Outstanding Closure Liabilities at Brewery Creek Mine - September 2004

Report Prepared for

Viceroy Minerals Corporation

Report Prepared by

SRK Consulting
Engineers and Scientists

December 2004

Outstanding Closure Liabilities at Brewery Creek Mine - September 2004

Viceroy Minerals Corporation

Suite 900, 570 Granville Street
Vancouver, B.C. V6C 3P1

SRK Project Number 1CV001.02
December 2004

Steffen Robertson and Kirsten (Canada) Inc.
Suite 800, 1066 West Hastings Street
Vancouver, B.C. V6E 3X2
Tel: 604.681.4196
Fax: 604.687.5532
E-mail: vancouver@srk.com
Web site: www.srk.com

Compiled by:

_____
Daryl Hockley, P.Eng.

Table of Contents

1 Introduction 1

2 Methods 1

2.1 Site Visit 1
2.2 Development of Liability Estimate 1
2.3 Meeting with Yukon Government 4

3 Estimated Costs for Expected Activities 5

4 Estimated Costs for Mitigation Measures 6

5 Estimate of Outstanding Liability 8

List of Tables

Table 1. Cost Estimates for Expected Decommissioning and Reclamation Activities 6

Table 2: Cost and Likelihood Estimates for Possible Mitigation Measures 7

Table 3: Outstanding Closure Liability at Brewery Creek Mine as of September 2004 8

List of Attachments

Attachment 1 Liability Estimate Spreadsheet

Attachment 2 BC-28 Water Quality Data from 2004

1 Introduction

SRK Consulting Inc. was retained to provide an independent engineer's review of the outstanding closure liabilities at the Brewery Creek Mine near Dawson, Yukon. This report presents the results of SRK's work.

This review is the second report under the terms of the proposed agreement between Viceroy Minerals Corporation and the Government of the Yukon. The methodology employed is consistent with that used in the first report, dated November 2003. Section 2 below summarizes the methods.

Sections 3 and 4 present the resulting estimates of outstanding liabilities. Expected costs are covered in Section 3 and costs for possible mitigation measures are covered in Section 4. All of the calculations leading to the Section 3 and 4 estimates are presented in tables appended to this report. Section 5 presents a summary opinion of the outstanding closure liabilities at the Brewery Creek Mine, as of September 2004.

2 Methods

2.1 Site Visit

The undersigned visited the Brewery Creek Mine on September 24, 2004. All of the liability estimates presented herein are based on the state of the site as of that date. Mr. Steve Januszewski, an engineer under contract to the Yukon Government also participated in the site visit, and has prepared a separate report.

The site visit began with discussions with Mr. Brad Thrall, who continues to direct the decommissioning and reclamation work. The undersigned, Mr. Januszewski and Mr. Thrall then inspected the reclamation works carried out in 2004. Access to all areas was good. The weather was variable, with sun, cloud, rain and light snow in intervals throughout the day, but did not prevent examination of the reclamation work.

2.2 Development of Liability Estimate

As was the case in the 2003 report, the outstanding closure liability for the site was estimated in two components:

- Cost for activities needed to complete the expected decommissioning and reclamation measures.
- Costs for mitigation measures that might be required at some time in the future.

The methods and assumptions used in developing estimates for these two components are summarized in the following paragraphs, which are taken directly from the 2003 report.

Cost Estimate Spreadsheet

The cost estimates for both the currently planned decommissioning and reclamation measures and the mitigation measures were developed in a spreadsheet. For ease of comparison to earlier (and future) estimates, the spreadsheet was based on one presented in the "2001 Decommissioning and Reclamation Plan, Volume IV".

The spreadsheet, like the "Volume IV" version, assigns direct costs to eight "cost centers", namely Mine Area Reclamation, Site Facilities Removal and Reclamation, Leach Pad Detoxification, Manpower, General and Administration, Process Water Treatment, Leach Pad Reclamation, and Post-Closure Monitoring. This structure is common in closure cost estimates produced by industry, and is readily convertible to other structures such as the RECLAIM spreadsheet used by DIAND.

A printout of the cost estimate spreadsheet is attached to this report. Electronic copies are available upon request.

Current Status and Standards for Completion

The "Volume IV" estimates for most of the cost centers were modified to take into account the current extent of completion and any deficiencies observed during the site visit. More details are provided in Section 3 below.

In assessing what activities would be needed to complete the expected decommissioning and reclamation measures, two sets of standards were taken into consideration. The first was the commitments made in the "2001 Decommissioning and Reclamation Plan" (including Volume IV). The second was the general standard of good mine closure practice elsewhere in Canada, as it is known to the undersigned. The "Draft Terrestrial Reclamation Standards for the Brewery Creek Mine" were also reviewed, and found to be generally consistent with both the plans set out in the "2001 Decommissioning and Reclamation Plan" and the standards of good practice elsewhere in Canada.

Viceroy Costs vs. Contractor Costs

The "Volume IV" estimates were based on productivities and unit costs achieved by Viceroy Minerals Corporation. However, the independent estimate of closure liabilities is to consider the case where Viceroy is no longer on the site, and the Government of the Yukon needs to bring a local contractor in to complete the work. The productivities and unit costs assumed in the "Volume IV" estimates were therefore reviewed and adjusted to values that are more typical of Yukon contractors. For most tasks, it was assumed that the equipment used by local contractors would be one to two classes smaller than that used by Viceroy.

Unit costs for equipment were obtained from the 2003-2004 edition of "The Blue Book", an equipment rate rental guide produced by the B.C. Road Builders and Heavy Construction Association. All-found rates, which include all costs, expenses and profit were used. When the guide indicated a difference between rates for new and older equipment, an average rate was used. All of the unit rates were increased by 10% as a northern allowance. Costs for mobilizing the equipment to the site were also added to the estimates as a separate line item.

Contingencies

The "Volume IV" estimates applied contingencies of between 10% and 20% to the estimated total costs from each cost center. It is important to understand what is meant by "contingencies". In common usage, contingencies are provisions for something that might never come to pass. However, the contingencies in these estimates are likely to be required. They are included to account for a number of costs and uncertainties that cannot be more explicitly detailed in this level of estimate.

The contingency percentages suggested in "Volume IV" are generally consistent with good practice elsewhere, particularly given the fact that there is now direct experience carrying out most of the required activities at this site. Some thought was given to increasing the contingency for Site Facilities Removal and Reclamation, on the grounds that there is as yet

no site experience with this type of work and because costs of demolition projects elsewhere have proven difficult to estimate accurately. However, it was also noted that the current estimate takes no account of value that might be recovered from re-use or salvage of the site buildings. If that value were taken into account, it would act to offset cost overruns. The "Volume IV" contingency percentages were therefore accepted for all of the cost centers.

Net Present Value Calculations

In preparing cost estimates for activities that can take place many years in future, it is important to take into account the effects of interest and inflation. The conventional way to do that is to use a Net Present Value or "NPV" calculation. In simple terms, the NPV calculation shows how much money one would need to set aside today in order to have enough money to carry out the future activities.

To complete the NPV calculations, all of estimated costs were set out on a timeline extending from 2004 to 2018. Costs were generally put in the earliest year when an activity might be required. That approach has the effect of resulting in a cautiously high estimate of the NPV.

The timeline of costs was then used to calculate the NPV of the estimates for each cost center and each mitigation measure, i.e. how much money would need to be set aside under each cost category. The interest rate used in such calculations is a question of policy, rather than engineering. Most corporate investors would use a relatively high rate, which would result in a lower NPV. In SRK's experience, Canadian governments commonly use a much lower interest rate, roughly equivalent to the rate of return on long-term Government of Canada Savings Bonds.

The "Volume IV" estimates included an escalator for inflation. The escalator was applied to each year's cost estimates. However, a simpler method is to recognize that inflation acts counter to interest, i.e. it requires one to put aside more money now to allow for the increased future costs. Inflation can then be accounted for within the NPV calculations. For example, an apparent interest rate of x % and an annual inflation of y % can be accounted for by simply assuming an "effective interest rate" of x-y % in the NPV calculation.

That approach was used for the independent engineer's estimate of the outstanding liability. An apparent interest rate of 5% was selected from tables of long term bond rates, and adjusted downward by an assumed inflation rate of 2%, resulting in the effective interest rate of 3% that was used in the NPV calculations.

Mitigation Measures and Likelihood

Most of the closure activities at the Brewery Creek site are low risk. However, in the opinion of the undersigned, there are three areas where the uncertainties are greater. The three areas are the heap, the Lucky Haul road, and the Blue Dump. For each of those areas, mitigation measures that conceivably might be required at some time in the future were assessed and cost estimates were developed. Further details are provided in Section 4 below.

The likelihood that each of the mitigation measures will be required was then described using the terms "possible", "unlikely" and "very unlikely". The definitions of these terms were taken from SRK experience with qualitative risk assessments on similar projects:

- *"Possible" implies that the event has happened elsewhere, perhaps several times, and could happen here;*

- *"Unlikely" implies that the event may have happened elsewhere, but only under conditions that are less favourable than here; and,*
- *"Very unlikely" implies that the event is theoretically possible, or at least cannot be ruled out given currently available information, but would require a remote combination of circumstances.*

Provision for Mitigation Measures in Outstanding Closure Liability

It could be argued that the estimate of outstanding liability should include provision for all of the above mitigation measures, regardless of their likelihood. The problem with such reasoning is that it is always possible to imagine a lower probability outcome requiring a more costly mitigation measure. Ultimately a policy decision is required to determine whether a probability is low enough that the risk can be accepted without a provision in the liability estimate. There is no single answer as to where the line should be drawn. It is clear that governments are less willing to accept risk than investors, and the line is drawn more cautiously when government is to be left holding the risk.

To come up with a basis for determining which mitigation costs should be included in the independent engineer's estimate of the outstanding liability, reference was made to SRK's experience with precedents involving government accepting mine closure-related risks. The precedents are three cases in British Columbia where the provincial government has participated in negotiations of final securities for closed mines.

- *In the case of Equity Silver Mine, the negotiated security provides for perpetual collection and treatment of contaminated water, which is certainly "possible", but does not provide for "unlikely" or "very unlikely" increases in contaminant concentrations.*
- *In the case of Britannia Mine, the provincial government negotiated with former owners of the property to pay for construction and operation of a water treatment plant. Again the plant was sized to handle "possible" current flows and chemistry, but not "unlikely" increases in either.*
- *In the third case, which is confidential, the owner was transferring the property to a third party and wanted an "exit ticket" from the provincial government. The negotiated security included provision for "possible" activities such as groundwater cleanup and collection of acidic pit water, but did not require provision for "unlikely" increases in acid generation.*

On the basis of these precedents, only "possible" mitigation measures were included in the independent engineer's estimate of outstanding liability for the Brewery Creek Mine.

2.3 Meeting with Yukon Government

After both the undersigned and Mr. Januszewski completed draft estimates of the outstanding closure liability, a meeting was held to compare the results. The meeting brought to light several errors or oversights in the draft estimates, on both side. The corrected values are presented herein.

3 Estimated Costs for Expected Activities

Table 1 presents a summary of the estimated costs for the expected decommissioning and reclamation activities in each of the cost centers. The table shows both the undiscounted (no interest, no inflation) estimates and the NPV estimates.

The remaining cost items under the Mine Area Reclamation estimate include:

- Mobilization of a small crew and equipment for 2005 field work;
- A study of metal uptake by vegetation on the covered waste;
- Repairs to erosion damage, estimated as 5% of the reclaimed area of the Upper Fosters, Canadian, Blue, South Golden, Lower Fosters, Pacific and Moosehead reclaimed areas, and 15% of the Kokanee and, North Golden and Lucky reclaimed areas;
- Re-seeding and fertilization of most of the areas where seeding was attempted in late 2003 and spring 2004, including:
  - 1.9 hectares of the Upper Fosters reclamation area,
  - 60% or 5.5 ha of the Canadian reclamation area,
  - 80% of Blue Pit and Waste Rock reclamation areas, respectively 3.9 and 8.5 hectares,
  - 4.7 hectares of the Kokanee reclamation area
  - 9.5 hectares of the North Golden reclamation area
  - 25% or 3.5 hectares of the South Golden reclamation area
  - All of the Lower Fosters reclamation area, plus an additional 25% re-seeding and fertilization in 2006,
  - 25% or 2.9 hectares of the Pacific reclamation and silt borrow areas
  - 70% or 4.3 hectares of the Moosehead reclamation area;
- Construction of sediment control works at Kokanee and South Golden pits;
- Scarification, covering, seeding and fertilizing of the remaining 50% of the Moosehead haul road, and capping of the Moosehead landfill area;
- Removal of the remaining 12% of the Haul Road berms and broadcast seeding of the reclaimed haul roads (the 2003 estimate had included hydro-seeding) and,
- Scarification and re-contouring of the perimeter roads.

There was significant progress in Site Facilities Removal and Reclamation in 2004. The remaining cost items are:

- Approximately 50% of the removal of the Warehouse & Maintenance Shop Building;
- Removal of the Exploration Office, core logging facility and shipping trailers;
- Removal of the land application piping system;
- General site re-grading, growth media placement and erosion control;
- Seeding and fertilization;

- Shipment of remaining inventories of hydrocarbon products, reagents, chemical and wastes;
- Land-farming of hydrocarbon contaminated soils, with an additional provision for a contaminated soil survey;
- Close-out of the site sewage septic systems;
- Cleanup of the site boneyard;
- Close-out of the site landfill; and,
- Final regarding and reclamation of the pond areas, (when management of the heap effluent is no longer required).

The Process and Water Treatment estimate was set to zero, and any further costs for treating heap effluent were accounted for as mitigation measures (see Section 4 below). The Manpower estimate and the General and Administration estimate were revised to include only costs for the remaining months of 2004, *i.e.* October, November and December. Work under Leach Pad Detoxification was complete in 2003.

Remaining cost items under the Leach Pad Reclamation estimate include:

- Construction of a breach and ditches to allow free drainage from the heap (once water quality is acceptable for direct release);
- Seeding and fertilization of the Cell 8-10 areas;
- Repair of erosion over an estimated 10% of the reclaimed area;
- Re-seeding and fertilization of an estimated 25% of the reclaimed area.

Post-Closure Monitoring has not started. The "Volume IV" estimates for that cost center were generally retained. An additional $10,000 was added to allow for monitoring of the Blue Dump. The cost for long-term nutrient addition to the BTC, which was in the original estimate, was moved to a mitigation measure in 2003.

Table 1. Cost Estimates for Expected Decommissioning and Reclamation Activities

Cost Center	Undiscounted Costs	Net Present Value Costs
Mine Area Reclamation	$ 201,000	$ 194,000
Site Facilities Removal and Reclamation	$ 220,000	$ 211,000
Leach Pad Detoxification	-	-
Manpower	$ 64,000	$ 62,000
General and Admin	$ 45,000	$ 43,000
Process Water Treatment	-	-
Leach Pad Reclamation	$ 60,000	$ 58,000
Post-Closure Monitoring	$ 563,000	$ 430,000
Subtotal Direct Costs	$ 1,152,000	$ 997,000
Contingency	$ 135,000	$ 122,000
Total	$ 1,288,000	$ 1,119,000

4 Estimated Costs for Mitigation Measures

Table 2 presents a summary of the estimated costs for possible mitigation measures, and the likelihood that each mitigation measure will be needed. The terminology used to describe likelihood is defined in Section 2.2.

In the heap area, there remains some uncertainty about the requirements for future management of drainage from the heap. The water quality analyses of heap effluent, land application feed and direct discharges from the ponds showed generally decreasing concentrations of contaminants throughout most of 2004 (see Attachment 2). However, the mid-September samples showed ammonia, arsenic and selenium increasing to near the levels above which direct discharge would not be allowed under the current Water License. Review of the entire data set suggests that the September data reflect a flushing of portions of the heap that were not drained during the very dry 2004 summer. However, the possibility that contaminant concentrations might continue to show fluctuations in future cannot be ruled out.

Various mitigation measures for the heap drainage were considered in the September 2003 report, and cost estimates were developed for an additional two years of land application, construction and operation of a small biological treatment cell, and construction and operation of a large biological treatment cell. During the summer of 2004, Viceroy constructed the large biological treatment cell and prepared it for use. It is therefore considered "unlikely" that Viceroy will adopt the mitigation measures involving two years of additional land application. The more likely mitigation measure will be to operate the biological treatment cell. Future trends in the drainage chemistry will determine the length of time that the biological treatment cell needs to be operated. Based on the heap effluent water quality data discussed above, a two-year treatment period is considered to be "likely" and a five-year treatment period is considered to be "possible".

A portion of the Lucky Haul Road was showing clear signs of slope failure during the September 2003 inspection. Material was removed from the crest of the slope in 2004. It remains uncertain whether more material will have to be removed at some time in the future. Additional small areas of instability were noted in the dump above the Lucky Pit during the September 2004 inspection. The mitigation measure for both areas would be regrading with a dozer, followed by re-seeding. The likelihood that such measures will be required is considered to be "possible".

Table 2: Cost and Likelihood Estimates for Possible Mitigation Measures

Mitigation Measure	Undiscounted Costs	Net Present Value (NPV) Costs	Likelihood that Measure will be Needed
Operate heap effluent land application for additional two years	$ 273,000	$ 258,000	Unlikely
Operate heap effluent BTC for two years	$ 303,000	$ 286,000	Likely
Operate heap effluent BTC for five years	$ 758,000	$ 675,000	Possible
Additional stabilization of Lucky Haul Road and Lucky Dump areas	$ 35,000	$ 33,000	Possible
Construct improved cover on Blue Dump waste rock	$ 1,074,000	$ 1,033,000	Very Unlikely

Investigations completed in late 2003 provided a better understanding of the potential for the Blue Dump waste to generate acidic drainage and release contaminants, and indicated that the cover placed on the dump will be sufficient to prevent any significant transport of contaminants to Laura Creek. The studies also showed that, even under worst case assumptions, any increase in contaminant concentrations in the South Klondike River would be at or below the level at which they could be measured.

The 2004 monitoring of infiltration rates through the cover supports the conclusions of the earlier studies. However, experience elsewhere shows that several seasons of monitoring are needed before definitive estimates of infiltration rates are possible. To cover the possibility that the cover will prove to be insufficient, a cost estimate was developed for improving the cover on the dump. It was assumed that the vegetation would be stripped from the existing cover, which would then be re-compacted, and an additional 2 m of cover material would then be placed and vegetated. The likelihood that the Blue Dump cover improvements will be needed was judged to be "very unlikely", on the basis of the low risk levels indicated by the 2003 testing and the 2004 monitoring.

5 Estimate of Outstanding Liability

Table 3 summarizes the undersigned independent engineer's opinion as to the outstanding closure liabilities at the Brewery Creek Mine, as of September 2004. The estimate includes the full cost of the expected decommissioning and reclamation activities, as well as provision for the "possible" mitigation measures.

Table 3: Outstanding Closure Liability at Brewery Creek Mine as of September 2004

Category	Outstanding Undiscounted Liability	Outstanding Net Present Value Liability
Expected Decommissioning and Reclamation Activities	$ 1,288,000	$ 1,119,000
Possible Mitigation Measures (Operate heap effluent BTC for five years and additional stabilization of Lucky Haul Road and Lucky Dump areas)	$ 783,000	$ 708,000
Total Outstanding Closure Liability	$ 2,080,000	$ 1,827,000

SRK Report Distribution Record

Project No., 1CV001.02

Copy No.

Name/Title	Company	Copy	Date	Authorised by

Approval Signature:

Attachment 1
Liability Estimate Spreadsheet

Table 1
Undiscounted Summary of All Items

Cost Center	Estimates from Sept 2003 Review	Estimates from Sept 2004 Review	Contingency Factors	Notes and references
Mine Area Reclamation	$ 528,894	$ 201,269	20%	See Tables 5 and 6.
Site Facilities Removal and Reclamation	$ 576,829	$ 219,515	10%	See Table 7.
Leach Pad Detox	$ -	$ -	20%	Complete.
Manpower	$ 260,550	$ 64,125	10%	See Table 9.
General and Admin	$ 444,915	$ 44,626	10%	See Table 10.
Process Water Treatment	$ 58,500	$ -	20%	Complete.
Leach Pad Reclamation	$ 120,485	$ 60,054	10%	See Table 8.
Post-Closure Monitoring	$ 584,600	$ 562,773	10%	See Table 12.
Direct Costs	$ 2,574,774	$ 1,152,363		
Contingency	$ 316,217	$ 135,363		
Inflation Allowance				Now covered in NPV calculation
Total	$ 2,890,990	$ 1,287,726		
NPV				

Mitigation Measures				
Operate land application for additional two years	$ 431,024	$ 273,346		See Table 3
Operate BTC in Pregnant Solution Pond for two years		$ 303,346		See Table 3
Operate BTC in Pregnant Solution Pond for five years	$ 1,362,560	$ 758,365		See Table 3
Lucky Haul Road and Dump Areas - Additional stabilization	$ 83,064	$ 34,603		See Table 3
Blue Dump cover improvement	$ 1,074,239	$ 1,074,239		See Table 3

Cases			
Base case	$ 2,890,990	$ 1,287,726	Likely
Base case with additional land application	$ 3,322,014	$ 1,561,072	Unlikely
Base case with BTC in Preg Pond for 2 years		$ 1,591,072	Likely
Base case with BTC for 2 years and Lucky area regrading		$ 1,625,675	Likely
Base case with BTC in Preg Pond for 5 years	$ 4,253,550	$ 2,046,091	Possible
Base case with BTC for 5 years and Lucky area regrading	$ 4,336,614	$ 2,080,694	Possible
Base case with BTC for 5 years, Lucky area and Blue Dump	$ 5,410,853	$ 3,154,933	Very unlikely

Table 2
NPV Discounted Summary 4%

Cost Center	NPV	2005	2006	2007	2008	2009-2013	2010	2011	2012	2013	2014	2015_2017	2016	2017	2018
Mine Area Reclamation	$ 193,528	$ 201,269	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Site Facilities Removal and Reclamation	$ 211,072	$ 219,515	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Leach Pad Detox	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Manpower	$ 61,659	$ 64,125	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
General and Admin	$ 42,910	$ 44,626	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Process Water Treatment	#REF!	$ -	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Leach Pad Reclamation	$ 57,744	$ 60,054	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Post-Closure Monitoring	$ 430,260	$ 68,740	$ 67,240	$ 67,240	$ 67,240	$ 24,240	$ 24,240	$ 24,240	$ 24,240	$ 24,240	$ 33,240	$ 24,240	$ 24,240	$ 33,240	$ 33,240
Direct Costs	#REF!	$ 658,330	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Contingency	#REF!	$ 85,960	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Inflation Allowance	$ -														
Total NPV	#REF!	$ 744,289	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Mitigation Measures	NPV	2004	2005	2006	2007	2008	2009
Operate land application for additional two years	$ 257,778		$ 136,673	$ 136,673			
Operate BTC in Pregnant Solution Pond for two years	$ 286,070		$ 151,673	$ 151,673			
Operate BTC in Pregnant Solution Pond for five years	$ 675,222		$ 151,673	$ 151,673	$ 151,673	$ 151,673	$ 151,673
Lucky Haul Road and Dump Areas - Additional stabilization	$ 33,272		$ 34,603				
Blue Dump cover improvement	$ 1,032,922		$ 1,074,239				

Cases		
Base case	#REF!	Likely
Base case with additional land application	#REF!	Unlikely
Base case with BTC in Preg Pond for 2 years	#REF!	Likely
Base case with BTC for 2 years and Lucky area regrading	#REF!	Possible
Base case with BTC in Preg Pond for 5 years	#REF!	Possible
Base case with BTC for 5 years and Lucky area regrading	#REF!	Possible
Base case with BTC, haul road and Blue Dump	#REF!	Very unlikely

Table 3
Mitigation Measures

Heap Area

Operate land application for additional two years

Operating cost	$	-	See Table 12
G&A cost	$	136,673	See Table 11
Annual total	$	136,673	
Additional years	$	2	
Total	$	273,346	

Operate BTC in Pregnant Solution Pond for two years

Construct BTC			Complete in Sept 2004
Operate BTC	$	15,000	For nutrients and maintenance.
G&A cost	$	136,673	See Table 11
Annual total	$	151,673	
Additional years	$	2	``
Total	$	303,346	

Operate BTC in Pregnant Solution Pond for five years

Construct BTC			Complete in Sept 2004
Operate BTC	$	15,000	For nutrients, maintenance & monitoring.
G&A cost	$	136,673	See Table 11
Annual total	$	151,673	
Additional years	$	5	``
Total	$	758,365	

Mine Area

Lucky Haul Road and Dump Areas - Additional stabilization

Regrade with D9		80	hours
Unit Cost	$	282.54	From Table 5
Removal cost	$	22,603	
Re-seed (2 ha @ $2000/ha)	$	4,000	
Engineering & Supervision	$	10,000	
Mob/Demob	$	2,000	
Total	$	34,603	

Blue Dump cover improvement

Strip and compact curent cover. Add 2 m new material. Revegetate. Assume borrow source available!

Improve cover over total area	m^2	106,000				
Strip vegetation	m^2	106,000	2000	53	$ 359	$ 19,003
Compact	m^2	106,000	1000	106	$ 441	$ 46,754
2m new cover over total area	m^2	106,000				
Load growth media with front end loader (s	m^3	212,000	389	545	$ 322	$ 175,570
Haul growth media with haultrucks	m^3	212,000	100	2120	$ 292	$ 618,913
Spread growth media with dozer	m^3	212,000	1000	212	$ 359	$ 76,012
Broadcast seed and fertilizer	hectare	10.60			$ 400	$ 4,240
Regrade borrow area	m^2	50,000	1000	50	$ 135	$ 6,749
Re-seed and fertilize borrow area	hectare	5.00			$ 400	$ 2,000
Engineering & Supervision						$ 75,000
Mob/Demob						$ 50,000
Total						$ 1,074,239

Table 4
Unit Cost Table

Contractor Equipment Rates as Revised in Sept 2003

Revised Equipment Rates Unit of Equipment	Cost per Op Hour	Basis	All-Found Rates New	 10-Year Old	 Source	 Average	With 10% Northern Increase
Smaller fleet		**Smaller fleet**					
D9 Bulldozer	$ 283	D9 Bulldozer	$ 269	$ 245	(B.C.)	$ 257	$ 283
D8 Bulldozer	$ 216	D8 Bulldozer	$ 205	$ 187	(B.C.)	$ 196	$ 216
12H Grader	$ 124	12H Grader	$ 117	$ 109	(B.C.)	$ 113	$ 124
769 Haul truck (35 tonne)	$ 194	769 Haul truck	$ 177	$ 177	(B.C.)	$ 177	$ 194
990 Front end loader	$ 275	990 Front end loader	$ 250	$ 250		$ 250	$ 275
365 Backhoe	$ 301	365 Backhoe	$ 286	$ 261	(B.C.)	$ 273	$ 301
Large fleet		**Viceroy fleet**					
D10N Bulldozer	$ 359	D10N Bulldozer	$ 341	$ 311	(B.C.)	$ 326	$ 359
14G Grader	$ 135	14G Grader	$ 127	$ 118	(B.C.)	$ 123	$ 135
777 Haul truck (70 tonne)	$ 292	777 Haul truck	$ 265	$ 265	(B.C.)	$ 265	$ 292
992 FEL	$ 322	992 FEL	$ 293	$ 293	(Sask.)	$ 293	$ 322
375 Backhoe	$ 317	365/385 Backhoe	$ 301	$ 275	(B.C.)	$ 288	$ 317
Compactor	$ 83	Compactor	$ 76	$ 74	(B.C.)	$ 75	$ 83

Viceroy Minerals Corporation Owned and Operated Equipment Rates

Unit of Equipment	Cost per Op Hour
D10N Bulldozer	$ 88
16G Grader	$ 50
Haul truck (100 ton)	$ 92
992 Front end loader	$ 118
375 Backhoe	$ 88
Labour	$ 25

Operating costs include operator, fuel, maintenance, room and board

Volume IV Equipment Rates Unit of Equipment	Cost per Op Hour
D10N Bulldozer	$ 164
14G Grader	$ 77
Haul truck (100 ton)	$ 189
992 FEL	$ 235
375 Backhoe	$ 194
Compactor	$ 44

Operating costs for Dozer, Grader, Compactor based on quoted 1999 Leach Pad Construction inflated by 3% annually through 2002. Costs include operator, fuel and maintenance. Other equipment is 50% above Viceroy Minerals Costs for owning/operating for a conservative value for estimating Contractor Rates.

Table 4
Unit Cost Table

Actual Brewery Creek Mine Production Figures

Task Description	Unit of Measure	Production per Hour	Actual BCM $/m3	Plan Costs $/m3
Stockpile to Dump Location (500 m)				
FEL/Backhoe (164,000 m^3 @ 422 hrs)	m^3	389	$ 0.30	$ 0.83
Blue WRSA in April/May 2001				
D10N dozer (62,100 m^3 @ 202 hours)	m^3	307	$ 0.29	$ 1.17
Blue In-pit Backfill				
D10N dozer (19,200 m^3 @ 65 hours)	m^3	295	$ 0.30	
North Golden WRSA Recontour May 2002 D10N & 375 Backhoe (74,885 m3 @150 Dozer hours, 15 Backhoe hours)	m3	453	$ 0.23	$ 0.38

Broadcast (includes seed and fertilizer)	hectare	$	400	Open Pits
Hydroseed (includes mulch/seed/etc.)	hectare	$	5,000	Open Pits
Broadcast (includes seed and fertilizer)	hectare	$	750	Leach Pad

All production rates are actual machine hours that included idle running time.

Broadcast seed and feritlizer rates from August 2002 quotation - Pickseed Edmonton, AB

Hydroseed rates are quoted rates from Adorna Flowers and Landscaping Ltd.

Note: This table corresponds to Table 7-4 in "Volume IV".

Table 5

Open Pit Mining and Waste Rock Storage Areas

Note: This table corresponds to Table 7-5 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
Mobilization/Demobilization	Season	1			$ 80,000	$ 80,000		100%	$ -	
Future Mobilization		1			$ 20,000	$ 20,000		0%	$ 20,000	
Subtotal							$ 100,000			$ 20,000
Metal Uptake Study										
Field sampling, analysis, and reporting	lot	1			$ 20,000	$ 20,000		0%	$ 20,000	
Subtotal							$ 20,000			$ 20,000
Upper Fosters Open Pit										
Equipment work to recontour partially backfilled open pit										
Dozer cut to fill slopes	m^3	2,400	307	complete	$ 359	complete				
Backhoe work to pull back slopes	m^3	2,900	300	complete	$ 317	complete				
Dozer recontouring areas	m^2	3,800	600	complete	$ 359	complete				
Total area to be reseeded	m^2	36,700								
Load growth media with front end loader	m^3	-	389	0	$ 322	$ -		100%	$ -	
Haul growth media with haultrucks	m^3	-	195	0	$ 292	$ -		100%	$ -	
Spread growth media with dozer	m^3	-	389	0	$ 359	$ -		100%	$ -	
Broadcast seed and fertilizer	hectare	3.67			$ 400	$ 1,468		100%	$ -	
2004 Erosion Repairs (5%)	m^2	1,835								
Erosion repairs with dozer	m^3	918	150	6	$ 283	$ 1,695		0%	$ 1,695	
2004 Re-Seeding (1 ha + 25%)	m^2	19,175								
Broadcast seed and fertilizer	hectare	1.92			$ 400	$ 767		0%	$ 767	
Subtotal							$ 3,930			$ 2,462
The Canadian Open Pit										
Equipment work to recontour partially backfilled open pit										
Dozer cut to fill slopes	m^3	63,200	295	214	$ 359	$ 76,729		100%	$ -	
Dozer work to construct diversion ditches	lot				$ 359	$ -		100%	$ -	
Construct cap for waste landfill area	lot					$ 5,000		100%	$ -	
Total area to be reseeded	m^2	91,500								
Load growth media with front end loader	m^3	31,050	389	80	$ 322	$ 25,772		100%	$ -	
Haul growth media with haultrucks	m^3	31,050	195	159	$ 292	$ 46,418		100%	$ -	
Spread growth media with dozer	m^3	87,627	389	225	$ 359	$ 80,673		100%	$ -	
Broadcast seed and fertilizer	hectare	9.15			$ 400	$ 3,660		100%	$ -	
2005 Erosion Repairs (5%)	m^2	4,575								
Erosion repairs with dozer	m^3	2,288	150	15	$ 283	$ 4,238		0%	$ 4,238	
2005 Re-Seeding (60%)	m^2	54,900								
Broadcast seed and fertilizer	hectare	5.49			$ 400	$ 2,196		0%	$ 2,196	
Subtotal							$ 244,685			$ 6,434

Table 5

Open Pit Mining and Waste Rock Storage Areas

Note: This table corresponds to Table 7-5 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost	Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
The Blue Open Pit									
Equipment work to recontour partially backfilled open pit									
Dozer cut to fill slopes	m^3	19,200	295	complete	$ 359	complete			
Dozer recontouring areas	lot			30	$ 359	$ 10,756	100%	$ -	
Dozer/Backhoe work to construct diversion ditches	lot			complete	$ 359	complete			
Construction of overflow sediment control works	lot					$ 4,700	100%	$ -	
Total area requiring seds/silt cap	m^2	4,000					100%	$ -	
Load seds/silt with front end loader	m^3		389	0	$ 322	$ -	100%	$ -	
Haul seds/silt with haultrucks	m^3	-	195	0	$ 292	$ -	100%	$ -	
Spread seds/silt with dozer	m^3	-	389	0	$ 359	$ -	100%	$ -	
Compact seds/silt with roller	m^2			0	$ 83	$ -	100%	$ -	
Total area to be reseeded	m^2	49,300							
Load growth media with front end loader	m^3	-	389	0	$ 322	$ -	100%	$ -	
Haul growth media with haultrucks	m^3	-	195	0	$ 292	$ -	100%	$ -	
Spread growth media with dozer	m^3	-	389	0	$ 359	$ -	100%	$ -	
Broadcast seed and fertilizer	hectare	4.93			$ 400	$ 1,972	100%	$ -	
2005 Erosion Repairs (5%)	m^2	2,465							
Erosion repairs with dozer	m^3	1,233	150	8	$ 283	$ 2,260	0%	$ 2,260	
2005 Re-Seeding (80%)	m^2	39,440							
Broadcast seed and fertilizer	hectare	3.94			$ 400	$ 1,578	0%	$ 1,578	
Subtotal									$ 3,838
						$ 21,266			

Table 5

Open Pit Mining and Waste Rock Storage Areas

Note: This table corresponds to Table 7-5 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost		Estimated Remaining Subtotals	
The Blue Waste Rock Storage Area												
Equipment work to recontour Waste Rock Storage Area												
Dozer cut to fill slopes	m^3	62,100	307	complete	$ 359	complete						
Dozer recontouring areas	m^2			complete		complete						
Dozer work to construct diversion ditches	lot			complete	$ 359	complete						
Backhoe work to re-construct collection ditch	lot			complete	$ 317	complete						
Total area requiring seds/silt cap	m^2											
Load seds/silt with front end loader	m^3		389	0	$ 322	$	-	100%	$	-		
Haul seds/silt with haultrucks	m^3		195	0	$ 292	$	-	100%	$	-		
Spread seds/silt with dozer	m^3		389	0	$ 359	$	-	100%	$	-		
Compact seds/silt with roller	m^2				$ 83	$	-	100%	$	-		
Construct monitor locations downstream of WRSA	lot			20	$ 317	complete						
Supplies and labour to set up monitor sites	lot					complete						
Complete Blue WRSA Field Program												
Recontour Canadian Creek Control Structure	lot					$	25,000	100%	$	-		
Backhoe	lot			30	$ 317	$	9,504	100%	$	-		
Dozer	lot			30	$ 359	$	10,756	100%	$	-		
Revegetation	lot					$	1,000	100%	$	-		
Total area to be reseeded	m^2	106,000										
Load growth media with front end loader (soil cover)	m^3	53,000	389	136	$ 322	$	43,812	100%	$	-		
Haul growth media with haultrucks	m^3	53,000	195	272	$ 292	$	79,408	100%	$	-		
Spread growth media with dozer	m^3	53,000	389	136	$ 359	$	48,762	100%	$	-		
Broadcast seed and fertilizer	hectare	10.60			$ 400	$	4,240	0%	$	4,240		
2005 Erosion Repairs (5%)	m^2	5,300										
Erosion repairs with dozer	m^3	2,650	150	18	$ 283	$	5,086	0%	$	5,086		
2005 Re-Seeding (80%)	m^2	84,800										
Broadcast seed and fertilizer	hectare	8.48			$ 400	$	3,392	0%	$	3,392		
Blue Dump ARD studies	lump					$	10,000	100%	$	-		
Blue Dump cover monitoring	lump							0%	$	-		
Subtotal											$	12,718
						$ 240,960						

Table 5

Open Pit Mining and Waste Rock Storage Areas

Note: This table corresponds to Table 7-5 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
The Kokanee Open Pits										
Equipment work to recontour partially backfilled open pit										
Dozer cut to fill slopes	m^3	39,800	295	complete	$ 359	complete				
Dozer recontouring areas	m^2	70,400	600	complete	$ 359	complete				
Dozer work to construct diversion ditches	lot				$ 359	$ -		100%	$ -	
Construction of overflow sediment control works	lot					$ 4,700		0%	$ 4,700	
Total area to be reseeded	m^2	168,500								
Load growth media with front end loader	m^3	14,079	389	36	$ 322	complete				
Haul growth media with haultrucks	m^3	2,079	195	11	$ 292	complete				
Spread growth media with dozer	m^3	19,679	389	51	$ 359	complete				
Broadcast seed and fertilizer	hectare	16.85			$ 400	complete				
2004 Erosion Repairs (15%)	m^2	25,275								
Erosion repairs with dozer	m^3	12,638	400	32	$ 283	$ 9,041		0%	$ 9,041	
2004 Re-Seeding (3 ha + 10%)	m^2	46,850								
Broadcast seed and fertilizer	hectare	4.69			$ 400	$ 1,874		0%	$ 1,874	
Subtotal							$ 15,615			$ 15,615
The North Golden Open Pit										
Equipment work to recontour partially backfilled open pit										
Dozer cut to fill slopes	m^3	23,200	295	79	$ 359	complete				
Dozer recontouring areas	m^3	15,000	600	25	$ 359	complete				
Dozer work to construct diversion ditches	lot				$ 359	$ -				
Total area to be reseeded	m^2	112,200								
Load growth media with front end loader	m^3	9,985	389	26	$ 235	complete				
Haul growth media with haultrucks	m^3	6,615	195	34	$ 189	complete				
Spread growth media with dozer	m^3	7,441	389	19	$ 359	complete				
Broadcast seed and fertilizer	hectare	11.22			$ 400	complete				
Bench dump to southeast of Pit	m^3	15,000								
Small Backhoe	m^3	15,000	200	75	$ 301	$ 22,558		100%	$ -	
2004 Erosion Repairs (15%)	m^2	16,830								
Erosion repairs with dozer	m^3	8,415	400	21	$ 283	$ 5,933		0%	$ 5,933	
2004 Re-Seeding (5 ha + 40%)	m^2	94,880								
Broadcast seed and fertilizer	hectare	9.49			$ 400	$ 3,795		0%	$ 3,795	
Subtotal							$ 32,286			$ 9,728

Table 5

Open Pit Mining and Waste Rock Storage Areas

Note: This table corresponds to Table 7-5 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost	Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
The South Golden Open Pit									
Equipment work to recontour partially backfilled open pit									
Dozer cut to fill slopes	m^3	5,600	295	19	$ 359	complete			
Backhoe cut to fill slopes	m^3	9,100	300	30	$ 317	complete			
Dozer recontouring areas	m^2			60	$ 359	complete			
Dozer work to construct highwall/road access berms	lm			10	$ 359	complete			
Dozer work to construct diversion ditches	lm				$ 359	$ -			
Construction of overflow sediment control works	lot					$ 4,700	100%	$ -	
Total area to be reseeded	m^2	13,800							
Load growth media with front end loader	m^3	9,985	389	26	$ 235	complete			
Haul growth media with haultrucks	m^3	9,985	195	51	$ 189	complete			
Spread growth media with dozer	m^3	11,459	389	29	$ 359	complete			
Broadcast seed and fertilizer	hectare	1.38			$ 400	complete			
2004 Erosion Repairs (5%)	m^2	690							
Erosion repairs with dozer	m^3	345	150	2	$ 322	$ 644	0%	$ 644	
2004 Re-Seeding (25%)	m^2	3,450							
Broadcast seed and fertilizer	hectare	0.35			$ 400	$ 138	0%	$ 138	
Subtotal									$ 782
						$ 5,482			

Table 5

Open Pit Mining and Waste Rock Storage Areas

Note: This table corresponds to Table 7-5 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
The Lucky Open Pit										
Equipment work to recontour partially backfilled open pit										
Dozer cut to fill slopes	m^3	1,000	295	complete	$ 359	complete				
Dozer recontouring areas	m^2	40,800	600	68	$ 359	complete				
Backhoe work to recontour stream channel	m3	1,900	300	complete	$ 317	complete				
Construction of overflow sediment control works	lot			complete		complete				
Total area to be reseeded	m^2	42,500								
Load growth media with front end loader	m^3	5,500	389	14	$ 235	complete				
Haul growth media with haultrucks	m^3	5,500	195	28	$ 189	complete				
Spread growth media with dozer	m^3	5,900	389	15	$ 359	complete				
Broadcast seed and fertilizer	hectare	4.25			$ 400	complete				
2004 Erosion Repairs (15%)	m^2	6,375								
Erosion repairs with dozer	m^3	3,188	400	8	$ 283	$ 2,260		0%	$ 2,260	
2004 Re-Seeding (50%)	m^2	21,250								
Broadcast seed and fertilizer	hectare	2.13			$ 400	$ 850		0%	$ 850	
Stabilization of Haul Road										
Remove 100 m x 20 m x 6 m	m^3	12,000								
Load with backhoe	m^3	12,000	300	40	$ 275	$ 11,000		100%	$ -	
Haul with haultrucks	m^3	12,000	150	80	$ 194	$ 15,532		100%	$ -	
Subtotal							$ 29,642			$ 3,110
The Lower Fosters Open Pit										
Equipment work to recontour partially backfilled open pit										
Dozer recontouring areas	m^2	44,300	1000	complete	$ 359	complete				
Dozer work to construct highwall/road access berms	lot			complete	$ 359	complete				
Dozer work to construct diversion ditches	lot			complete	$ 359	complete				
Total area to be reseeded	m^2	44,300								
Broadcast seed and fertilizer	hectare	4.43			$ 400	$ 1,772		0%	$ 1,772	
2004 Erosion Repairs (5%)	m^2	2,215								
Erosion repairs with dozer	m^3	1,108	150	7	$ 283	$ 1,978		0%	$ 1,978	
2004 Re-Seeding (25%)	m^2	11,075								
Broadcast seed and fertilizer	hectare	1.11			$ 400	$ 443		0%	$ 443	
Subtotal							$ 4,193			$ 4,193

Table 5

Open Pit Mining and Waste Rock Storage Areas

Note: This table corresponds to Table 7-5 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
The Pacific Open Pit & Silt Borrow Area										
Equipment work to recontour partially backfilled open pit										
Dozer cut to fill slopes	m^3	12,545	307	41	$ 359	$ 14,700		100%	$ -	
Dozer recontouring areas	m^2	24,800	600	41	$ 359	$ 14,700		100%	$ -	
Backhoe work to pull back veg/gm from trees in borrow area	lot			complete	$ 317	complete				
Dozer work to construct diversion ditches	lot				$ 359	$ -				
Construction of overflow sediment control works	lot					$ 4,700		0%	$ 4,700	
Total area to be reseeded	m^2	116,500								
Load growth media with front end loader	m^3	4,800	389	12	$ 235	complete				
Haul growth media with haultrucks	m^3	4,800	195	25	$ 189	complete				
Spread growth media with dozer	m^3	7,100	389	18	$ 359	complete				
Broadcast seed and fertilizer	hectare	11.65			$ 400	complete				
2004 Erosion Repairs (5%)	m^2	5,825								
Erosion repairs with dozer	m^3	2,913	150	19	$ 322	$ 6,121		0%	$ 6,121	
2004 Re-Seeding (25%)	m^2	29,125								
Broadcast seed and fertilizer	hectare	2.91			$ 400	$ 1,165		0%	$ 1,165	
Subtotal							$ 41,386			$ 11,986
The Moosehead Open Pit										
Equipment work to recontour partially backfilled open pit				complete	$ 359	complete				
Dozer work to construct highwall/road access berms	lot			complete	$ 359	complete				
Dozer work to construct diversion ditches	lot				$ 359	$ -				
Construct cap for waste landfill area	lot					$ 5,000		0%	$ 5,000	
Construction of overflow sediment control works	lot					$ 4,700		100%	$ -	
Total area to be reseeded	m^2	29,600								
Load growth media with front end loader	m^3		350	0	$ 235	$ -				
Haul growth media with haultrucks	m^3		175	0	$ 189	$ -				
Spread growth media with dozer	m^3	1,435	350	4	$ 359	$ 1,434		100%	$ -	
Broadcast seed and fertilizer	hectare	2.96			$ 400	$ 1,184		100%	$ -	
2004 Erosion Repairs (5%)	m^2	1,480								
Erosion repairs with dozer	m^3	740	150	5	$ 283	$ 1,413		0%	$ 1,413	
Haul road	m^2	22,500								
Scarify with dozer	m^2	22,500	1200	19	$ 283	$ 5,368		50%	$ 2,684	
Load growth media with front end loader	m^3	4,500	300	15	$ 275	$ 4,125		50%	$ 2,063	
Haul growth media with haultrucks	m^3	4,500	150	30	$ 194	$ 5,825		50%	$ 2,912	
Spread growth media with dozer	m^3	4,500	200	23	$ 283	$ 6,498		50%	$ 3,249	
2004 Re-Seeding (70%)	m^2	43,220								
Broadcast seed and fertilizer	hectare	4.32			$ 400	$ 1,729		0%	$ 1,729	
Subtotal							$ 37,276			$ 19,049
Total Estimated Cost in Reclaiming Open Pits and WSRA's							**$ 796,722**			**$ 129,916**

Table 6

Haul Road and Perimeter Access Road Reclamation

Note: This table corresponds to Table 7-6 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
Scarify & Recontour Perimeter Roads (11,000 meters)										
Grader	m	11,000	100	110	$ 124	$ 13,634		0%	$ 13,634	
Dozer (25% of total)	m	2,750	50	55	$ 301	$ 16,542		0%	$ 16,542	
Backhoe (25% of total)	m	2,750	50	55	$ 283	$ 15,539		0%	$ 15,539	
Front end loader (25% of total)	m	2,750	50	55	$ 275	$ 15,125		0%	$ 15,125	
Subtotal							$ 60,840			$ 60,840
Removal of Main Haul Road Side Berms (8,000 meters)										
Length	m	8,000								
Height	m	3.0								
Base	m	4.2								
Total Volume	m^3	50,400								
Adjusted Volume (10% of berms remain to prevent highwall a	m^3	45,360								
FEL (10% of adjusted volume)	m^3	4,536	300	15	$ 275	$ 4,125		100%	$ -	
Backhoe (80% of adjusted volume)	m^3	36,288	200	181	$ 283	$ 51,139		100%	$ -	
Dozer (30% of adjusted volume)	m^3	13,608	100	136	$ 301	$ 40,904		88%	$ 5,113	
Haul (25% of adjusted volume)	m^3	11,340	150	76	$ 194	$ 14,755		100%	$ -	
Subtotal							$ 110,924			$ 5,113
General Recontour of Haulroad Slopes (90% of existing haulroads)										
(10% of existing slopes remain same above pit walls)										
length	m	7,200								
depth (6 m @ 2H : 1V)	m^2	11								
Volume	m^3	79,200								
Consists of sloping top 6 meters back to haul road at 2H:1V										
Backhoe (100% of total length)	m^3	79,200	200	396	$ 283	$ 111,884		100%	$ -	
Haul (25% of total material)	m^3	19,800	150	132	$ 194	$ 25,628		100%	$ -	
Dozer (75% of total)	m^3	59,400	307	193	$ 301	$ 58,048		100%	$ -	
Broadcast Seed and Fertilizer (4000 ft @ 13.4 meters of slope	hectares	5.40			$ 1,000	$ 5,400		0%	$ 5,400	
Hydroseed (4000 ft @ 13.4 meters of slope)	hectares	5.40			$ 5,000	$ 27,000		100%	$ -	
Subtotal							$ 227,960			$ 5,400

Table 6

Haul Road and Perimeter Access Road Reclamation

Note: This table corresponds to Table 7-6 in "Volume IV".

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
Upper Lucky Creek Crossing										
Volume of material overlaying riprap	m^3									
Volume of material to bring both slopes to 2H:1V with channel	m^3									
Material volume subtotal	m^3	10,864								
Total riprap in channel	m^3	1,420								
100% of riprap currently in place	m^3									
Material overlaying riprap and side slopes										
Backhoe (100% of adjsuted volume)	m^3	10,864	300	36	$ 283	$ 10,171		100%	$ -	
Haultrucks (50% of adjusted volume)	m^3	5,432	150	36	$ 194	$ 6,989		100%	$ -	
Dozer Assist (100% of adjusted volume)	m^3	10,864	300	36	$ 301	$ 10,828		100%	$ -	
Place riprap										
Backhoe	m^3	-	100	0	$ 317	$ -				
Subtotal							$ 27,988			$ -
Six Culverts on Main Haul Road										
Excavation to remove culverts and establish drainage channe (6 culverts)	m^3	59,450								
Backhoe (100% of adjusted volume)	m^3	59,450	200	297	$ 283	$ 83,913		100%	$ -	
Haul trucks (50% of adjusted volume)	m^3	29,725	100	297	$ 194	$ 57,663		100%	$ -	
Dozer (100% of adjusted volume)	m^3	59,450	300	198	$ 301	$ 59,552		100%	$ -	
Load, Haul & Place riprap	m^3	3,200								
Make riprap	m^3	3,200	17.5	183	$ 100	$ 18,300		100%	$ -	
FEL	m^3	3,200	200	16	$ 275	$ 4,400		100%	$ -	
Haul trucks	m^3	3,200	100	32	$ 194	$ 6,213		100%	$ -	
Backhoe	m^3	3,200	100	32	$ 301	$ 9,625		100%	$ -	
Subtotal							$ 239,665			$ -
Total Estimated Cost of Reclaiming Haul and Perimeter Roads							**$ 667,377**			**$ 71,353**

Table 7
Site Facilities Removal and Reclamation
Note: This table corresponds to Table 7-7 in "Volume IV".

Area and Task Description	Estimated Hours	Unit Rate	Estimated Cost		Percent Complete	Subtotal Liability	Total Liability
Building Dismantling and Salvaging							
Accommodation Camp - Prefabricated Modular Trailer Units							
These units have been sold "as is where is" and are being prepared by buyer							
General cleanup of site	0	$ 30	$ -	complete	100%	$ -	
Subtotal				$ -			$ -
Administration Office Complex							
These units have been sold "as is where is" and are being prepared by buyer							
General cleanup of site	0	$ 30	$ -	complete	0%	$ -	
Subtotal				$ -			$ -
Engineering Office Complex							
These units have been sold "as is where is" and are being prepared by buyer							
General cleanup of site	0	$ 30	$ -	complete	0%	$ -	
Subtotal				$ -			$ -
Environmental Trailer							
This unit has been sold "as is where is" and has left the property							
General cleanup of site	0	$ 30	$ -	complete	0%	$ -	
Subtotal				$ -			$ -
Warehouse & Maintenance Shop Building (Steel Frame Building on Concrete Slab)							
Remove hazardous materials	96	$ 30	$ 2,880		50%	$ 1,440	
Remove salvageable materials and fittings	240	$ 30	$ 7,200		50%	$ 3,600	
Remove and dispose of steel roof & wall panelling & insulation	480	$ 38	$ 18,240		50%	$ 9,120	
Disassemble steel frame of building	480	$ 38	$ 18,240		50%	$ 9,120	
Disassemble interior steel framing	240	$ 38	$ 9,120		50%	$ 4,560	
Disconnect service piping and electrical cabling	120	$ 38	$ 4,560		50%	$ 2,280	
Remove scrap to landfill	192	$ 38	$ 7,296		50%	$ 3,648	
Prepare salvaged steel for shipment	72	$ 38	$ 2,736		50%	$ 1,368	
Freight to ship building	lot		$ 15,000		50%	$ 7,500	
Crane support	144	$ 100	$ 14,400		50%	$ 7,200	
General cleanup of site	24	$ 30	$ 720		0%	$ 720	
Haul and place soil cover over slab (m^3)	1100	$ 2.25	$ 2,475		0%	$ 2,475	
Subtotal				$ 102,867			$ 53,031
Surface Shop - Atco Fold Away - 12.2 m long x 9.1 m wide on concrete slab							
Remove hazardous materials	12	$ 30	$ 360		100%	$ -	
Remove salvageable materials and fittings	48	$ 30	$ 1,440		100%	$ -	
Disassemble steel frame of building	192	$ 38	$ 7,296		100%	$ -	
Disconnect service piping and electrical cabling	48	$ 38	$ 1,824		100%	$ -	
Remove scrap to landfill	24	$ 30	$ 720		100%	$ -	
Freight to ship building	lot		$ 5,000		100%	$ -	
Crane support	48	$ 100	$ 4,800		100%	$ -	
General cleanup of site	12	$ 30	$ 360		100%	$ -	
Haul and place soil cover over slab (m^3)	150	$ 2.25	$ 338		100%	$ -	
Subtotal				$ 22,138			$ -

Table 7

Site Facilities Removal and Reclamation

Note: This table corresponds to Table 7-7 in "Volume IV".

Area and Task Description	Estimated Hours	Unit Rate	Estimated Cost		Percent Complete	Subtotal Liability	Total Liability
Camp Potable Water Tank - 455 m3 steel tank							
Drain tank & disconnect piping	24	$ 30	$ 720		100%	$ -	
Disconnect steel tank	192	$ 38	$ 7,296		100%	$ -	
Haul scrap steel to landfill	24	$ 30	$ 720		100%	$ -	
Haul and place soil over foundation (m3)	100	$ 2.25	$ 225		100%	$ -	
Subtotal				$ 8,961			$ -
Exploration Office & Core Logging Facility - Wood Frame & Truss Building - 9.8m wide x 12.5 m long							
Remove hazardous materials	6	$ 30	$ 180		0%	$ 180	
Remove salvageable materials and fittings	48	$ 30	$ 1,440		0%	$ 1,440	
Disassemble wood frame of building	192	$ 30	$ 5,760		0%	$ 5,760	
Disconnect service piping and electrical cabling	24	$ 38	$ 912		0%	$ 912	
Remove scrap to landfill	24	$ 30	$ 720		0%	$ 720	
General cleanup of site	12	$ 30	$ 360		0%	$ 360	
Subtotal				$ 9,372			$ 9,372
Exploration Office Shipping Containers - Two 6.1 m shipping containers with wood roof cover							
Remove salvageable materials and fittings	0	$ 30	$ -	complete	0%	$ -	
Disassemble wood frame of roof cover	0	$ 30	$ -	complete	0%	$ -	
Load and ship two containers off site	0	$ 38	$ -	complete	0%	$ -	
Freight cost to ship containers off site	0			complete	100%	$ -	
General cleanup of site	12	$ 30	$ 360		0%	$ 360	
Subtotal				$ 360			$ 360
ADR Plant Building - Engineered Steel Frame Building - 70 m long x 21 m wide							
Remove hazardous materials & clean plant interior	96	$ 30	$ 2,880		100%	$ -	
Remove salvageable materials, equipment & fittings	480	$ 30	$ 14,400		100%	$ -	
Remove and dispose of steel roof & wall panelling & insulation	480	$ 38	$ 18,240		100%	$ -	
Disassemble steel frame of building	384	$ 38	$ 14,592		100%	$ -	
Disassemble interior steel framing	240	$ 38	$ 9,120		100%	$ -	
Disconnect service piping and electrical cabling	240	$ 38	$ 9,120		100%	$ -	
Remove scrap to landfill	192	$ 30	$ 5,760		100%	$ -	
Prepare salvaged steel for shipment	72	$ 30	$ 2,160		100%	$ -	
Freight to ship building	lot		$ 20,000		100%	$ -	
Crane support	192	$ 100	$ 19,200		100%	$ -	
General cleanup of site	24	$ 30	$ 720		100%	$ -	
Haul and place soil cover over slab (m^3)	1875	$ 2.25	$ 4,219		100%	$ -	
Revegetation - 75m x 25m	1875	$ 0.50	$ 938		0%	$ 938	
Subtotal				$ 121,348			$ 938

Table 7
Site Facilities Removal and Reclamation
Note: This table corresponds to Table 7-7 in "Volume IV".

Area and Task Description	Estimated Hours	Unit Rate	Estimated Cost		Percent Complete	Subtotal Liability	Total Liability
Assay Lab Building - Engineered Steel Frame Building - 29.3 m long x 8.5 m wide							
Remove hazardous materials & clean lab interior	48	$ 30	$ 1,440		100%	$ -	
Remove salvageable materials, equipment & fittings	240	$ 30	$ 7,200		100%	$ -	
Remove and dispose of steel roof & wall panelling & insulation	144	$ 38	$ 5,472		100%	$ -	
Disassemble steel frame of building	144	$ 38	$ 5,472		100%	$ -	
Disconnect service piping and electrical cabling	48	$ 38	$ 1,824		100%	$ -	
Remove scrap to landfill	96	$ 30	$ 2,880		100%	$ -	
Prepare salvaged steel for shipment	24	$ 38	$ 912		100%	$ -	
Freight to ship building	lot		$ 10,000		100%	$ -	
Crane support	48	$ 100	$ 4,800		100%	$ -	
General cleanup of site	24	$ 30	$ 720		100%	$ -	
Haul and place soil cover over slab (m^3)	300	$ 2.25	$ 675		100%	$ -	
Revegetation - 30m x 10m	300	$ 0.50	$ 150		0%	$ 150	
Subtotal				$ 41,545			$ 150
Heap Leach Valve Houses - 7 Modular Steel Frame Buildings each 3.4 m x 3.7 m							
Remove salvageable materials, equipment & fittings	96	$ 30	$ 2,880		100%	$ -	
Remove and dispose of steel roof & wall panelling & insulation	120	$ 30	$ 3,600		100%	$ -	
Disassemble steel frame of building	120	$ 38	$ 4,560		100%	$ -	
Disconnect service piping and electrical cabling	96	$ 38	$ 3,648		100%	$ -	
Remove scrap to landfill	96	$ 30	$ 2,880		100%	$ -	
Crane support	48	$ 100	$ 4,800		100%	$ -	
General cleanup of site	24	$ 30	$ 720		100%	$ -	
Subtotal				$ 23,088			$ -
Lime Silo - Bolted Steel Tank - 36 m high x 10 m diameter							
Remove salvageable materials, equipment & fittings	96	$ 30	$ 2,880		100%	$ -	
Disassemble bolted steel silo	192	$ 38	$ 7,296		100%	$ -	
Disconnect and remove service piping and electrical cabling	48	$ 38	$ 1,824		100%	$ -	
Remove scrap to landfill	24	$ 30	$ 720		100%	$ -	
Crane support	48	$ 100	$ 4,800		100%	$ -	
General cleanup of site	12	$ 30	$ 360		100%	$ -	
Haul and place soil cover over slab (m^3)	200	$ 2.25	$ 450		100%	$ -	
Revegetation (m^2)	200	$ 0.50	$ 100		0%	$ 100	
Subtotal				$ 18,430			$ 100
ADR Plant Fresh Water Tank - Steel Welded Tank - 637 m3 Capacity							
Drain tank and disconnect piping	24	$ 38	$ 912		100%	$ -	
Disassemble steel tank	192	$ 38	$ 7,296		100%	$ -	
Haul scrap steel to land fill	24	$ 30	$ 720		100%	$ -	
Haul and place soil cover over slab (m3)	50	$ 2.25	$ 113		100%	$ -	
Revegetation (m2)	50	$ 0.50	$ 25		0%	$ 25	
Subtotal				$ 9,066			$ 25

Table 7
Site Facilities Removal and Reclamation
Note: This table corresponds to Table 7-7 in "Volume IV".

Area and Task Description	Estimated Hours	Unit Rate	Estimated Cost		Percent Complete	Subtotal Liability	Total Liability
Laura Creek Pumphouse - Steel Frame Building							
Remove salvageable materials, equipment & fittings	96	$ 30	$ 2,880		100%	$ -	
Remove and dispose of steel roof & wall panelling & insulation	96	$ 38	$ 3,648		100%	$ -	
Disassemble steel frame of building	48	$ 38	$ 1,824		100%	$ -	
Disconnect and remove service piping and electrical cabling	48	$ 38	$ 1,824		100%	$ -	
Remove scrap to landfill	48	$ 30	$ 1,440		100%	$ -	
Crane support	24	$ 100	$ 2,400		100%	$ -	
General cleanup of site	24	$ 30	$ 720		100%	$ -	
Haul and place soil cover over slab (m3)	50	$ 2.25	$ 113		100%	$ -	
Revegetation (m2)	50	$ 0.50	$ 25		0%	$ 25	
Subtotal				$ 14,874			$ 25
Electrical Distribution System							
Remove above ground electrical distribution cabling	240	$ 38	$ 9,120		100%	$ -	
Remove electrical transformers and switch gear	240	$ 38	$ 9,120		100%	$ -	
Subtotal				$ 18,240			$ -
Surface Piping							
Flush surface piping	96	$ 30	$ 2,880		100%	$ -	
Disassemble and remove surface piping	480	$ 30	$ 14,400		100%	$ -	
Dozer/FEL support	60	$ 150	$ 9,000		100%	$ -	
Subtotal				$ 26,280			$ -
Removal of Site Fencing Around Heap Leach Facilities							
Removal and disposal of fencing	336	$ 30	$ 10,080		100%	$ -	
Subtotal				$ 10,080			$ -
Removal of Land Application Piping System							
Removal and disposal of land application piping	160	$ 30	$ 4,800		0%	$ 4,800	
Subtotal				$ 4,800			$ 4,800
General Site Regrading/ Growth Media Placement/Runoff and Erosion Control							
Regrading of general site with grader	52	$ 123	$ 6,396		0%	$ 6,396	
Survey of underground cable terminations	1	$ 1,000	$ 1,000		0%	$ 1,000	
Haul and place soil cover over surface (0.15 meter)	7800	$ 2.25	$ 17,550		0%	$ 17,550	
Revegetation (hectares)	5.18	$ 1,000	$ 5,180		0%	$ 5,180	
Removal of culverts and resloping of culvert crossings	lot	$ 2,500	$ 17,500		0%	$ 17,500	
Runoff ditch maintenance and rock armouring	lot	$ 50	$ 12,500		0%	$ 12,500	
Removal of wash bay sediment control pond	lot	$ 500	$ 500		0%	$ 500	
Subtotal				$ 60,626			$ 60,626

Table 7
Site Facilities Removal and Reclamation
Note: This table corresponds to Table 7-7 in "Volume IV".

Area and Task Description	Estimated Hours	Unit Rate	Estimated Cost		Percent Complete	Subtotal Liability	Total Liability
Fuel and Reagent Storage Facilities							
Bulk Diesel Fuel Storage Tanks at Maintenance Shop Facility							
Drain and remove remaining fuel inventory to ADR facility	lot	$ 750	$ 750		100%	$ -	
Disassemble storage tanks	192	$ 38	$ 7,296		100%	$ -	
Remove fueling equipment and steel platforms	96	$ 38	$ 3,648		100%	$ -	
Crane support	72	$ 100	$ 7,200		100%	$ -	
Clean out concrete containment berm	24	$ 30	$ 720		100%	$ -	
Dispose of oil residue	lot	$ 1,000	$ 1,000		100%	$ -	
Remove concrete containment berm to landfill	12	$ 110	$ 1,320		100%	$ -	
Haul and place soil over foundation (m^3)	50	$ 2.25	$ 113		100%	$ -	
Revegetation (m^2)	50	$ 0.50	$ 25		100%	$ -	
Subtotal				$ 22,072			$ -
Bulk Diesel Fuel Storage Tanks at ADR Plant Facility							
Drain and remove remaining fuel inventory	lot	$ 1,000	$ 1,000		100%	$ -	
Disassemble storage tanks	192	$ 38	$ 7,296		100%	$ -	
Remove fueling equipment and steel platforms	48	$ 38	$ 1,824		100%	$ -	
Crane support	72	$ 100	$ 7,200		100%	$ -	
Clean out concrete containment berm	24	$ 30	$ 720		100%	$ -	
Dispose of oil residue	lot	$ 1,000	$ 1,000		100%	$ -	
Remove concrete containment berm to landfill	12	$ 110	$ 1,320		100%	$ -	
Haul and place soil over foundation (m^3)	50	$ 2.25	$ 113		100%	$ -	
Revegetation (m^2)	50	$ 0.30	$ 15		0%	$ 15	
Subtotal				$ 20,488			$ 15
Shipment of Remaining Inventory of Other Hydrocarbon Products	lot	$ 3,500	$ 7,000		0%	$ 7,000	
Subtotal				$ 7,000			$ 7,000
Shipment of Remaining Inventory of Reagents, Chemicals and Wastes	lot	$ 3,500	$ 10,500		0%	$ 10,500	
Subtotal				$ 10,500			$ 10,500
Land Farming of Hydrocarbon Contaminated Soils							
Grader to turn over soils	52	$ 85	$ 4,420		0%	$ 4,420	
Analysis	lot	$ 100	$ 2,600		0%	$ 2,600	
Ammonium Nitrate or other fertilizer	lot	$ 50	$ 100		0%	$ 100	
Subtotal				$ 7,120			$ 7,120
Close Out of Site Sewage Septic Systems - 3 Systems							
Pump out sludge holding tanks and transport to sludge trench	lot	$ 250	$ 750		0%	$ 750	
Excavate and remove three septic tanks to landfill	lot	$ 500	$ 1,500		0%	$ 1,500	
Bury sewage sludge trench	lot	$ 1,000	$ 1,000		0%	$ 1,000	
Subtotal				$ 3,250			$ 3,250

Table 7
Site Facilities Removal and Reclamation
Note: This table corresponds to Table 7-7 in "Volume IV".

Area and Task Description	Estimated Hours	Unit Rate	Estimated Cost		Percent Complete	Subtotal Liability	Total Liability
Cleanup Site Boneyard							
Decontaminate scrapped equipment in boneyard	lot	$ 500	$ 500		0%	$ 500	
Remove non-salvageable scrap to landfill	lot	$ 2,500	$ 2,500		0%	$ 2,500	
Subtotal				$ 3,000			$ 3,000
Close Out Site Landfill Area							
Clean up landfill with dozer	10	$ 327	$ 3,270		0%	$ 3,270	
Load silt into trucks with FEL	4	$ 293	$ 1,172		0%	$ 1,172	
Haul in silt for cover	8	$ 345	$ 2,760		0%	$ 2,760	
Spread silt with dozer	4	$ 327	$ 1,308		0%	$ 1,308	
Compact silt	4	$ 77	$ 308		0%	$ 308	
Growth Media Placement (FEL @4 hrs., Haul Trucks @ 8 hrs., Dozer @ 4 hrs.)	lot		$ 3,108		0%	$ 3,108	
Revegetate cover	1000	$ 0.50	$ 500			$ 500	
Subtotal				$ 12,426			$ 12,426
Close Out Pond Areas							
Mobilization of D9	lot	$ 2,000	$ 2,000		0%	$ 2,000	
Cut and fold over liners	lot	$ 5,000	$ 5,000		0%	$ 5,000	
Cut outflow from lowest pond	20	$ 283	$ 5,651		0%	$ 5,651	
Regrade with dozer	50	$ 283	$ 14,127		0%	$ 14,127	
Revegetate area (m2)	lot	$ 5,000.00	$ 5,000			$ 5,000	
Subtotal				$ 31,777			$ 31,777
Contaminated Soil Survey							
Field and lab testing	lot	$ 15,000	$ 15,000		0%	$ 15,000	
Subtotal				$ 15,000			$ 15,000
Total Estimated Cost of Reclaiming Ancillary and Support Facilities				**$ 624,706**			**$ 219,515**

Table 8
Heap Leach Pad Reclamation

Area and Task Description	Unit of Reclamation Measure	Estimated # of Units	Production Rate	Estimated Hours	Unit Cost	Estimated Task Cost		Percentage Complete Sept. 2003	Estimated Remaining Cost	Estimated Remaining Subtotals
Leach Pad Resloping and Drainage Ditches										
Dozer cut to fill slopes	m^3	20,000	307	65	$ 359	$ 23,305		100%	$ -	
General recontour prior to cap placement	lot			50	$ 359	$ 17,927		100%	$ -	
Dozer work to construct drainage ditches	lot				$ 359	$ -				
Backhoe work to construct ditches	lot			20	$ 317	$ 6,336		0%	$ 6,336	
Place riprap/gravel in channels/ditches	m^3									
Load material	m^3		200	0	$ 322	$ -				
Haul material	m^3		100	0	$ 292	$ -				
Spread material	m^3		200	0	$ 317	$ -				
Breach leach pad dike material	m3	3,250	50	65	$ 194	$ 12,610		0%	$ 12,610	
Place riprap/gravel in dike breach	m3	500			$ 5	$ 2,500		0%	$ 2,500	
Subtotal							$ 62,679			$ 21,446
Leach Pad Soil Cover Construction										
Total area requiring seds/silt cap	m^2	-								
Load seds/silt with front end loader	m^3		389	0	$ 322	$ -				
Haul seds/silt with haultrucks	m^3	-	195	0	$ 292	$ -				
Spread seds/silt with dozer	m^3		389	0	$ 359	$ -				
Compact seds/silt with roller	m^2				$ 83	$ -				
Subtotal							$ -			$ -
Leach Pad Revegetation										
Total area to be reseeded (sloped surface area)	m^2	323,000								
Load growth media with FEL (100% of area, 0.25 m)	m^3	80,750	389	208	$ 322	$ 67,006		100%	$ -	
Haul growth media	m^3	80,750	130	621	$ 292	$ 181,295		100%	$ -	
Spread growth media	m^3	80,750	389	208	$ 359	$ 74,577		100%	$ -	
Broadcast seed and fertilizer	hectares	32.3			$ 750	$ 24,225		100%	$ -	
Subtotal							$ 347,103			$ -
Previously Projected Cells 8 -10 (Northeast of Leach Pad)										
Dozer work to recontour surface area	m^2	30,000	600	50	$ 359	$ 17,927		100%	$ -	
Total area to be reseeded	m^2	172,800								
Load growth media with front end loader	m^3	-	389	0	$ 322	$ -		0%	$ -	
Haul growth media with haultrucks	m^3	-	130	0	$ 292	$ -		0%	$ -	
Spread growth media with dozer	m^3	25,800	200	129	$ 283	$ 36,447		100%	$ -	
Broadcast seed and fertilizer	hectares	17.3			$ 400	$ 6,912		0%	$ 6,912	
Subtotal							$ 92,982			$ 6,912
2005 Reclamation Repairs										
2005 Erosion Repairs (10%)	m^2	49,580								
Erosion repairs with dozer	m^3	24,790	300	83	$ 322	$ 26,738		0%	$ 26,738	
2005 Re-Seeding (25%)	m^2	123,950								
Broadcast seed and fertilizer	hectare	12.40			$ 400	$ 4,958		0%	$ 4,958	
							$ 31,696			$ 31,696
Total Leach Pad Earthworks							**$ 534,461**			**$ 60,054**

Note: This table corresponds to Table 7-8 in "Volume IV".

Table 9
Manpower

	$/Annum	2003	2004	2005	2006
Staff					
Site Manager	$ 125,000		$ 31,250		
Administrative Manager	$ 75,000	$ -	$ -		
Process Manager/Engineer	$ 65,000		$ 16,250		
Accounts Payable	$ 35,000				
Environmental Manager	$ 75,000				
Reclamation Supervision	$ 50,000				
Mine Technician	$ 40,000				
Lab Technician	$ 40,000		$ -		
Surface Operator	$ 45,000		$ -		
Process Operators	$ 50,000				
Mechanic	$ 50,000				
Electrician	$ 55,000				
Equipment Operator	$ 45,000		$ -		
Laborer	$ 35,000		$ -		
Salary Load	35%	$ -	$ 16,625	$ -	$ -
Total Manpower		$ -	$ 64,125	$ -	$ -

Note: This table corresponds to Table 7-10 in "Volume IV".

Table 10
General Services & Administration

Category	Area Total	Aug-04 29	Sep-04 30	Oct-04 31	Nov-04 32	Dec-04 33
General Services & Administration						
Miscellaneous Operating Supplies	$ -					
Insurance	$ 5,000			$ 5,000		
Freight	$ 3,000			$ 1,000	$ 1,000	$ 1,000
Propane	$ -					
Water Supply	$ -					
Access Road Maintenance	$ 4,246			$ 1,415	$ 1,415	$ 1,415
General Site Grounds	$ 6,357			$ 2,119	$ 2,119	$ 2,119
Waste Disposal	$ -					
Light Vehicle Costs	$ 2,689			$ 896	$ 896	$ 896
Travel & Lodging	$ 4,500			$ 1,500	$ 1,500	$ 1,500
Tele,Fax,Internet,Radio,Satellite	$ 4,500			$ 1,500	$ 1,500	$ 1,500
Office Equipment/Lease Rent	$ 3,000			$ 1,000	$ 1,000	$ 1,000
Building Maintenance	$ 1,500			$ 500	$ 500	$ 500
Safety Supplies	$ -					
Office Supplies	$ -					
Crew Rotations & Transportation	$ -					
Staff Housing	$ -					
Crew Mobilization	$ -					
Camp Operations	$ -					
CS - Technical Consultants	$ 4,500			$ 1,500	$ 1,500	$ 1,500
CS - Legal	$ 3,000			$ 1,000	$ 1,000	$ 1,000
Environmental Monitoring	$ -					
Geotechnical Inspections	$ -					
Electrical Power	$ 2,335			$ 2,335		
Total G & A	$ 44,626	$ -	$ -	$ 19,765	$ 12,431	$ 12,431
Annual totals	$ 44,626					

Note: This table corresponds to Table 7-11 in "Volume IV".

Table 11

General Services & Administration for Contingency Cases where Land Application or BTC is operating

Category	Area Total	Apr-02 1	Dec-04 33	Jan-05 34	Feb-05 35	Mar-05 36	Apr-05 37	May-05 38	Jun-05 39	Jul-05 40	Aug-05 41	Sep-05 42	Oct-05 43	Nov-05 44	Dec-05 45
General Services & Administration															
Miscellaneous Operating Supplies	$ -														
Insurance	$ -														
Freight	$ 5,000							$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000			
Propane	$ -														
Water Supply	$ 8,000							$ 1,600	$ 1,600	$ 1,600	$ 1,600	$ 1,600			
Access Road Maintenance	$ 9,093						$ 600	$ 1,415	$ 1,415	$ 1,415	$ 1,415	$ 1,415	$ 1,415		
General Site Grounds	$ -														
Waste Disposal	$ 800											$ 800			
Light Vehicle Costs	$ 8,250			$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	
Travel & Lodging	$ -														
Tele,Fax,Internet,Radio,Satellite	$ -														
Office Equipment/Lease Rent	$ -														
Building Maintenance	$ -														
Safety Supplies	$ 2,750						$ 250	$ 500	$ 500	$ 500	$ 500	$ 500			
Office Supplies	$ -														
Crew Rotations & Transportation	$ -														
Staff Housing	$ 10,000							$ 2,000	$ 2,000	$ 2,000	$ 2,000	$ 2,000			
Crew Mobilization	$ 2,500						$ 2,500								
Camp Operations	$ -														
CS - Technical Consultants	$ -														
CS - Legal	$ -														
Environmental Monitoring	$ -														
Geotechnical Inspections	$ -														
Electrical Power	$ 16,343	$ -					$ 2,335	$ 2,335	$ 2,335	$ 2,335	$ 2,335	$ 2,335	$ 2,335		
Labour															
Shipper/Receiver/Accountant	$ 35,438						$ 5,063	$ 5,063	$ 5,063	$ 5,063	$ 5,063	$ 5,063	$ 5,063		
Process Operator/Technician	$ 31,500						$ 4,500	$ 4,500	$ 4,500	$ 4,500	$ 4,500	$ 4,500	$ 4,500		
Contract Maintenance	$ 7,000						$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000	$ 1,000		
	$ 136,673														
Total G & A	$ 136,673	$ -	$ -	$ 750	$ 750	$ 750	$ 16,997	$ 20,163	$ 20,163	$ 20,163	$ 20,163	$ 20,963	$ 15,063	$ 750	$ -

Note: This table corresponds to Table 7-11B in "Volume IV".

Table 12

Post Closure Monitoring & Maintenance 142

Category	Area Total	Sep-04 30	Oct-04 31	Nov-04 32	Dec-04 33
Post Closure Monitoring & Maintenance					
Revegetation Inspections	$ 29,333	$ 458	$ 458	$ 458	$ 458
Reclamation Maintenance	$ 17,333	$ 333	$ 333	$ 333	$ 333
Annual Geotechnical Inspections	$ 18,667	$ 292	$ 292	$ 292	$ 292
Environmental Studies	$ 2,000	$ 125	$ 125	$ 125	$ 125
Long Term Nutrients BTC/IG	$ -				
Contract Services Labor	$ 61,875	$ 750	$ 750	$ 750	$ 750
Lab Analysis	$ 248,143	$ 3,037	$ 3,037	$ 3,037	$ 3,037
Support Equipment (Helicopter)	$ 27,442	$ 333	$ 333	$ 333	$ 333
Laura Creek AMP		$ 200	$ 200	$ 200	$ 200
Blue Dump		$ 200	$ 200	$ 200	$ 200
Total Monitoring & Maintenance	$ 562,773	$ 5,728	$ 5,728	$ 5,728	$ 5,728

Annual totals

Note: This table corresponds to Table 7-14 in "Volume IV".

Table 12

Post Closure Monitoring & Maintena

Category	Jan-05 34	Feb-05 35	Mar-05 36	Apr-05 37	May-05 38	Jun-05 39	Jul-05 40	Aug-05 41	Sep-05 42	Oct-05 43	Nov-05 44	Dec-05 45
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458
Reclamation Maintenance	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Annual Geotechnical Inspections	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292
Environmental Studies	$ 125	$ 125	$ 125	$ 125	$ 125	$ 125	$ 125	$ 125	$ 125	$ 125	$ 125	$ 125
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750
Lab Analysis	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037
Support Equipment (Helicopter)	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Laura Creek AMP	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Blue Dump	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Total Monitoring & Maintenance	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728	$ 5,728

Annual totals 68740

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-06 46	Feb-06 47	Mar-06 48	Apr-06 49	May-06 50	Jun-06 51	Jul-06 52	Aug-06 53	Sep-06 54	Oct-06 55	Nov-06 56	Dec-06 57
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458
Reclamation Maintenance	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Annual Geotechnical Inspections	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750
Lab Analysis	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037
Support Equipment (Helicopter)	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Laura Creek AMP	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Blue Dump	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Total Monitoring & Maintenance	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603

Annual totals 67240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-07 58	Feb-07 59	Mar-07 60	Apr-07 61	May-07 62	Jun-07 63	Jul-07 64	Aug-07 65	Sep-07 66	Oct-07 67	Nov-07 68	Dec-07 69
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458
Reclamation Maintenance	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Annual Geotechnical Inspections	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750
Lab Analysis	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037
Support Equipment (Helicopter)	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Laura Creek AMP	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Blue Dump	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Total Monitoring & Maintenance	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603

Annual totals 67240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-08 70	Feb-08 71	Mar-08 72	Apr-08 73	May-08 74	Jun-08 75	Jul-08 76	Aug-08 77	Sep-08 78	Oct-08 79	Nov-08 80	Dec-08 81
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458	$ 458
Reclamation Maintenance	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Annual Geotechnical Inspections	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292	$ 292
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750
Lab Analysis	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037	$ 3,037
Support Equipment (Helicopter)	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333	$ 333
Laura Creek AMP	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Blue Dump	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200	$ 200
Total Monitoring & Maintenance	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603	$ 5,603

Annual totals 67240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-09 82	Feb-09 83	Mar-09 84	Apr-09 85	May-09 86	Jun-09 87	Jul-09 88	Aug-09 89	Sep-09 90	Oct-09 91	Nov-09 92	Dec-09 93
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 24240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-10 94	Feb-10 95	Mar-10 96	Apr-10 97	May-10 98	Jun-10 99	Jul-10 100	Aug-10 101	Sep-10 102	Oct-10 103	Nov-10 104	Dec-10 105
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 24240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-11 106	Feb-11 107	Mar-11 108	Apr-11 109	May-11 110	Jun-11 111	Jul-11 112	Aug-11 113	Sep-11 114	Oct-11 115	Nov-11 116	Dec-11 117
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,500	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,500	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 11,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 33240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-12 118	Feb-12 119	Mar-12 120	Apr-12 121	May-12 122	Jun-12 123	Jul-12 124	Aug-12 125	Sep-12 126	Oct-12 127	Nov-12 128	Dec-12 129
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 24240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-13 130	Feb-13 131	Mar-13 132	Apr-13 133	May-13 134	Jun-13 135	Jul-13 136	Aug-13 137	Sep-13 138	Oct-13 139	Nov-13 140	Dec-13 141
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 24240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-14 142	Jan-14 143	Mar-14 144	Apr-14 145	May-14 146	Jun-14 147	Jul-14 148	Aug-14 149	Sep-14 150	Oct-14 151	Nov-14 152	Dec-14 153
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,500	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,500	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 11,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 33240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-15 154	Feb-15 155	Mar-15 156	Apr-15 157	May-15 158	Jun-15 159	Jul-15 160	Aug-15 161	Sep-15 162	Oct-15 163	Nov-15 164	Dec-15 165
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 24240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-16 166	Feb-16 167	Mar-16 168	Apr-16 169	May-16 170	Jun-16 171	Jul-16 172	Aug-16 173	Sep-16 174	Oct-16 175	Nov-16 176	Dec-16 177
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 24240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

Category	Jan-17 178	Feb-17 179	Mar-17 180	Apr-17 181	May-17 182	Jun-17 183	Jul-17 184	Aug-17 185	Sep-17 186	Oct-17 187	Nov-17 188	Dec-17 189
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 24240

Note: This table corresponds to Table 7-14 in "Vol

Table 12

Post Closure Monitoring & Maintena

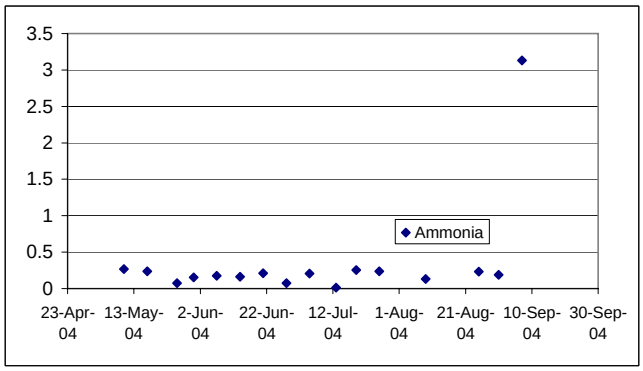
Category	Jan-18 190	Feb-18 191	Mar-18 192	Apr-18 193	May-18 194	Jun-18 195	Jul-18 196	Aug-18 197	Sep-18 198	Oct-18 199	Nov-18 200	Dec-18 201
Post Closure Monitoring & Maintenance												
Revegetation Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,500	$ -	$ -	$ -	$ -
Reclamation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Geotechnical Inspections	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,500	$ -	$ -	$ -	$ -
Environmental Studies	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Nutrients BTC/IG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contract Services Labor	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375	$ 375
Lab Analysis	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479	$ 1,479
Support Equipment (Helicopter)	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166	$ 166
Laura Creek AMP												
Blue Dump												
Total Monitoring & Maintenance	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020	$ 11,020	$ 2,020	$ 2,020	$ 2,020	$ 2,020

Annual totals 33240

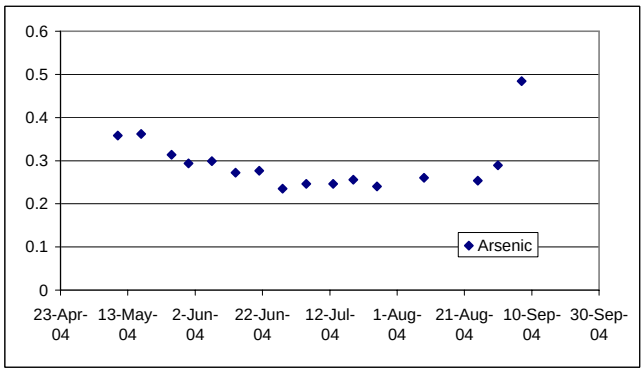
Note: This table corresponds to Table 7-14 in "Vol

Attachment 2
BC-28 Water Quality Data from 2004

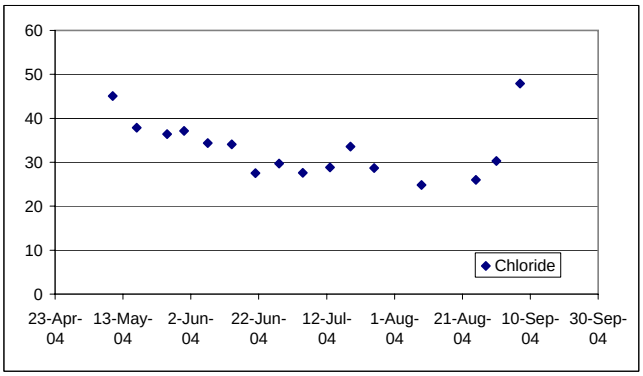
Ammonia Criteria Land App - 15 mg/L Direct Discharge - 5 mg/L



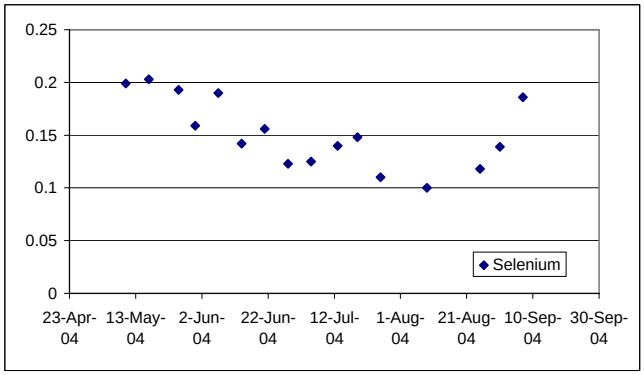
Arsenic Criteria Land App - 0.5 mg/L Direct Discharge - 0.5 mg/L



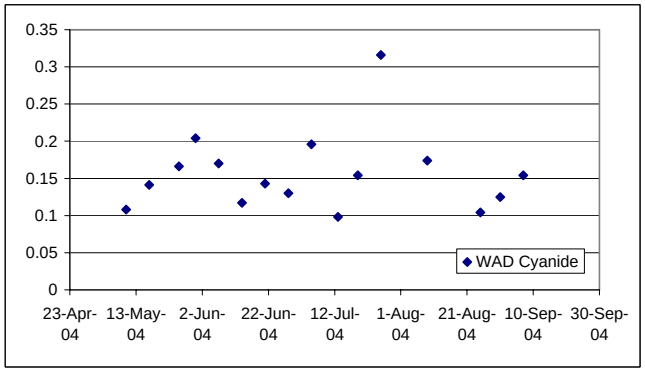
Chloride



Selenium Criteria Land App - 0.75 mg/L Direct Discharge - 0.25 mg/L



WAD Cyanide Criteria Land App - 0.25 mg/L Direct Discharge - 0.25 mg/L



Nickel Criteria Land App - 0.8 mg/L Direct Discharge - 0.5 mg/L