disposal at a Licensed Facility	Data
Cost per Mile	\$2.90	\$2.90	\$2.90			Unit Rate
Transportation Cost	\$1,412	\$40	\$0	\$1,452		Calculation
Disposal Fee per Cubic Foot	\$4.16	\$4.16	\$4.16			Unit Rate
Quantity per Truck Load (Cubic Feet)	540	540	540			Data
Disposal Cost	\$10,417	\$294	\$0	\$10,712		Calculation
<b>TOTAL SOIL REMOVAL &amp; DISPOSAL COST</b>	<b>\$12,629</b>	<b>\$634</b>	<b>\$50</b>	<b>\$13,314</b>		Calculation
<b>IV RADIATION SURVEY</b>						
Area Required (Acres)	0.69	0.01	0.01			Data
Survey Cost per Acre	\$653.00	\$653.00	\$653.00			Unit Rate
<b>TOTAL RADIATION SURVEY COST</b>	<b>\$450</b>	<b>\$4</b>	<b>\$8</b>	<b>\$462</b>		Calculation
<b>TOTAL PLANT BUILDING DEMOLITION AND DISPOSAL COST</b>	<b>\$322,279</b>	<b>\$6,943</b>	<b>\$2,292</b>	<b>\$331,514</b>		Calculation

Table RP-4 Reclamation/Restoration Bond Estimate (Page 18 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: C. Storage Pond Sludge and Liner Handling - WORKSHEET 4**

Assumptions/Items	Pond 1 Storage	Pond 2 Storage	Total	Explanation	Source
<b>I POND SLUDGE</b>					
Average Sludge Depth (Feet)	0.250	0.250			Data
Average Sludge Area (Square Feet)	40,300	40,300			Data
Sludge Volume (Cubic Feet)	10,075	10,075			Calculated
Sludge Volume (Cubic Yards)	373	373			Calculated
Sludge Volume per Truck Load (Cubic Yards)	20.0	20.0			Data
Number of Sludge Truck Loads	18.7	18.7			Calculated
Sludge Handling Cost Per Load	\$268.00	\$268.00			Unit Rate
Total Sludge Handling Cost	\$5,012	\$5,012	\$10,023		Calculated
<b>Transportation &amp; Disposal</b>					
Percent to be Shipped	100.0%	100.0%			Data
Distance (Miles)	105	105			Data
Cost per Mile	\$2.90	\$2.90			Unit Rate
Transportation Cost	\$5,694	\$5,694			Calculated
Disposal Cost per Cubic Foot	\$12.38	\$12.38			Unit Rate
Volume per Truck Load (Cubic Yards)	20.0	20.0			Data
Volume per Truck Load (Cubic Feet)	540	540			Calculated
Disposal Cost	\$125,013	\$125,013			Calculated
Total Transportation & Disposal Cost	\$130,707	\$130,707	\$261,414		Calculated
<b>TOTAL POND SLUDGE COST</b>	<b>\$135,719</b>	<b>\$135,719</b>	<b>\$271,438</b>		Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 19 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: C. Storage Pond Sludge and Liner Handling - WORKSHEET 4**

Assumptions/Items	Pond 1 Storage	Pond 2 Storage	Total	Explanation	Source
<b>II POND LINER</b>					
Total Pond Area (Acres)	0.93	0.93			Data
Total Pond Area (Square Feet)	40,300	40,300			Calculated
Factor For Sloping Sides	20.0%	20.0%			Data
Total Liner Area (Square Feet)	48360	48360			Calculated
Liner Thickness (Mils)	30	30			Data
Liner Thickness (Inches)	0.0300	0.0300			Calculated
Liner Thickness (Feet)	0.0025	0.0025			Calculated
"Swell" Factor	25.0%	25.0%			Data
Liner Volume (Cubic Feet)	151	151			Calculated
Truck Loads of Liner	0.3	0.3			Calculated
<b>Liner Handling Cost</b>					
Labor Crew Cost per Hour	\$135	\$135			Unit Rate
Hours per Load	2.0	2.0			Unit Rate
Liner Handling Cost per Load	\$270.00	\$270.00			Calculated
Total Liner Handling Cost	\$81	\$81	\$162		Calculated
<b>Transportation &amp; Disposal</b>					
Percent to be Shipped	100.0%	100.0%			Data
Distance (Miles)	105	105			Data
Cost per Mile	\$2.90	\$2.90			Unit Rate
Transportation Cost	\$91	\$91			Calculated
Disposal Cost per Cubic Foot	\$12.38	\$12.38			Unit Rate
Volume per Truck Load (Cubic Feet)	540	540			Data
Disposal Cost	\$2,006	\$2,006			Calculated
Total Transportation & Disposal	\$2,097	\$2,097	\$4,194		Calculated
<b>TOTAL POND LINER COST</b>	<b>\$2,178</b>	<b>\$2,178</b>	<b>\$4,356</b>		Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 20 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: C. Storage Pond Sludge and Liner Handling - WORKSHEET 4**

Assumptions/Items	Pond 1 Storage	Pond 2 Storage	Total	Explanation	Source
<b>III POND BACKFILL</b>					
Backfill Required (Cubic Yards)	10,448	10,448			Data
Backfill Cost per Cubic Yard	\$1.13	\$1.13			Unit Rate
<b>TOTAL POND BACKFILL COST</b>	<b>\$11,806</b>	<b>\$11,806</b>	<b>\$23,612</b>		Calculated
<b>IV RADIATION SURVEY</b>					
Areal required (Acres)	1.02	1.02			Data
Survey Cost per Acre	\$653.00	\$653.00			Unit Rate
<b>TOTAL RADIATION SURVEY COST</b>	<b>\$665</b>	<b>\$665</b>	<b>\$1,330</b>		Calculated
<b>V LEAK DETECTION SYSTEM REMOVAL</b>					
Gravel and Piping Volume (Cubic Feet)	10075	10075		Assume 3 inches	Data
Volume per Truck Load (Cubic Feet)	540	540			Data
Loads to be Shipped	18.7	18.7			Calculated
Distance (Miles)	105	105			Data
Cost per Mile	\$2.90	\$2.90			Unit Rate
Transportation Cost	\$5,681	\$5,681			Calculated
Handling Cost	\$5,038	\$5,038			Unit Rate (Imbedded)
Disposal Fee per Cubic Foot	\$4.16	\$4.16			Unit Rate
Disposal Cost	\$41,912	\$41,912			Calculated
<b>TOTAL LEAK DETECTION SYSTEM REMOVAL COST</b>	<b>\$52,631</b>	<b>\$52,631</b>	<b>\$105,261</b>		Calculated
<b>TOTAL POND RECLAMATION COST</b>	<b>\$202,998</b>	<b>\$202,998</b>	<b>\$405,997</b>		Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 21 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: D. Well Abandonment - WORKSHEET 5**

Assumptions/Items	Mine Unit No. 1	Explanation	Source
Number of Wells	397		Data
Average Depth (Feet)	410		Data
Average Diameter (Inches)	4.328		Data
<b>I MATERIALS</b>			
Class G Neat Cement Required (Cubic Feet per Well)	41.9		Data
Cement Sacks Required per Well	32.7	15 ppg Class G cement requires 6 gallons water per sack cement and 1-1/2% bentonite by weight	Data
Cement Sack Cost	\$14.43		Unit Rate
Cement Cost per Well	\$472.22		Calculated
Bentonite Sacks Required per Well	0.9		Data
Bentonite Bag Cost	\$2.90		Unit Rate
Bentonite Cost per Well	\$2.68		Calculated
<b>TOTAL MATERIALS COST PER WELL</b>	<b>\$474.89</b>		<b>Calculated</b>
<b>II LABOR (INCLUDED IN WORKSHEET 1)</b>			
Hours Required per Well	0.0		Data
Labor Cost per Hour	\$0.00		Unit Rate
<b>TOTAL LABOR COST PER WELL</b>	<b>\$0.00</b>		<b>Calculated</b>
<b>III EQUIPMENT RENTAL</b>			
Hours Required per Well	1.0		Data
Backhoe with Operator Cost per Hour	\$48.00		Unit Rate
Total Equipment Cost per Well	\$48.00		Calculated
<b>TOTAL EQUIPMENT COST PER WELL</b>	<b>\$522.89</b>		<b>Calculated</b>
<b>TOTAL WELL ABANDONMENT COST</b>	<b>\$207,589</b>		<b>Calculated</b>

Table RP-4 Reclamation/Restoration Bond Estimate (Page 22 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>I WELLFIELD PIPING</b>		
<b>A. Removal</b>		
Surface Length per Well (Feet)	250	
Downhole Length per Well (Feet)	350	
Total Number of Wells	328	
Total Length (Feet)	196,800	Calculated
Cost of Removal per Foot	\$0.109	Unit Rate
Cost of Removal	\$21,353	Calculated
Average OD (Inches)	1.6	
Chipped Volume Reduction (Cubic Feet per Foot)	0.008	Unit Rate
Chipped Volume (Cubic Feet)	1,574	Calculated
Volume per Truck Load (Cubic Feet)	540	
Total Number of Truck Loads	2.9	Calculated
<b>B. Survey &amp; Decontamination</b>		
Percent Requiring Decontamination	0%	
Number of Decontamination Loads	0.0	Calculated
Decontamination Cost per Load	\$620.00	Unit Rate
Decontamination Cost	\$0	Calculated
<b>C. Transport &amp; Disposal</b>		
<b>Landfill</b>		
<b>Transportation</b>		
Percent to be Shipped	0.0%	
Loads to be Shipped	0.0	Calculated
Distance (Miles)	48	
Transportation Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$0	Calculated
<b>Disposal</b>		
Disposal Fee per Cubic Yard	\$13.50	Unit Rate
Load Volume (Cubic Yards)	20	
Disposal Cost	\$0	Calculated
Total Landfill Cost	\$0	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 23 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>I WELLFIELD PIPING (continued)</b>		
C. Transport & Disposal (continued)		
Licensed Site		
Transportation		
Percent to be Shipped	100.0%	Calculated
Loads to be Shipped	2.9	Calculated
Distance (Miles)	105	
Transportation Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$883	Calculated
Disposal		
Disposal Fee per Cubic Foot	\$12.38	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	Calculated
Load Volume (Cubic Yards)	20	
Disposal Cost	\$19,387	Calculated
Total Licensed Site Cost	\$20,270	Calculated
Total Transport & Disposal Cost	\$20,270	Calculated
<b>TOTAL WELLFIELD PIPING REMOVAL &amp; DISPOSAL COST</b>	<b>\$41,623</b>	Calculated
<b>II PRODUCTION WELL PUMPS</b>		
A. Pump and Tubing Removal		
Number of Production Wells	120	
Removal Cost per Well	\$12.07	Unit Rate
Removal Cost	\$1,448	Calculated
Number of Pumps per Truck Load	180	
Number of Truck Loads (Pumps)	0.7	Calculated
B. Survey & Decontamination (Pumps)		
Percent Requiring Decontamination	0.0%	
Number of Decontamination Truck Loads	0.0	Calculated
Decontamination Cost per Load	\$0.00	Unit Rate
Decontamination Cost	\$0	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 24 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>II PRODUCTION WELL PUMPS (continued)</b>		
<b>C. Tubing Volume Reduction &amp; Loading</b>		
Length per Well (Feet)	360	
Total Length (Feet)	43,200	Calculated
Removal Cost per Foot	\$0.014	Unit Rate
Removal Cost	\$583	Calculated
Average OD (Inches)	2.0	
Chipped Volume Reduction (Cubic Feet per Foot)	0.012	
Chipped Volume (Cubic Feet)	518	Calculated
Volume per Truck Load (Cubic Feet)	540	
Number of Truck Loads	1.0	Calculated
<b>D. Transport &amp; Disposal</b>		
Landfill		
Transportation		
Percent to be Shipped (Pumps)	100.0%	
Loads to be Shipped	0.7	Calculated
Distance (Miles)	48	
Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$97	Calculated
Disposal		
Disposal Fee per Cubic Yard	\$13.50	Unit Rate
Load Volume (Cubic Yards)	20	
Disposal Cost	\$189	Calculated
Total Landfill Cost	\$286	Calculated
Licensed Site		
Transportation		
Percent to be Shipped (Pumps)	0.0%	
Percent to be Shipped (Tubing)	100.0%	
Loads to be Shipped	1.0	Calculated
Distance (Miles)	105	
Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$292	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 25 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>II PRODUCTION WELL PUMPS (continued)</b>		
D. Transport & Disposal (continued)		
Licensed Site (continued)		
Disposal		
Disposal Cost per Cubic Foot	\$12.38	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	Calculated
Load Volume (Cubic Yards)	20	
Disposal Cost	\$6,418	Calculated
Total Licensed Site Cost	\$6,710	Calculated
Total Transport & Disposal Cost	\$6,997	Calculated
<b>TOTAL PRODUCTION WELL PUMP REMOVAL &amp; DISPOSAL COST</b>	<b>\$9,028</b>	Calculated
<b>III SURFACE TRUNKLINE PIPING</b>		
A. Removal		
Total Length (Feet)	0	
Removal Cost per Foot	\$0.081	Unit Rate
Removal Cost	\$0	Calculated
Average OD (Inches)	8.750	
Chipped Volume Reduction (Cubic Feet per Foot)	0.088	Unit Rate
Chipped Volume (Cubic Feet)	0	Calculated
Volume per Truck Load (Cubic Feet)	540	
Total Number of Truck Loads	0.0	Calculated
B. Survey & Decontamination		
Percent Requiring Decontamination	0.0%	
Number of Decontamination Truck Loads	0.0	Calculated
Decontamination Cost per Load	\$0.00	Unit Rate
Decontamination Cost	\$0	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 26 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>III SURFACE TRUNKLINE PIPING (continued)</b>		
C. Transport & Disposal		
Landfill		
Transportation		
Percent to be Shipped	0.0%	
Loads to be Shipped	0.0	Calculated
Distance (Miles)	48	
Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$0	Calculated
Disposal		
Disposal Fee per Cubic Yard	\$13.50	Unit Rate
Load Volume (Cubic Yards)	20	
Disposal Cost	\$0	Calculated
Total Landfill Cost	\$0	Calculated
Licensed Site		
Transportation		
Percent to be Shipped	100.0%	Calculated
Loads to be Shipped	0.0	Calculated
Distance (Miles)	105	
Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$0	Calculated
Disposal		
Disposal Cost per Cubic Foot	\$12.38	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	Calculated
Load Volume (Cubic Yards)	20	
Disposal Cost	\$0	Calculated
Total Licensed Site Cost	\$0	Calculated
Total Transport & Disposal Cost	\$0	Calculated
<b>TOTAL SURFACE TRUNKLINE PIPING REMOVAL &amp; DISPOSAL COST</b>	<b>\$0</b>	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 27 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>IV BURIED TRUNKLINE</b>		
<b>A. Removal</b>		
Total Length (Feet)	24,304	
Removal Cost per Buried Foot	\$1.58	Unit Rate
Removal Cost	\$19,139	Calculated
Average OD (Inches)	9.635	
Chipped Volume Reduction (Cubic Feet per Foot)	0.309	Unit Rate
Chipped Volume (Cubic Feet)	7,510	Calculated
Volume per Truck Load (Cubic Feet)	540	
Number of Truck Loads	13.9	Calculated
<b>B. Survey &amp; Decontamination</b>		
Percent Requiring Decontamination	0.0%	
Number of Decontamination Truck Loads	0.0	Calculated
Decontamination Cost per Load	\$0.00	Unit Rate
Decontamination Cost	\$0	Calculated
<b>C. Transport &amp; Disposal</b>		
<b>Landfill</b>		
<b>Transportation</b>		
Percent to be Shipped	0.0%	
Loads to be Shipped	0.0	Calculated
Distance (Miles)	48	
Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$0	Calculated
<b>Disposal</b>		
Disposal Fee per Cubic Yard	\$13.50	Unit Rate
Load Volume (Cubic Yards)	20	
Disposal Cost	\$0	Calculated
<b>Total Landfill Cost</b>	<b>\$0</b>	<b>Calculated</b>

Table RP-4 Reclamation/Restoration Bond Estimate (Page 28 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>IV BURIED TRUNKLINE (continued)</b>		
C. Transport & Disposal (continued)		
Licensed Site		
Transportation		
Percent to be Shipped	100.0%	Calculated
Loads to be Shipped	13.9	Calculated
Distance (Miles)	105	
Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$4,233	Calculated
Disposal		
Disposal Cost per Cubic Foot	\$12.38	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	Calculated
Load Volume (Cubic Yards)	20	
Disposal Cost	\$92,924	Calculated
Total Licensed Site Cost	\$97,157	Calculated
Total Transport & Disposal Cost	\$97,157	Calculated
<b>TOTAL BURIED TRUNKLINE REMOVAL &amp; DISPOSAL COST</b>	<b>\$116,296</b>	Calculated
<b>V MANHOLES</b>		
A. Removal		
Total Quantity	9	
Removal Cost per Manhole	\$73.16	Unit Rate
Removal Cost	\$658	Calculated
Quantity per Truck Load	10	
Number of Truck Loads	0.9	Calculated
B. Survey & Decontamination		
Percent Requiring Decontamination	0.0%	
Number of Decontamination Truck Loads	0.0	Calculated
Decontamination Cost per Load	\$0.00	Unit Rate
Decontamination Cost	\$0	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 29 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6**

Assumptions/Items	Mine Unit No. 1	Source
<b>V MANHOLES (continued)</b>		
C. Transport & Disposal		
Landfill		
Transportation		
Percent to be Shipped	0.0%	
Loads to be Shipped	0.0	Calculated
Distance (Miles)	48	Unit Rate
Cost per Mile	\$2.90	Calculated
Transportation Cost	\$0	
Disposal		
Disposal Fee per Cubic Yard	\$13.50	Unit Rate
Load Volume (Cubic Yards)	20	
Disposal Cost	\$0	Calculated
Total Landfill Cost	\$0	Calculated
Licensed Site		
Transportation		
Percent to be Shipped	100.0%	Calculated
Loads to be Shipped	0.9	Calculated
Distance (Miles)	105	
Cost per Mile	\$2.90	Unit Rate
Transportation Cost	\$274	Calculated
Disposal		
Disposal Cost per Cubic Foot	\$12.38	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	Calculated
Load Volume (Cubic Yards)	20	
Disposal Cost	\$6,017	Calculated
Total Licensed Site Cost	\$6,291	Calculated
Total Transport & Disposal Cost	\$6,291	Calculated
<b>TOTAL MANHOLE REMOVAL &amp; DISPOSAL COST</b>	<b>\$6,949</b>	Calculated
<b>TOTAL WELLFIELD EQUIPMENT REMOVAL AND DISPOSAL COST</b>	<b>\$173,896</b>	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 30 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7**

Assumptions/Items	Mine Unit No. 1	Source
<b>I PLANT</b>		
<b>A. Topsoil Handling &amp; Grading</b>		
Affected Area (Acres)	5.0	
Average Affected Thickness (Inches)	12.0	
Topsoil Volume (Cubic Yards)	8,067	Calculated
Hauling/Placement Cost per Cubic Yard	\$1.13	Unit Cost
Topsoil Handling Cost	\$9,115	Calculated
Grading Cost per Acre	\$56.28	Unit Cost
Grading Cost	\$281	Calculated
Total Topsoil Handling & Grading Cost	\$9,397	Calculated
<b>B. Radiation Survey &amp; Soil Analysis</b>		
Survey & Analysis Cost per Acre	\$653.00	Unit Cost
Total Survey & Analysis Cost	\$3,265	Calculated
<b>C. Revegetation</b>		
Fertilizer Cost per Acre	\$52.33	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	Unit Cost
Total Revegetation Cost per Acre	\$553.43	Calculated
Total Revegetation Cost	\$2,767	Calculated
<b>TOTAL PLANT COST</b>	<b>\$15,429</b>	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 31 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7**

Assumptions/Items	Mine Unit No. 1	Source
<b>II PONDS</b>		
<b>A. Topsoil Handling &amp; Grading</b>		
Affected Area (Acres)	5.0	
Average Affected Thickness (Inches)	12	
Topsoil Volume (Cubic Yards)	8,067	Calculated
Hauling/Placement Cost per Cubic Yard	\$1.13	Unit Cost
Topsoil Handling Cost	\$9,115	Calculated
Grading Cost per Acre	\$56.28	Unit Cost
Grading Cost	\$281	Calculated
Total Topsoil Handling & Grading Cost	\$9,397	Calculated
<b>B. Radiation Survey &amp; Soil Analysis</b>		
Survey & Analysis Cost per Acre	\$653.00	Unit Cost
Total Survey & Analysis Cost	\$3,265	Calculated
<b>C. Revegetation</b>		
Fertilizer Cost per Acre	\$52.33	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	Unit Cost
Total Revegetation Cost per Acre	\$553.43	Calculated
Total Revegetation Cost	\$2,767	Calculated
<b>TOTAL POND COST</b>	<b>\$15,429</b>	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 32 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7**

Assumptions/Items	Mine Unit No. 1	Source
<b>III WELLFIELDS</b>		
<b>A. Topsoil Handling &amp; Grading</b>		
Affected Area (Acres)	0.0	
Average Affected Thickness (Inches)	3.5	
Topsoil Volume (Cubic Yards)	0	Calculated
Hauling/Placement Cost per Cubic Yard	\$1.13	Unit Cost
Topsoil Handling Cost	\$0	Calculated
Grading Cost per Acre	\$56.28	Unit Cost
Grading Cost	\$0	Calculated
Total Topsoil Handling & Grading Cost	\$0	Calculated
<b>B. Radiation Survey &amp; Soil Analysis</b>		
Survey & Analysis Cost per Acre	\$653.00	Unit Cost
Total Survey & Analysis Cost	\$0	Calculated
<b>C: Spill Cleanup</b>		
Affected Area (Acres)	-	Calculated
Affected Area (Square Feet)	-	
Average Affected Thickness (Feet)	0.25	
Affected Volume (Cubic Feet)	-	Calculated
Volume per Truck Load (Cubic Feet)	540	
Number of Truck Loads	0.0	Calculated
Distance (Miles)	105	
Cost per Mile	\$2.90	Unit Cost
Transportation Cost	\$0	Calculated
Handling Cost per Truck Load	\$238	Unit Cost
Handling Cost	\$0	Calculated
Disposal Fee per Cubic Foot	\$4.16	Unit Cost
Disposal Cost	\$0	Calculated
Total Spill Cleanup Cost	\$0	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 33 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7**

Assumptions/Items	Mine Unit No. 1	Source
<b>III WELLFIELDS (continued)</b>		
D. Revegetation		
Fertilizer Cost per Acre	\$52.33	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	Unit Cost
Total Revegetation Cost per Acre	\$553.43	Calculated
Total Revegetation Cost	\$0	Calculated
<b>TOTAL WELLFIELDS COST</b>	<b>\$0</b>	<b>Calculated</b>
<b>IV ROADS</b>		
A. Topsoil Handling & Grading		
Affected Area (Acres)	11.1	
	<b>Main Road Lengths (ft)</b>	<b>Secondary Road Lengths (ft)</b>
	1,556	
	594	
	228	
	356	966
	362	391
	211	276
	2,309	291
	1,260	311
	244	257
	1,029	330
	5,049	323
	<b>13,198</b>	<b>3,145 Total Road Lengths (Feet)</b>
	20	12 Road Width (Feet)
	12	8 Road Borrow (Feet)
	32	20 Road Width and Borrow (Feet)
	9.7	1.4 Road Area (Acres)
	<b>11.1</b>	<b>Total Road Area (Acres)</b>

Table RP-4 Reclamation/Restoration Bond Estimate (Page 34 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7**

Assumptions/Items	Mine Unit No. 1	Source
<b>IV ROADS (continued)</b>		
<b>A. Topsoil Handling &amp; Grading (continued)</b>		
Average Affected Thickness (Inches)	12	
Topsoil Volume (Cubic Yards)	17,908	Calculated
Hauling/Placement Cost per Cubic Yard	\$1.13	Unit Cost
Topsoil Handling Cost	\$20,236	Calculated
Grading Cost per Acre	\$56.28	Unit Cost
Grading Cost	\$625	Calculated
Total Topsoil Handling & Grading Cost	\$20,861	Calculated
<b>B. Radiation Survey &amp; Soil Analysis</b>		
Survey & Analysis Cost per Acre	\$653.00	Unit Cost
Total Survey & Analysis Cost	\$7,248	Calculated
<b>C. Revegetation</b>		
Fertilizer Cost per Acre	\$52.33	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	Unit Cost
Total Revegetation Cost per Acre	\$553.43	Calculated
Total Revegetation Cost	\$6,143	Calculated
<b>TOTAL ROADS COST</b>	<b>\$34,252</b>	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 35 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7**

Assumptions/Items	Mine Unit No. 1	Source
<b>V OTHER</b>		
<b>A. Topsoil Handling &amp; Grading</b>		
Affected Area (Acres)	1.0	
Average Affected Thickness (Inches)	3.0	
Topsoil Volume (Cubic Yards)	403.33	Calculated
Hauling/Placement Cost per Cubic Yard	\$1.13	Unit Cost
Topsoil Handling Cost	\$456	Calculated
Grading Cost per Acre	\$56.28	Unit Cost
Grading Cost	\$56	Calculated
Total Topsoil Handling & Grading Cost	\$512	Calculated
<b>B. Radiation Survey &amp; Soil Analysis</b>		
Survey & Analysis Cost per Acre	\$653.00	Unit Cost
Total Survey & Analysis Cost	\$653	Calculated
<b>C. Revegetation</b>		
Fertilizer Cost per Acre	\$52.33	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	Unit Cost
Total Revegetation Cost per Acre	\$553.43	Calculated
Total Revegetation Cost	\$553	Calculated
<b>TOTAL OTHER COST</b>	<b>\$1,718</b>	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate (Page 36 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7**

Assumptions/Items	Mine Unit No. 1	Source
<b>VI REMEDIAL ACTION</b>		
<b>A. Topsoil Handling &amp; Grading</b>		
Affected Area (Acres)	11.1	
Average Affected Thickness (Inches)	0.0	
Topsoil Volume (Cubic Yards)	0	Calculated
Hauling/Placement Cost per Cubic Yard	\$1.13	Unit Cost
Topsoil Handling Cost	\$0	Calculated
Grading Cost per Acre	\$0.00	Unit Cost
Grading Cost	\$0	Calculated
Total Topsoil Handling & Grading Cost	\$0	Calculated
<b>B. Radiation Survey &amp; Soil Analysis</b>		
Survey & Analysis Cost per Acre	\$0.00	Unit Cost
Total Survey & Analysis Cost	\$0	Calculated
<b>C. Revegetation</b>		
Fertilizer Cost per Acre	\$52.33	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	Unit Cost
Total Revegetation Cost per Acre	\$553.43	Calculated
Total Revegetation Cost	\$6,115	Calculated
<b>TOTAL REMEDIAL ACTION COST</b>	<b>\$6,115</b>	Calculated
<b>TOTAL TOPSOIL REPLACEMENT AND REVEGETATION COST</b>	<b>\$72,944</b>	

Table RP-4 Reclamation/Restoration Bond Estimate (Page 37 of 37)

**LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: G. Miscellaneous Reclamation Activities - WORKSHEET 8**

Assumptions/Items	Quantity	Source
<b>I FENCE REMOVAL &amp; DISPOSAL</b>		
Length (Feet)	9,500	
Removal & Disposal Cost per Foot	\$0.34	Unit Cost
<b>TOTAL FENCE REMOVAL AND DISPOSAL COST</b>	<b>\$3,230</b>	<b>Calculated</b>
<b>II POWERLINE REMOVAL &amp; DISPOSAL</b>		
Length (Feet)	15,300	
Removal & Disposal Cost per Foot	\$1.00	Unit Cost
<b>TOTAL POWERLINE REMOVAL &amp; DISPOSAL COST</b>	<b>\$15,300</b>	<b>Calculated</b>
<b>III POWERPOLE REMOVAL &amp; DISPOSAL</b>		
Number of Powerpoles	51	
Removal & Disposal Cost per Powerpole	\$100.00	Unit Cost
<b>TOTAL POWERPOLE REMOVAL &amp; DISPOSAL COST</b>	<b>\$5,100</b>	<b>Calculated</b>
<b>IV TRANSFORMER REMOVAL &amp; DISPOSAL</b>		
Number of Transformers	12	
Removal & Disposal Cost per Transformer	\$2,428	Unit Cost
<b>TOTAL TRANSFORMER REMOVAL &amp; DISPOSAL COST</b>	<b>\$29,131</b>	<b>Calculated</b>
<b>V BOOSTER PUMP ASSEMBLY REMOVAL &amp; DISPOSAL</b>		
Number of Booster Pump Assemblies	0	
Removal & Disposal Cost per Booster Pump Assembly	\$149	Unit Cost
<b>TOTAL BOOSTER PUMP ASSEMBLY REMOVAL &amp; DISPOSAL COST</b>	<b>\$0</b>	<b>Calculated</b>
<b>VI CULVERT REMOVAL &amp; DISPOSAL</b>		
Length (Feet)	200	
Removal & Disposal Cost per Foot	\$1.74	Unit Cost
<b>TOTAL CULVERT REMOVAL &amp; DISPOSAL COST</b>	<b>\$348</b>	<b>Calculated</b>
<b>VII UTILITIES</b>		
Number of Months	6	
Cost per Month	\$2,380	Unit Cost
<b>TOTAL UTILITIES COST</b>	<b>\$14,280</b>	<b>Calculated</b>
<b>VIII DDW PIPELINE REMOVAL AND DISPOSAL</b>		
Length (Feet)	21,730	
Removal & Disposal Cost per Foot	\$2.43	Unit Cost
<b>TOTAL DDW PIPELINE REMOVAL &amp; DISPOSAL COST</b>	<b>\$52,804</b>	<b>Calculated</b>
<b>TOTAL MISCELLANEOUS RECLAMATION ACTIVITIES COST</b>	<b>\$120,193</b>	<b>Calculated</b>