

SUMMARY OF COSTS

CAPITAL COSTS	COMPONENT NAME	COST	LAND LIABILITY	WATER LIABILITY
OPEN PIT		\$0	\$0	\$0
UNDERGROUND MINE		\$15,299	\$0	\$15,299
TAILINGS FACILITY		\$8,600	\$0	\$8,600
ROCK PILE		\$0	\$0	\$0
BUILDINGS AND EQUIPMENT		\$82,370	\$0	\$82,370
CHEMICALS AND CONTAMINATED SOIL MANAGEMEN		\$100,015	\$0	\$100,015
SURFACE AND GROUNDWATER MANAGEMENT		\$4,120	-	\$4,120
INTERIM CARE AND MAINTENANCE		\$60,000	-	\$60,000
	SUBTOTAL: Capital Costs	\$270,404	\$0	\$270,404
	PERCENT OF SUBTOTAL		0%	100%
INDIRECT COSTS		COST	LAND LIABILITY	WATER LIABILITY
MOBILIZATION/DEMOBILIZATION		\$212,050	\$0	\$212,050
POST-CLOSURE MONITORING AND MAINTENANCE		\$114,000	\$0	\$114,000
ENGINEERING	5%	\$13,520	\$0	\$13,520
PROJECT MANAGEMENT	5%	\$13,520	\$0	\$13,520
HEALTH AND SAFETY PLANS/MONITORING & QA/QC	1%	\$2,704	\$0	\$2,704
BONDING/INSURANCE	1%	\$2,704	\$0	\$2,704
CONTINGENCY	20%	\$54,081	\$0	\$54,081
MARKET PRICE FACTOR ADJUSTMENT	0%	\$0	\$0	\$0
	SUBTOTAL: Indirect Costs	\$412,579	\$0	\$412,579
TOTAL COSTS		\$682,983	\$0	\$682,983

1	Underground Mine Name	UG Mine # 1						
ACTIVITY/MATERIAL	Notes	Unit	Qty	Code	Unit Cost	Cost Land	Cost	Cost
CONTROL ACCESS								
Fence		m	100	FNC	\$100.00	\$10,000	\$0	\$10,000
Signs		each	10	#N/A	\$20.00	\$200	\$0	\$200
Block roads		m3		#N/A	\$0.00	\$0	\$0	\$0
Berm		m3		#N/A	\$0.00	\$0	\$0	\$0
Concrete wall in portals		m3		#N/A	\$0.00	\$0	\$0	\$0
Backfill portal #1		m3	30	DR	\$2.00	\$60	\$0	\$60
Backfill portal #2		m3		#N/A	\$0.00	\$0	\$0	\$0
Cap raise # 1		m3	5	CSF	\$500.00	\$2,500	\$0	\$2,500
Cap raise #2		m3		#N/A	\$0.00	\$0	\$0	\$0
Cap shaft #1		m3		#N/A	\$0.00	\$0	\$0	\$0
Cap shaft #2		m3		#N/A	\$0.00	\$0	\$0	\$0
Backfill adits		m3		#N/A	\$0.00	\$0	\$0	\$0
Backfill open stope		m3		#N/A	\$0.00	\$0	\$0	\$0
Concrete cap over open stope		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
REMOVE HAZARDOUS MATERIALS								
Remove hazardous materials, U/G labor		mandays	1	Lab-s	\$45.00	\$45	\$0	\$45
Remove/decontam. stationary & elect. equip		mandays	1	Lab-us	\$38.00	\$38	\$0	\$38
Remove/decontam. mobile equipment		each	12	Lab-us	\$38.00	\$456	\$0	\$456
Remove misc. haz. mat & explosives		kg	1,000	#N/A	\$1.00	\$1,000	\$0	\$1,000
Other				#N/A	\$0.00	\$0	\$0	\$0
INSTALL BULKHEADS								
Bulkheads to control water flow		each		#N/A	\$0.00	\$0	\$0	\$0
Grout bulkhead		m3		#N/A	\$0.00	\$0	\$0	\$0
FLOOD MINE								
Supply/install pump		each		#N/A	\$0.00	\$0	\$0	\$0
Supply/install piping system		each		#N/A	\$0.00	\$0	\$0	\$0
Operate pumps to flood workings		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
INSTALL GROUNDWATER COLLECTION SYSTEM								
Excavate/install sumps		m2		#N/A	\$0.00	\$0	\$0	\$0
Install pumping wells		m3		#N/A	\$0.00	\$0	\$0	\$0
Install pumps/pipelines/power supply		LS		#N/A	\$0.00	\$0	\$0	\$0
SPECIALIZED ITEMS								
Install water quality monitoring pipes		each	1	#N/A	\$1,000.00	\$1,000	\$0	\$1,000
Install permanent pumping system		each		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
Total						\$15,299	\$0	\$15,299
% of Total							0%	100%

1 Tailings Impoundment Name:

Pond # 1

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost	Land Cost	Water Cost
CONTROL ACCESS								
Fence		m		#N/A	\$0.00	\$0	\$0	\$0
Signs		each	5	#N/A	\$20.00	\$100	\$0	\$100
Berm		m3		#N/A	\$0.00	\$0	\$0	\$0
Block roads		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
STABILIZE EMBANKMENT(S)								
Toe buttress, drainage layer		m3		#N/A	\$0.00	\$0	\$0	\$0
Toe buttress, bulk fill		m3		#N/A	\$0.00	\$0	\$0	\$0
Rip rap		m3		#N/A	\$0.00	\$0	\$0	\$0
Vegetate		ha		#N/A	\$0.00	\$0	\$0	\$0
Raise crest		m3		#N/A	\$0.00	\$0	\$0	\$0
Flatten slopes		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
COVER TAILINGS								
Grade/shape tailings surface		m3	1000 DS		\$2.00	\$2,000	\$0	\$2,000
Liner bedding		m3		#N/A	\$0.00	\$0	\$0	\$0
Subgrade preparation - compact		m2		#N/A	\$0.00	\$0	\$0	\$0
Supply geotextile/geosynthetic		m2		#N/A	\$0.00	\$0	\$0	\$0
Install geotextile/geosynthetic		m2		#N/A	\$0.00	\$0	\$0	\$0
Soil cover		m3		#N/A	\$0.00	\$0	\$0	\$0
Rock cover		m3		#N/A	\$0.00	\$0	\$0	\$0
Vegetate		ha	1 VHS		\$4,500.00	\$4,500	\$0	\$4,500
Other				#N/A	\$0.00	\$0	\$0	\$0
BURY PAG ROCK								
Relocate PAG rock		m3	200 SB1		\$5.00	\$1,000	\$0	\$1,000
Place cover over PAG rock		m3	200 SB1		\$5.00	\$1,000	\$0	\$1,000
Raise crest of dam		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
STABILIZE DECANT SYSTEM								
Excavate and replace		m3		#N/A	\$0.00	\$0	\$0	\$0
Plug/backfill with concrete or clay		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
REMOVE TAILINGS DISCHARGE								
Cyclones		m3		#N/A	\$0.00	\$0	\$0	\$0
Pipe		m3		#N/A	\$0.00	\$0	\$0	\$0
Remove reclaim barge		allow		#N/A	\$0.00	\$0	\$0	\$0
CONSTRUCT DIVERSION DITCHES								
Excavate ditches -soil		m3		#N/A	\$0.00	\$0	\$0	\$0
Excavate ditches -rock		m3		#N/A	\$0.00	\$0	\$0	\$0
Rip rap in channel base		m3		#N/A	\$0.00	\$0	\$0	\$0
FLOOD TAILINGS								
Doze tailings to final contour		m3		#N/A	\$0.00	\$0	\$0	\$0
Raise crest of dam		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
UPGRADE SPILLWAY								
Excavate channel, rock		m3		#N/A	\$0.00	\$0	\$0	\$0
Excavate channel, soil		m3		#N/A	\$0.00	\$0	\$0	\$0
Concrete		m3		#N/A	\$0.00	\$0	\$0	\$0
Rip rap		m3		#N/A	\$0.00	\$0	\$0	\$0
Other				#N/A	\$0.00	\$0	\$0	\$0
CONSTRUCT SEEPAGE COLLECTION POND								
Excavate seepage collection pond		m3		#N/A	\$0.00	\$0	\$0	\$0
Doze & spread excavated material		m3		#N/A	\$0.00	\$0	\$0	\$0
Vegetate spread material		ha		#N/A	\$0.00	\$0	\$0	\$0
Bedding layer		m3		#N/A	\$0.00	\$0	\$0	\$0
Supply geomembrane		m2		#N/A	\$0.00	\$0	\$0	\$0
Install geomembrane		m2		#N/A	\$0.00	\$0	\$0	\$0
Erosion protection layer		m3		#N/A	\$0.00	\$0	\$0	\$0
INSTALL GROUNDWATER COLLECTION SYSTEM								
Excavate/install sumps		m3		#N/A	\$0.00	\$0	\$0	\$0
Install pumping wells		m3		#N/A	\$0.00	\$0	\$0	\$0
Install pumps/pipelines/power supply		LS		#N/A	\$0.00	\$0	\$0	\$0
SPECIALIZED ITEMS								
Install permanent instrumentation, supply & technician		each		#N/A	\$0.00	\$0	\$0	\$0
Install permanent instrumentation, drilling		each		#N/A	\$0.00	\$0	\$0	\$0
TREAT SEEPAGE - see "Water Management" and "Water Treatment"								
TREAT SUPERNATANT								
Pump water (to pit, U/G)		m3		#N/A	\$0.00	\$0	\$0	\$0
Equipment maintenance and parts		allow		#N/A	\$0.00	\$0	\$0	\$0
Supply reagents		tonne		#N/A	\$0.00	\$0	\$0	\$0
						Annual treatment costs		
Number of years of treatment						years	2	
						Total treatment costs		
						Total	\$8,600	\$0
						% of Total	0%	100%

* for construction of passive treatment system refer to "Water Management"

1 Chemicals/Soil Area Name:

Note: The procedures, equipment and packaging for clean up and removal of chemicals or contaminated soils are highly dependent on the nature of the chemicals and their existing state of containment. Government guidelines should be consulted on an individual chemical basis. Any estimate made here should be considered very rough unless specific evaluations have been conducted.

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost
HAZARDOUS MATERIALS AUDIT								
Hazardous materials audit		Hrs	10	envco	#####		\$1,000	\$0 \$1,000
BUILDING DECONTAMINATION & CONSOLIDATION OF HAZARDOUS MATERIALS								
Environmental technician/coordinator		Hrs	20	envtech	\$36.00		\$720	\$0 \$720
Decontaminate: oil, fuel		Hrs	100	envtech	\$36.00		\$3,600	\$0 \$3,600
Decontaminate maintenance shop		Hrs	50	envtech	\$36.00		\$1,800	\$0 \$1,800
Decontaminate power plant		Hrs	50	envtech	\$36.00		\$1,800	\$0 \$1,800
Decontaminate bulk fuel storage		Hrs		#N/A	\$0.00		\$0	\$0 \$0
Decontaminate ANFO plant		Hrs	50	envtech	\$36.00		\$1,800	\$0 \$1,800
Decontaminate offices/warehouse/accom		Hrs		#N/A	\$0.00		\$0	\$0 \$0
Removal of asbestos siding on buildings		m2		#N/A	\$0.00		\$0	\$0 \$0
Removal of friable asbestos on equipment		m2		#N/A	\$0.00		\$0	\$0 \$0
Other				#N/A	\$0.00		\$0	\$0 \$0
HAZARDOUS MATERIALS REMOVAL								
Waste oils		litre	1000	or	\$1.00		\$1,000	\$0 \$1,000
Waste fuel		litre		#N/A	\$0.00		\$0	\$0 \$0
Waste batteries		kg	500	#N/A	\$2.00		\$1,000	\$0 \$1,000
Assay & environmental lab reagents		kg	200	#N/A	\$2.00		\$400	\$0 \$400
Machine shop paints, solvents etc		litre	200	#N/A	\$2.00		\$400	\$0 \$400
Glycol		litre	200	#N/A	\$2.00		\$400	\$0 \$400
Process reagents		kg	1000	PRC	\$2.00		\$2,000	\$0 \$2,000
Nuclear sources		allow		#N/A	\$0.00		\$0	\$0 \$0
Other hazardous materials		allow		#N/A	\$0.00		\$0	\$0 \$0
HAZARDOUS MATERIALS								
Transportation to disposal facility		allow	1	#N/A	#####		\$5,000	\$0 \$5,000
Disposal fees		allow	1	#N/A	#####		\$2,000	\$0 \$2,000
Other				#N/A	\$0.00		\$0	\$0 \$0
CONTAMINATED SOILS								
Contam. soil investigation - Phase 1		each	1	CS1	#####		\$7,500	\$0 \$7,500
Contam. soil investigation - Phase 2		each	1	CS2	#####		\$50,000	\$0 \$50,000
CONTAMINATED SOIL REMOVAL								
Excavate and transport to onsite facility		m3	50	CSR	\$80.00		\$4,000	\$0 \$4,000
Manage hydrocarbon remediation at facility		m3	50	CSR	\$80.00		\$4,000	\$0 \$4,000
Reagents/stabilizing agent		m2	50	#N/A	\$2.00		\$100	\$0 \$100
Excavate and transport to offsite facility		m3	20	#N/A	#####		\$4,000	\$0 \$4,000
Contour decontaminated area		m3		#N/A	\$0.00		\$0	\$0 \$0
CONTAMINATED SOIL VERY LOW PERMEABILITY COVER								
Supply geomembrane, HDPE, ES3, GCL		m2	100	GSHDPE	\$7.95		\$795	\$0 \$795
Upper and lower bedding layers		m3	10	GSBA	#####		\$3,200	\$0 \$3,200
Install geomembrane, HDPE, ES3, GCL		m2	100	GSI	\$10.00		\$1,000	\$0 \$1,000
Erosion protection layer		m3	5	RCS	\$10.00		\$50	\$0 \$50
Vegetate		Ha	0.1	VHS	#####		\$450	\$0 \$450
Install infiltration/seepage instrumentation		allow	1	#N/A	#####		\$2,000	\$0 \$2,000
Other				#N/A	\$0.00		\$0	\$0 \$0
OTHER								
				#N/A	\$0.00		\$0	\$0 \$0
Total							\$100,015	\$0 \$100,015
% of Total							0%	100%

1

Building / Equip Name:

Bldg / Equip #: 1

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	% Cost Land	Land Cost	Water Cost
DISPOSE MOBILE EQUIPMENT								
Decontaminate and ship off-site		allow	1	#N/A	#####		\$10,000	\$0 \$10,000
Decontaminate and dispose on-site		allow		#N/A	\$0.00		\$0	\$0 \$0
Other				#N/A	\$0.00		\$0	\$0 \$0
REMOVE BUILDINGS - see note below								
Accommodation Complex		m2	216	#N/A	\$20.00		\$4,320	\$0 \$4,320
Process Facilities		m2	1000	#N/A	\$40.00		\$40,000	\$0 \$40,000
Offices, Repair, Lab, Warehouse		m2	300	#N/A	\$20.00		\$6,000	\$0 \$6,000
Storage Facilities		m2	100	#N/A	\$20.00		\$2,000	\$0 \$2,000
Water and Wastewater Treatment Facilities		m2	50	#N/A	\$20.00		\$1,000	\$0 \$1,000
U/G Heating Plant		m2		#N/A	\$0.00		\$0	\$0 \$0
Emulsion Plant		m2		#N/A	\$0.00		\$0	\$0 \$0
AN Storage Facility		m2	100	#N/A	\$40.00		\$4,000	\$0 \$4,000
Warehouse, Shops and Other		m2		#N/A	\$0.00		\$0	\$0 \$0
Storage Facility at Laydown/Airstrip		m2		#N/A	\$0.00		\$0	\$0 \$0
Fuel tanks		m2		#N/A	\$0.00		\$0	\$0 \$0
Fuel Tanks		m2		#N/A	\$0.00		\$0	\$0 \$0
Freshwater intake		m2	10	#N/A	\$20.00		\$200	\$0 \$200
Reclaim pumps		m2		#N/A	\$0.00		\$0	\$0 \$0
Outfall & Diffuser		m2		#N/A	\$0.00		\$0	\$0 \$0
Airstrip lighting, navigation, electrician		mandays		#N/A	\$0.00		\$0	\$0 \$0
Airstrip lighting, navigation, mechanical		mandays		#N/A	\$0.00		\$0	\$0 \$0
Break foundation slabs	total of all buildings	m2	100	#N/A	\$50.00		\$5,000	\$0 \$5,000
Consolidate & dump boneyard debris		m3	100	#N/A	\$20.00		\$2,000	\$0 \$2,000
Other				#N/A	\$0.00		\$0	\$0 \$0
LANDFILL FOR DEMOLITION WASTE								
Place rock cover	Blast rock fill	m3		#N/A	\$0.00		\$0	\$0 \$0
Place soil cover	Soil Cap - Landfill and Septic Field	m3		#N/A	\$0.00		\$0	\$0 \$0
Vegetate		ha		#N/A	\$0.00		\$0	\$0 \$0
GRADE AND CONTOUR PADS								
Accommodation Complex		ha		#N/A	\$0.00		\$0	\$0 \$0
Process Facilities		ha		#N/A	\$0.00		\$0	\$0 \$0
Offices, Repair, Lab, Warehouse		ha		#N/A	\$0.00		\$0	\$0 \$0
Storage Facilities		ha		#N/A	\$0.00		\$0	\$0 \$0
Water and Wastewater Treatment Facilities		ha		#N/A	\$0.00		\$0	\$0 \$0
U/G Heating Plant		ha		#N/A	\$0.00		\$0	\$0 \$0
Emulsion Plant		ha		#N/A	\$0.00		\$0	\$0 \$0
Warehouse, Shops and Other		ha		#N/A	\$0.00		\$0	\$0 \$0
Place rock cover		m3		#N/A	\$0.00		\$0	\$0 \$0
Vegetate		ha		#N/A	\$0.00		\$0	\$0 \$0
Other				#N/A	\$0.00		\$0	\$0 \$0
PUNCTURE LINED SUMPS								
Puncture liner and place soil cover		m3	100	SBS	\$4.00		\$400	\$0 \$400
RECLAIM ROADS								
Remove culverts		each	5	exc-s	#####		\$950	\$0 \$950
Remove bridges		each		#N/A	\$0.00		\$0	\$0 \$0
Scarify and install water breaks		ha		#N/A	\$0.00		\$0	\$0 \$0
Scarify airstrip		ha		#N/A	\$0.00		\$0	\$0 \$0
Scarify laydown areas		hrs	10	dozers	#####		\$2,500	\$0 \$2,500
Vegetate		ha	1	VHF	#####		\$4,000	\$0 \$4,000
Other				#N/A	\$0.00		\$0	\$0 \$0
SPECIALIZED ITEMS								
Dispose of misc. debris and laydown area refuse				#N/A	\$0.00		\$0	\$0 \$0
Total							\$82,370	\$0 \$82,370
% of Total							0%	100%

Note: Unit costs are based on 3m high, single storey building. Scale larger building areas accordingly. E.g. 10m high building multiply area by 3.3 (10/3)

1 Capital Expenditures and Short Term Water Treatment identified in 'Instructions' worksheet

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
BREACH DYKE EMBANKMENT						
Remove fill		m3		#N/A	\$0.00	\$0
Contour water intake area		m3		#N/A	\$0.00	\$0
STABILIZE SEDIMENT PONDS/WATER MANAGEMENT PONDS						
Place soil cover		m3		#N/A	\$0.00	\$0
Doze & spread excavated material		m3		#N/A	\$0.00	\$0
Vegetate spread material		ha		#N/A	\$0.00	\$0
Rip rap in channel base		each		#N/A	\$0.00	\$0
REDIRECT RUNOFF/CONSTRUCT DIVERSION DITCHES						
Excavate ditches -soil		m3		#N/A	\$0.00	\$0
Excavate ditches -rock		m3		#N/A	\$0.00	\$0
Stabilize side slopes		m3		#N/A	\$0.00	\$0
Rip rap in channel base		m3		#N/A	\$0.00	\$0
BREACH DITCHES						
Excavate breaches		m3		#N/A	\$0.00	\$0
Backfill/recontour		m3		#N/A	\$0.00	\$0
Install flow dissipation		m3		#N/A	\$0.00	\$0
Vegetate remainder of ditch		m2		#N/A	\$0.00	\$0
DECOMMISSION FRESH WATER SUPPLY						
Breach embankment		m		#N/A	\$0.00	\$0
Remove pump		hr	3 lab-us		\$40.00	\$120
Remove pipeline		m	600 PSR		\$5.00	\$3,000
WATER CONTROL IN RECLAMATION QUARRY						
Install pumping system		LS		#N/A	\$0.00	\$0
Remove pumping system		LS		#N/A	\$0.00	\$0
REMOVE PIPELINES						
Remove pipes		m	200 PSR		\$5.00	\$1,000
Concrete plug deep pipes		m3		#N/A	\$0.00	\$0
Other				#N/A	\$0.00	\$0
GROUNDWATER COLLECTION SYSTEM						
Excavate/install sumps		m3		#N/A	\$0.00	\$0
Install pumping wells		m3		#N/A	\$0.00	\$0
Install pumps/pipelines/power supply		LS		#N/A	\$0.00	\$0
CONSTRUCT CONTAMINATED WATER STORAGE POND						
Excavate pond		m3		#N/A	\$0.00	\$0
Doze & spread excavated material		m3		#N/A	\$0.00	\$0
Vegetate spread material		ha		#N/A	\$0.00	\$0
Bedding layer		m3		#N/A	\$0.00	\$0
Supply geomembrane		m2		#N/A	\$0.00	\$0
Install geomembrane		m2		#N/A	\$0.00	\$0
Erosion protection layer		m3		#N/A	\$0.00	\$0
CONSTRUCT PASSIVE TREATMENT SYSTEM (e.g. Constructed Wetland)						
Construct access roads		km		#N/A	\$0.00	\$0
Install HDPE piping system from collection pond		m		#N/A	\$0.00	\$0
Inter-cell flow structures		allow		#N/A	\$0.00	\$0
Install liners		m2		#N/A	\$0.00	\$0
Install growth media		m3		#N/A	\$0.00	\$0
Wetland vegetation		ha		#N/A	\$0.00	\$0
CONSTRUCT WATER TREATMENT PLANT						
Build treatment plant		LS		#N/A	\$0.00	\$0
Build sludge containment facility		LS		#N/A	\$0.00	\$0
SHORT TERM WATER TREATMENT*						
Annual water treatment cost, from "Water Treatment"						\$0
Total						\$4,120

*Note: include water treatment cost from "Water Treatment" worksheet if treatment is considered short term and is not included in a particular component worksheet.

1 Post-Closure Monitoring & Maintenance:

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
MONITORING & INSPECTIONS						
Annual geotechnical inspection		each	1	#N/A	#####	\$5,000
Survey inspection		each	1	#N/A	#####	\$5,000
Regulatory costs*		each	1	#N/A	#####	\$10,000
Site water monitoring (AEMP and SNP)		each	1	#N/A	#####	\$5,000
- Active closure and flooding		each		#N/A	\$0.00	\$0
- Post pit flooding		each		#N/A	\$0.00	\$0
Air Quality Monitoring Program (AQMP)		each	1	#N/A	#####	\$2,000
Wildlife Effects Monitoring Program (WEMP)		each	1	#N/A	#####	\$4,000
Vegetation Monitoring		each	1	#N/A	#####	\$4,000
Other				#N/A	\$0.00	\$0
COVER MAINTENANCE						
Repair erosion - infill gullies		allow	1	#N/A	#####	\$5,000
Repair erosion - upgrade diversion ditches		allow	1	#N/A	#####	\$5,000
Remove problem vegetation		allow	1	#N/A	#####	\$4,000
Repair animal damage		allow	1	#N/A	#####	\$4,000
Repair/upgrade access controls		allow	1	#N/A	#####	\$2,000
Other				#N/A	\$0.00	\$0
SPILLWAY MAINTENANCE						
Repair erosion		m3		#N/A	\$0.00	\$0
Clear spillway		each		#N/A	\$0.00	\$0
CWTS MAINTENANCE						
Maintain flow, restore vegetation		allow	1	#N/A	#####	\$2,000
POST-CLOSURE WATER TREATMENT**						
Annual water treatment cost, from "Water Treatment"						\$0
Subtotal, Annual post-closure costs						\$57,000
Discount rate for calculation of net present value of post-closure cost, %				0.00%		
Number of years of post-closure activity				2 years		
Present Value of payment stream						\$114,000

*Regulatory costs - annual reporting, management plans, progress reports etc.

Include water treatment cost from "Water Treatment" worksheet if treatment is considered long term, such as ARD/ML.

1 Interim Care and Maintenance

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
INTERIM CARE & MAINTENANCE						
on-site caretaker		manmonths	12	#N/A	2000	\$24,000
extra personnel		manmonths		#N/A	0	\$0
-electrician		manmonths		#N/A	0	\$0
-mechanic		manmonths		#N/A	0	\$0
annual fuel		litre	6000	FCD	2	\$12,000
misc. supplies		allow	1	#N/A	5000	\$5,000
pick-up truck		each		#N/A	0	\$0
small dozer		allow	1	#N/A	2000	\$2,000
small excavator		allow		#N/A	0	\$0
snow machine		allow	1	#N/A	2000	\$2,000
communications		allow	1	#N/A	2000	\$2,000
SNP/AEMP water sampling & reporting		each	4	#N/A	2000	\$8,000
geotechnical assessment		each	1	#N/A	5000	\$5,000
interim water treatment				#N/A		\$0
other		each		#N/A	0	\$0
				Annual Interim C&M Cost		\$60,000
Number of years of ICM		years	\$1	Total		\$60,000

1 Mobilization/Demobilization:

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	Cost
MOBILIZE HEAVY EQUIPMENT						
Excavators		each		#N/A	0	\$0
Dump trucks		each		#N/A	0	\$0
Dozers		each		#N/A	0	\$0
Demolition shears		each		#N/A	0	\$0
Crane		each		#N/A	0	\$0
Loader		each		#N/A	0	\$0
Compactor		each		#N/A	0	\$0
Light duty vehicles		each		#N/A	0	\$0
MOBILIZE MISC. EQUIPMENT						
Pump shipping		each		#N/A	0	\$0
Pipe shipping		m		#N/A	0	\$0
Minor tools and equipment		allow		#N/A	0	\$0
Truck tires		allow		#N/A	0	\$0
Other				#N/A	0	\$0
MOBILIZE CAMP						
Reclamation activities		allow		#N/A	0	\$0
Long term reclamation activities (eg pump flooding)		allow		#N/A	0	\$0
MOBILIZE WORKERS						
Reclamation activities - transport		each	4 MW		4500	\$18,000
Reclamation activities - travel time		manhours	10	#N/A	30	\$300
Long term reclamation activities (eg pump flooding) - transport		each		#N/A	0	\$0
Long term reclamation activities (eg pump flooding) - travel time		each		#N/A	0	\$0
Monitoring Airfare		each		#N/A	0	\$0
WORKER ACCOMODATIONS						
Reclamation activities		manmonths		#N/A	0	\$0
Long term reclamation activities (eg pump flooding)		manmonths		#N/A	0	\$0
MOBILIZE FUEL						
Fuel freight - reclamation activities		litre		#N/A	0	\$0
Fuel freight - long term reclamation activities		litre		#N/A	0	\$0
Fuel freight accomodations		litre		#N/A	0	\$0
WINTER ROAD						
Construction and operation		km		WRC	4000	\$0
Limited winter use		KMT		WRU	0.29	\$0
Winter road tarriff		km		#N/A	0	\$0
DEMOBILIZE HEAVY EQUIPMENT						
Excavators		KMT		WRU	0.29	\$0
Dump trucks		KMT		WRU	0.29	\$0
Dozers		KMT		WRU	0.29	\$0
Demolition shears		KMT		WRU	0.29	\$0
Crane		KMT		#N/A	0	\$0
Loader		KMT		WRU	0.29	\$0
Compactor		KMT		WRU	0.29	\$0
Light duty vehicles		KMT		WRU	0.29	\$0
Other		km		#N/A	0	\$0
DEMOBILIZE CAMP						
		allow		#N/A	0	\$0
DEMOBILIZE WORKERS						
crew travel time		mandays	10	#N/A	30	\$300
crew transportation		each	4	#N/A	100	\$400
WINTER ROAD						
Construction and operation		km	45	WRC	4000	\$180,000
Limited winter use		KMT	45000	WRU	0.29	\$13,050
Winter road tarriff		km		#N/A	0	\$0
				Total		\$212,050