

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2004 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation	XXXXX-810-23-3600	\$9,287,826
Other On-Site Demolition	XXXXX-810-23-3300	\$157,068
TOTAL PHYSICAL RECLAMATION COSTS		\$9,444,894

LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT	XXXXX-810-23-5100	\$12,292,638																				
	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding-left: 20px;">General</td><td style="text-align: right;">\$814,470</td></tr> <tr><td style="padding-left: 20px;">Tailings Water Management</td><td style="text-align: right;">\$747,572</td></tr> <tr><td style="padding-left: 20px;">Groundwater Management</td><td style="text-align: right;">\$2,262,532</td></tr> <tr><td style="padding-left: 20px;">R.O. Plant Operations</td><td style="text-align: right;">\$3,828,624</td></tr> <tr><td style="padding-left: 20px;">In-Situ Bioremediation and Remediation</td><td style="text-align: right;">\$841,204</td></tr> <tr><td style="padding-left: 20px;">Evaporation System Management</td><td style="text-align: right;">\$1,976,306</td></tr> <tr><td style="padding-left: 20px;">Irrigation System Management</td><td style="text-align: right;">\$1,821,931</td></tr> </table>	General	\$814,470	Tailings Water Management	\$747,572	Groundwater Management	\$2,262,532	R.O. Plant Operations	\$3,828,624	In-Situ Bioremediation and Remediation	\$841,204	Evaporation System Management	\$1,976,306	Irrigation System Management	\$1,821,931							
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Evaporation System Management	\$1,976,306																					
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Monitoring / Regulatory	XXXXX-810-23-5200	\$1,437,201																				
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HOLDING	XXXXX-811-23-5300	\$414,000																				
	Land	\$414,000																				
SECURITY & MAINTENANCE	XXXXX-811-23-5400	\$36,000																				
	Land & Structures	\$36,000																				
SEVERANCE AND RELOCATION	XXXXX-XXX-XX-XXXX	\$600,000																				
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GENERAL & ADMIN.	XXXXX-810-23-5500	\$4,550,508																				
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Professional Fees	\$135,000																					
Outside Services	\$72,000																					
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS		\$19,330,347																				
TOTAL INCOME		(\$310,000)																				
TOTAL EXPENSES LESS INCOME		\$28,465,241																				
	15% Contingency fee per NUREG-1620 Appendix C	\$4,269,786																				
	NRC Long-Term Maintenance / Surveillance Fee	\$686,944																				
TOTAL WITH CONTINGENCY AND LT SURVEILLANCE FEE		\$33,421,971																				

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 2004 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation XXXXX-810-23-3600 **\$9,287,826**

711040-	Consulting	\$761,797	
714090-	Outside Services	\$8,526,029	
	Total	\$9,287,826	

Other On-Site Demolition XXXXX-810-23-3300 **\$157,068**

711040-	Consulting	\$29,151	
714090-	Outside Services	\$127,917	
	Total	\$157,068	

TOTAL PHYSICAL RECLAMATION COSTS **\$9,444,894**

LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT XXXXX-810-23-5100 **\$12,292,638**

General

\$814,470

717050 -	Fuel:	\$88,952	
718010 -	Freight and Transportation:	\$45,000	
717060 -	Equipment Expenses:	\$219,000	
717075 -	Vehicle Expenses:	\$236,000	
610020 -	Utilities:	\$225,518	
	Total	\$814,470	

Tailings Water Management

\$747,572

711030 -	Water Analysis:	\$33,386	
714010 -	Driller costs:	\$350,000	
610020 -	Utilities:	\$2,839	
	Total	\$386,225	

Tailings Collection

714090 -	Outside Services:	\$76,000	
711040 -	Consulting Services:	\$60,000	
711020 -	Parts and Supplies:	\$87,000	
712010 -	Pumps:	\$31,500	
	Total	\$254,500	

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Toe Drains and Sumps Collection

711040 -	Consulting Services:	\$10,000
714090 -	Outside Services:	\$3,000
711020 -	Parts and Supplies:	\$5,200
712010 -	Pumps:	\$1,160
Total		\$19,360

Tailings Flushing

711040 -	Consulting Services:	\$20,000
714090 -	Outside Services:	\$3,000
Injection System		
711020 -	Parts and Supplies:	\$6,250
Injection Supply System		
711020 -	Parts and Supplies:	\$8,500
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$45,537
Total		\$87,487

Groundwater Management

\$2,262,532

711030 -	Water Analysis:	\$273,436
714010 -	Driller costs:	\$543,500
Total		\$816,936

Groundwater Collection

714090 -	Outside Services:	\$133,000
711040 -	Consulting Services:	\$245,000
610020 -	Utilities:	\$98,130
C-Line		
711020 -	Parts and Supplies:	\$6,250
712010 -	Pumps:	\$6,300
K-Line		
711020 -	Parts and Supplies:	\$22,750
712010 -	Pumps:	\$23,100
610020 -	Utilities:	\$1,384
B-Line		
711020 -	Parts and Supplies:	\$6,250
712010 -	Pumps:	\$6,300
D-Line		
711020 -	Parts and Supplies:	\$13,000
712010 -	Pumps:	\$12,600
S-Line		
711020 -	Parts and Supplies:	\$13,000
712010 -	Pumps:	\$12,600
610020 -	Utilities:	\$4,943
P-Line		
711020 -	Parts and Supplies:	\$4,500
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$7,974
T-Line		
711020 -	Parts and Supplies:	\$54,250
712010 -	Pumps:	\$60,900
L-Line		
711020 -	Parts and Supplies:	\$4,500
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$2,636

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521, 522, and 639		
711020 -	Parts and Supplies:	\$4,500
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$2,372
	Total	\$758,839

Groundwater Injection

714090 -	Outside Services:	\$14,000
711040 -	Consulting Services:	\$245,000
Deep Wells		
711020 -	Parts and Supplies:	\$49,050
712010 -	Pumps:	\$45,000
610020 -	Utilities:	\$192,107
WR-Line		
711020 -	Parts and Supplies:	\$3,300
M-Line		
711020 -	Parts and Supplies:	\$0
B-Line		
711020 -	Parts and Supplies:	\$19,400
C-Line		
711020 -	Parts and Supplies:	\$19,500
K-Line		
711020 -	Parts and Supplies:	\$0
J-Line		
711020 -	Parts and Supplies:	\$3,400
X-Line		
711020 -	Parts and Supplies:	\$20,200
G-Line		
711020 -	Parts and Supplies:	\$4,600
D-Line		
711020 -	Parts and Supplies:	\$19,600
T-Line		
711020 -	Parts and Supplies:	\$20,700
S-Line		
711020 -	Parts and Supplies:	\$22,500
Upper Chinle		
711020 -	Parts and Supplies:	\$5,100
Middle Chinle		
711020 -	Parts and Supplies:	\$3,300
	Total	\$686,757

R.O. Plant Operations

\$3,828,624

714090 -	Outside Services:	\$126,000
711040 -	Consulting Services:	\$350,000
610020 -	Utilities:	\$815,282
711020 -	Parts and Supplies:	\$2,380,094
712010 -	Pumps/Starters:	\$140,000
711030 -	Water Analysis:	\$17,248
	Total	\$3,828,624

In-Situ Biotesting & Remediation

\$841,204

714090 -	Outside Services:	\$7,000
711040 -	Consulting Services:	\$315,000
711020 -	Parts and Supplies:	\$490,404
712010 -	Pumps:	\$14,700
711030 -	Water Analysis:	\$14,100
	Total	\$841,204

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Evaporation System Management			\$1,976,306
714090 -	Outside Services:	\$278,000	
711040 -	Consulting Services:	\$225,000	
711030 -	Water Analysis:	\$12,120	
610020 -	Utilities:	\$786,586	
	Total	\$1,301,706	
East Collection Pond			
711020 -	Parts and Supplies:	\$40,000	
	Total	\$40,000	
West Collection Pond			
711020 -	Parts and Supplies:	\$130,000	
	Total	\$130,000	
No. 1 Evaporation Pond			
711020 -	Parts and Supplies:	\$88,480	
712010 -	Pumps:	\$274,000	
	Total	\$362,480	
No. 2 Evaporation Pond			
711020 -	Parts and Supplies:	\$101,120	
712010 -	Pumps:	\$41,000	
	Total	\$142,120	
Irrigation System Management			\$1,821,931
714090 -	Outside Services:	\$88,000	
711040 -	Consulting Services:	\$225,000	
711020 -	Parts and Supplies:	\$143,370	
718070 -	Vegetation Analysis:	\$64,800	
718030 -	Soil Analysis:	\$30,240	
711030 -	Water Analysis:	\$50,769	
714010 -	Driller costs:	\$67,050	
	Total	\$669,229	
Section 34 Distribution System			
711020 -	Parts and Supplies:	\$35,400	
	Total	\$35,400	
Section 34 Irrigation Supply System			
711020 -	Parts and Supplies:	\$22,100	
712010 -	Pumps:	\$63,000	
610020 -	Utilities:	\$189,792	
	Total	\$274,892	

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Section 34 Injection Supply System		
711020 -	Parts and Supplies:	\$4,500
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$69,195
	Total	<u>\$77,895</u>
Section 34 Injection System		
711020 -	Parts and Supplies:	\$2,200
	Total	<u>\$2,200</u>
Section 33 Center Pivot		
711020 -	Parts and Supplies:	\$18,000
610020 -	Utilities:	\$13,048
	Total	<u>\$31,048</u>
Section 33 Distribution System		
711020 -	Parts and Supplies:	\$35,400
	Total	<u>\$35,400</u>
Section 33 Irrigation Supply System		
711020 -	Parts and Supplies:	\$21,100
712010 -	Pumps:	\$63,000
610020 -	Utilities:	\$151,834
	Total	<u>\$235,934</u>
Section 28 Center Pivot		
711020 -	Parts and Supplies:	\$33,000
610020 -	Utilities:	\$20,759
	Total	<u>\$53,759</u>
Section 28 Distribution System		
711020 -	Parts and Supplies:	\$35,400
	Total	<u>\$35,400</u>
Section 28 Irrigation Supply System		
711020 -	Parts and Supplies:	\$14,800
712010 -	Pumps:	\$31,500
610020 -	Utilities:	\$192,758
	Total	<u>\$239,058</u>
Section 28 Injection Supply System		
711020 -	Parts and Supplies:	\$9,900
712010 -	Pumps:	\$10,000
610020 -	Utilities:	\$107,417
	Total	<u>\$127,317</u>
Section 28 Injection System		
711020 -	Parts and Supplies:	\$4,400
	Total	<u>\$4,400</u>
Additional Irrigation Expansion		
711020 -	Parts and Supplies:	\$0
712010 -	Utilities:	\$0
	Total	<u>\$0</u>
Additional Irrigation Distribution System		
711020 -	Parts and Supplies:	\$0
	Total	<u>\$0</u>

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Additional Irrigation Supply System			
711020 -	Parts and Supplies:	\$0	
712010 -	Pumps:	\$0	
610020 -	Utilities:	\$0	
	Total	\$0	
 Monitoring / Regulatory XXXXX-810-23-5200			\$1,437,201
General			\$1,050,000
718900 -	NRC Fees:	\$450,000	
718025 -	Permitting Fees:	\$45,000	
711040 -	Consulting Services:	\$555,000	
	Total	\$1,050,000	
 Air / Weather Monitoring			\$80,096
714090 -	Outside Services:	\$49,500	
711020 -	Parts and Supplies:	\$4,500	
610020 -	Utilities:	\$26,096	
	Total	\$80,096	
 Radiation Monitoring			\$271,104
714090 -	Outside Services:	\$18,000	
711020 -	Parts and Supplies:	\$70,992	
718030 -	Lab Fees:	\$135,540	
610020 -	Utilities:	\$19,572	
711040 -	Radiation Training:	\$27,000	
	Total	\$271,104	
 Settlement Monument Monitoring			\$36,000
714090 -	Outside Services:	\$36,000	
	Total	\$36,000	
 HOLDING XXXXX-811-23-5300			\$414,000
Land			\$414,000
790060-	Land Purchase	\$0	
790090-	Land Rental	\$0	
790110-	Title commitment policy costs	\$0	
790010-	Appraisal	\$0	
790120-	Land Improvements	\$54,000	
623010-	Property tax	\$225,000	
790120-	Surveying / Mapping	\$135,000	
	Total	\$414,000	
 SECURITY & MAINTENANCE XXXXX-811-23-5400			\$36,000
Land & Structures			\$36,000
717030-	Surveillance	\$36,000	
	Total	\$36,000	

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SEVERANCE AND RELOCATION XXXXX-XXX-XX-XXXX		\$600,000
<hr/> Severance and Relocation		\$600,000
717030-	Severance and Relocation	\$600,000
	Total	\$600,000
<hr/> GENERAL & ADMIN. XXXXX-810-23-5500		\$4,550,508
<hr/> Salaries & Benefits		\$3,592,008
600000-	Salaries - General	\$302,620
600001-	Salaries - Groundwater	\$1,641,088
600040-	Fringe benefits	\$832,000
600050-	Temporary labor	\$324,000
601060-	Workerman's compensation	\$450,000
601130-	Memberships	\$10,800
601140-	Seminars & training (employees)	\$22,500
603000-	Employee relations	\$9,000
	Total	\$3,592,008
<hr/> General Office Costs		\$83,250
622000-	Stationery & supplies	\$45,000
622010-	Kitchen supplies	\$18,000
622040-	Publications & subscriptions	\$2,250
622050-	Miscellaneous	\$13,500
622070-	Lunch / Dinners	\$4,500
	Total	\$83,250
<hr/> Occupancy Costs		\$90,000
610030-	Office - Other	\$90,000
	Total	\$90,000
<hr/> Communication Costs		\$261,000
620010-	Telecommunications	\$108,000
620060-	Postage	\$18,000
620070-	Courler services	\$90,000
620080-	Data line access	\$45,000
	Total	\$261,000
<hr/> Data Processing Costs		\$99,000
621000-	Equipment rental / leases	\$81,000
621020-	Computer software	\$18,000
	Total	\$99,000
<hr/> Taxes, Licenses, and Fees		\$13,500
623000-	Office - Other	\$13,500
	Total	\$13,500
<hr/> Insurance		\$135,000
624040-	Insurance	\$135,000
	Total	\$135,000

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Travel and Accommodation			
640000-	Travel - Air	\$45,000	
640020-	Travel - Accommodation	\$9,000	
640030-	Travel - Taxis	\$2,250	
640050-	Travel - Gas	\$4,500	
640060-	Travel - Meals	\$9,000	
	Total	\$69,750	\$69,750
Professional Fees			\$135,000
670000-	Legal fees	\$135,000	
	Total	\$135,000	
Outside Services			\$72,000
714090-	W/C Admin.	\$72,000	
	Total	\$72,000	
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS			\$19,330,347
INCOME			(\$310,000)
TOTAL EXPENSES LESS INCOME			\$28,465,241