

SUMMARY OF COSTS

CAPITAL COSTS	COMPONENT NAME	COST	LAND LIABILITY	WATER LIABILITY
WELLS AND FACILITIES		\$0	\$0	\$0
BUILDINGS AND EQUIPMENT		\$250,000	\$0	\$250,000
CHEMICALS AND CONTAMINATED SOILD MANAGEMENT		\$0	\$0	\$0
SURFACE AND GROUNDWATER MANAGEMENT		\$0	-	\$0
INTERIM CARE AND MAINTENANCE		\$0	-	\$0
	SUBTOTAL: Capital Costs	\$250,000	\$0	\$250,000
	PERCENT OF SUBTOTAL		0%	100%

INDIRECT COSTS		COST	LAND LIABILITY	WATER LIABILITY
MOBILIZATION/DEMOBILIZATION		\$111,713	\$0	\$111,713
POST-CLOSURE MONITORING AND MAINTENANCE		\$48,000	\$0	\$48,000
ENGINEERING	3%	\$0	\$0	\$0
PROJECT MANAGEMENT	3%	\$0	\$0	\$0
HEALTH AND SAFETY PLANS/MONITORING & QA/QC	1%	\$0	\$0	\$0
BONDING/INSURANCE	1%	\$0	\$0	\$0
CONTINGENCY	10%	\$25,000	\$0	\$25,000
MARKET PRICE FACTOR ADJUSTMENT	0%	\$0	\$0	\$0
	SUBTOTAL: Indirect Costs	\$184,713	\$0	\$184,713

TOTAL COSTS		\$434,713	\$0	\$434,713
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5 workers - based

1 **Building / Equip Name:**

Bldg / Equip #: 1

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost Code	Unit Cost	%		
						Cost Land	Land Cost	Water Cost
OBJECTIVE: DISPOSE MOBILE EQUIPMENT								
				#N/A				
Decontaminate and ship off-site		each		#N/A	\$0.00	\$0	\$0	\$0
Decontaminate, dispose on-site		each		#N/A	\$0.00	\$0	\$0	\$0
Other		each		MHERI	\$3.40	\$0	50%	\$0
OBJECTIVE: BUILDING DECONTAMINATION & HAZ. MATERIAL REMOVAL								
				#N/A				
Decontaminate, oil, fuel and glycol systems		mandays		#N/A	\$0.00	\$0		\$0
Decontaminate, general		mandays		#N/A	\$0.00	\$0		\$0
Mechanical		mandays		#N/A	\$0.00	\$0		\$0
Electrical		mandays		#N/A	\$0.00	\$0		\$0
Decontaminate maintenance shop		each		#N/A	\$0.00	\$0		\$0
Decontaminate power plant		each		#N/A	\$0.00	\$0		\$0
Decontaminate bulk fuel storage		each		#N/A	\$0.00	\$0		\$0
Decontaminate offices/warehouse/accom		each		#N/A	\$0.00	\$0		\$0
Removal of asbestos siding on buildings		each		#N/A	\$0.00	\$0		\$0
Removal of friable asbestos on equipment		each		#N/A	\$0.00	\$0		\$0
Other				#N/A	\$0.00	\$0		\$0
OBJECTIVE: REMOVE BUILDINGS - ALL BUILDING AREAS SCALED TO ACCOUNT FOR HEIGHT								
				#N/A				
Accommodation Complex		m2		#N/A	\$0.00	\$0		\$0
Process Facilities		m2		#N/A	\$0.00	\$0		\$0
Offices, Repair, Lab, Warehouse		m2		#N/A	\$0.00	\$0		\$0
Storage Facilities		m2	75	#N/A	\$0.00	\$0		\$0
Water and Wastewater Treatment Facilities		m2		#N/A	\$0.00	\$0		\$0
U/G Heating Plant		m2		#N/A	\$0.00	\$0		\$0
Emulsion Plant		m2		#N/A	\$0.00	\$0		\$0
AN Storage Facility		m2		#N/A	\$0.00	\$0		\$0
Warehouse, Shops and Other		m2		#N/A	\$0.00	\$0		\$0
Storage Facility at Laydown/Airstrip		m2		#N/A	\$0.00	\$0		\$0
Fuel tanks		m2		#N/A	\$0.00	\$0		\$0
Fuel Tanks		m2		#N/A	\$0.00	\$0		\$0
Freshwater intake		m2		#N/A	\$0.00	\$0		\$0
Reclaim pumps		m2		#N/A	\$0.00	\$0		\$0
Outfall & Diffuser		m2		#N/A	\$0.00	\$0		\$0
Airstrip lighting, navigation, electrician		mandays		#N/A	\$0.00	\$0		\$0
Airstrip lighting, navigation, mechanical		mandays		#N/A	\$0.00	\$0		\$0
Consolidate & dump boneyard debris		m3		#N/A	\$0.00	\$0		\$0
other				#N/A	\$0.00	\$0		\$0
OBJECTIVE: BREAK BASEMENT SLABS								
				#N/A				
Accommodation Complex		m2		#N/A	\$0.00	\$0		\$0
Process Facilities		m2		#N/A	\$0.00	\$0		\$0
Offices, Repair, Lab, Warehouse		m2		#N/A	\$0.00	\$0		\$0
Storage Facilities		m2		#N/A	\$0.00	\$0		\$0
Water and Wastewater Treatment Facilities		m2		#N/A	\$0.00	\$0		\$0
U/G Heating Plant		m2		#N/A	\$0.00	\$0		\$0
Emulsion Plant		m2		#N/A	\$0.00	\$0		\$0
Warehouse, Shops and Other		m2		#N/A	\$0.00	\$0		\$0
Other				#N/A	\$0.00	\$0		\$0
OBJECTIVE: LANDFILL FOR DEMOLITION WASTE								
				#N/A				
Place soil cover		m3		#N/A	\$0.00	\$0		\$0
Vegetate		ha		#N/A	\$0.00	\$0		\$0
Landfill disposal fee		tonne		#N/A	\$0.00	\$0		\$0
OBJECTIVE: GRADE AND CONTOUR								
	5 workers - bused out daily 50 km by 15 days		75	#N/A				
Accommodation Complex		ha		#N/A	\$0.00	\$0		\$0
Process Facilities		ha		#N/A	\$0.00	\$0		\$0
Offices, Repair, Lab, Warehouse		ha		#N/A	\$0.00	\$0		\$0
Storage Facilities		ha		#N/A	\$0.00	\$0		\$0
Water and Wastewater Treatment Facilities		ha		#N/A	\$0.00	\$0		\$0
U/G Heating Plant		ha		#N/A	\$0.00	\$0		\$0
Emulsion Plant		ha		#N/A	\$0.00	\$0		\$0
Warehouse, Shops and Other		ha		#N/A	\$0.00	\$0		\$0
Place rock cover		m3		#N/A	\$0.00	\$0		\$0
Vegetate		ha		#N/A	\$0.00	\$0	50%	\$0
Other	Reclaim I-O2 and F-36 Access.		1	#N/A	\$150,000.00	\$150,000		\$0
OBJECTIVE: LINED SUMPS								
				#N/A				
Puncture liner and place soil cover		m3		#N/A	\$0.00	\$0		\$0
OBJECTIVE: RECLAIM ROADS								
				#N/A				
Remove culverts		each		#N/A	\$0.00	\$0		\$0
Remove bridges		each		#N/A	\$0.00	\$0		\$0
Scarify and install water breaks		ha		#N/A	\$0.00	\$0		\$0
Scarify airstrip		ha		#N/A	\$0.00	\$0		\$0
Scarify laydown areas		ha		#N/A	\$0.00	\$0		\$0
Vegetate		ha		#N/A	\$0.00	\$0		\$0
Other	Mainly min disturbance winter road. Costs to reclaim built up portions and remove bridges and culverts.		1	#N/A	\$100,000.00	\$100,000		\$0
SPECIALIZED ITEMS								
				#N/A				
Dispose of misc. debris and laydown area refuse				#N/A	\$0.00	\$0		\$0
Total						\$250,000	\$0	\$250,000
% of Total							0	100

1 Post-Closure Monitoring & Maintenance

ACTIVITY/MATERIAL	Notes	Units	Quantity	Cost		Cost
				Code	Unit Cost	
OBJECTIVE: MONITORING & INSPECTIONS				#N/A		
Annual geotechnical inspection		each		#N/A	\$0.00	\$0
Survey inspection	3rd party contract	each	3	RPTI	\$10,000.00	\$30,000
Site water monitoring (soil testing)		Spec			\$2,000.00	\$0
- During pit flooding		each		#N/A	\$0.00	\$0
- Post pit flooding		each		#N/A	\$0.00	\$0
Air Quality Monitoring Program (AQMP)		each		#N/A	\$0.00	\$0
Wildlife Effects Monitoring Program (WEMP)		each		#N/A	\$0.00	\$0
Vegetation Monitoring		each		#N/A	\$0.00	\$0
Other - Site inspection following summer	Air access for inspection crew		3	MWI	\$4,500.00	\$13,500
OBJECTIVE: SITE MAINTENANCE				#N/A		
Repair erosion - infill gullies		allow		#N/A	\$0.00	\$0
Repair erosion - upgrade diversion ditches		allow		#N/A	\$0.00	\$0
Remove problem vegetation	Weed Control	allow	3	#N/A	\$1,500.00	\$4,500
Repair animal damage		allow		#N/A	\$0.00	\$0
Repair/upgrade access controls		allow		#N/A	\$0.00	\$0
Other				#N/A	\$0.00	\$0
SPILLWAY MAINTENANCE				#N/A		
Repair erosion			m3	#N/A	\$0.00	\$0
Clear spillway			each	#N/A	\$0.00	\$0
Other			75	#N/A	\$0.00	\$0
POST-CLOSURE WATER TREATMENT				#N/A		
Annual water treatment cost, from "Water Treatment"				#N/A	\$0.00	\$0
Subtotal, Annual post-closure costs						\$48,000
Discount rate for calculation of net present value of post-closure cost, %				0.00%		
Number of years of post-closure activity				1	years	
Present Value of payment stream						\$48,000

5 workers - based out daily 50 km by 15 da 75

1 Mobilization/Demobilization

ACTIVITY/MATERIAL	Notes	Unit	Quantity	Cost Code	Unit Cost	Cost
MOBILIZE HEAVY EQUIPMENT				#N/A		
Excavators	1	each	4	#N/A	200	\$800
Dump trucks		each		#N/A	0	\$0
Dozers	2	each	4	#N/A	200	\$800
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
Other - program equipment					1000	\$0
MOBILIZE MISC. EQUIPMENT				#N/A		
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				#N/A		
Reclamation activities	No camp	allow		#N/A	0	\$0
Long term reclamation activities (eg pump flooding)		allow		#N/A	0	\$0
MOBILIZE WORKERS				#N/A		
Reclamation activities - transport	5 workers - bused in daily by 15 days	each	75 MWs		100	\$7,500
Reclamation activities - incl. travel time	Wages for 5 workers - 8 hr shifts for 15 days	nhours	600 Lab-usl		43.98	\$26,388
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				#N/A		
Reclamation activities	5 people for 15 days	months	75 ACCMh		175	\$13,125
Long term reclamation activities (eg pump flooding)		manmonths		#N/A	0	\$0
MOBILIZE FUEL				#N/A		
Fuel freight - reclamation activities		litre		#N/A	0	\$0
Fuel freight - long reclamation activities		litre		#N/A	0	\$0
Fuel freight accomodations		litre		#N/A	0	\$0
WINTER ROAD				#N/A		
Construction and operation	BC Border to I-O2. All in cost.	km	27 WRCI		2000	\$54,000
Limited winter use		km		#N/A	0	\$0
Winter road tarriff		km		#N/A	0	\$0
DEMobilize OTHER INFRASTRUCTURE AND SITE EQUIPMENT				#N/A		
Excavators	1	km	4	#N/A	200	\$800
Dump trucks		km		#N/A	0	\$0
Dozers	2	km	4	#N/A	200	\$800
Demolition shears		km		#N/A	0	\$0
Crane		km		#N/A	0	\$0
Loader		km		#N/A	0	\$0
Compactor		each		#N/A	0	\$0
Light duty vehicles		km		#N/A	0	\$0
Other - program equipment					1000	\$0
DEMobilize CAMP				#N/A		
		allow		#N/A	0	\$0
DEMobilize WORKERS				#N/A		
crew travel time		mandays		#N/A	0	\$0
crew transportation	5 workers - bused out daily 50 km by 15 days	each	75 MWs		100	\$7,500
WINTER ROAD				#N/A		
Construction and operation		km		#N/A	0	\$0
Limited winter use		km		#N/A	0	\$0
Winter road tarriff		km		#N/A	0	\$0
Mobilization/Demobilization Cost						\$111,713