

April 20, 2020

Joseph Mackenzie
Chair
Wek'èezhii Land and Water Board
#1, 4905-48th Street
Yellowknife, NT
X1A 3S3

Re: ICRP Version 3.0 Security Reasons for Decision:

W2013D0007 - Jay Development Land Use Permit Amendment Application, Phasing of Security and Incorporation of Land Related Security

W2017D0004 - Misery Underground Project Land Use Permit Amendment Application to Incorporate Land Related Security

W2012L2-0001 – Recommended Schedule 2 Update

Updated RECLAIM Estimate

Dominion Diamond Mines ULC (Dominion) submits the attached information in response to the direction and applicable Wek'èezhii Land and Water Board (WLWB) Decisions within the Reasons for Decision document on the Interim Closure and Reclamation Plan Version 3.0 (ICRP Version 3.0). These applications are prepared in accordance with *the Mackenzie Valley Land Use Regulations* (MVLUR) and are submitted as an administrative requirement so as to fulfill the WLWB's decisions and directives and to complete the amendment process for a land and water split of security within the above noted documents¹.

Background

On January 22, 2018, Dominion submitted the 2017 Closure and Reclamation Progress Report² (2017 Progress Report). In the 2017 Progress Report there was a section (7.4) devoted to a proposed split for the land and water reclamation liabilities for the Jay Project and a Section (7.5) that provided a proposed security posting schedule for the Jay Project. Also included was a formal request to have these amendments incorporated into Schedule 2 of Water Licence (WL) W2012L2-0001. The 2017 Progress Report was distributed for a public review period (March 6, 2018 to April 17, 2018).

¹ See ICRP Version 3.0 Reasons for Decision, Security Issue #6: Land/Water Split, page 88 at [W2012L2-0001-Ekati-ICRP Version 3.0-Decision Letter and Reasons for Decision-Feb 19 20.pdf](#)

² Available on the WLWB online registry at [W2012L2-0001-Ekati-CRP-2017 Annual Progress Report-Jan 22 18.pdf](#)

On September 27, 2018 the Board met on the 2017 Progress Report. It was determined that “The Board will consider the proposed changes to Schedule 2 and rounding, and the related comments and responses received through the public review of the 2017 CRP Progress Report (WLWB staff comment 2) with the ICRP Version 3.0.”

ICRP Version 3.0 was submitted to the WLWB on August 15, 2018³. Proposed land and water splits for the Misery Underground Development and Jay Project were included (Section 10.11). Dominion submitted a revised RECLAIM security estimate with ICRP Version 3.0 and described the changes (Section 10). ICRP Version 3.0 and the corresponding security estimate (in Section 10) underwent a public review period (October 5, 2018 – March 7, 2019) and a workshop was also held in January 2019 which included a discussion on security. Various review comments were received related to the security estimate and as part of the proponent response to comments on the ICRP Version 3.0, Dominion provided a revised security estimate⁴ which included the following updated security amounts for the Jay Project and the Misery Underground land and water related splits:

Jay Project

- Jay Early Works: \$659,280 (\$659,280 land + \$0 for water)
- Jay Phase 1 Dyke Construction \$7,022,695 (\$2,430,994 land + \$4,591,70 water)
- Jay Phase 2 Open Pit Mining: \$11,156,169 (\$8,000,466 land + \$3,155,704 water)

Misery Underground

- Project Total: \$1,825,482 total (\$1,397,982 land + \$427,500 water)

The WLWB Reasons for Decision on ICRP Version 3.0 was released on February 19, 2020 with the following relevant security decisions:

- *Decision N: The Board accepts the RECLAIM estimate submitted by Dominion with its response to comments on July 4, 2019, with an adjustment to reflect the Board’s recent security decision regarding progressive reclamation of the Misery WRSA.*
- *Decision S: The Board accepts Dominion’s proposal to require land-related security under the Land Use Permits and water-related security under the Water Licence.*
- *Decision U: The Board will adjust Schedule 2 of the Water Licence when the Permits are amended. To initiate the Land Use Permit amendment process, Dominion must submit Land Use Permit amendment applications that meet the expectations in the Land Use Permit Guide.*
- *Decision V: The Board approves Dominion’s proposal to phase the Jay Development security deposit payments as described in the 2017 Annual CRP Progress Report.*

³ Available on the WLWB online public registry at [:W2012L2-0001-Ekati-ICRP-Version 3.0 Part 1-Aug 15_18.pdf](#) and [W2012L2-0001-Ekati-ICRP-Version 3.00-Part 2-Aug 15_18.pdf](#)

⁴ See Review Summary and Attachments for ICRP Version 3.0 beginning at covering letter from Dominion dated July 4, 2019, at [W2012L2-0001-Ekati-ICRP Version 3.0-Review Summary and Attachments-Oct 17_19.pdf](#)

As a result of the above outlined security related WLWB Decisions on ICRP Version 3.0, Dominion is submitting the following items:

- Updated RECLAIM estimate that includes the recent security Decision regarding progressive reclamation of the Misery WRSA (*Decision N*, see Appendix D);
- Amendment applications for the Jay Development Land Use Permit (LUP) W2013D0007 and Misery Underground Development LUP W2017D0004 (*Decision S and U*, see Appendix A and B);
- Recommended updates to Schedule 2 for WL W2012L2-0001 (*Decision U*, see Appendix C); and
- Request for Discontinuance of LUP W2016F0007, Jay “Early Works” (see below).

Updated Reclaim Estimate

As per *Decision N* for ICRP Version 3.0, an updated RECLAIM estimate that incorporates the progressive reclamation of the Misery Waste Rock Storage Area (WRSA) was provided on March 30, 2020. A copy of this estimate can be found in Appendix D.

LUP W2013D0007 (Jay Development) Amendment Application

Dominion submits the attached LUP amendment application (see Appendix A) to amend Condition 37 within the existing LUP W2013D0007 to incorporate a phased approach to the Jay Project reclamation security posting(s). This is the only change being requested for LUP W2013D0007. Dominion suggests the following wording for an amended Condition 37:

- a) Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of \$659,280;*
- b) Prior to construction of Jay Dyke, the Permittee shall deposit with the Minister a security deposit in the amount of \$2,430,994; and*
- c) Prior to the beginning of Jay open pit mining, the Permittee shall deposit with the Minister a security deposit in the amount of \$8,000,466*

LUP W2016F0007 (Jay “Early Works”) Request for Discontinuance

As per section 37 of the MVLUR, Dominion requests that LUP W2016F0007 be discontinued. Section 37 states:

37 (1) Subject to subsection (2), where a permittee wishes to discontinue a land-use operation at any time prior to the date of completion set out in the permit, the permittee shall give a notice of discontinuance in writing to the Board and, where the land-use operation is being carried out on private lands, to the landowner, indicating the date on which it is proposed to discontinue the operation.

Dominion makes the request for Discontinuance of this land use operation as the Jay Project “early works” permit is no longer necessary; a single permit, W2013D0007⁵, is all that is required for the Jay Project moving forward. The activities as permitted within the scope of LUP W2016F0007 are included in the “main Jay” LUP W2013D0007⁶. As well, Dominion has now completed many of the activities found within the “early works” LUP W2016F0007. Therefore, Discontinuance of the permit makes sense at this time. Dominion requests the expiration date of LUP W2016F0007 be changed to May 15, 2020.

LUP W2017D0004 Misery Underground Development

Dominion submits the attached LUP amendment application (see Appendix B) to the WLWB to amend Condition 27 in LUP W2017D0004 to include a value for land related security. Development of the Misery Underground commenced with the issuance of the LUP in 2018. The inclusion of this condition will allow Dominion to comply with the LUP and post the necessary security. Dominion suggests the following wording for a revised Condition 27:

Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of \$1,397,982.

This is the only change being requested for LUP W2017D0004.

⁵ This is the Jay “main” LUP available at <https://wlwb.ca/registry/W2013D0007>.

⁶ “The Board supports the concept of a single Permit to authorize all activities for the Jay Development, and has therefore issued the Jay Land Use permit to authorize all land-based activities for the Jay Development; the Board has drafted this Permit to include those currently authorized under the Early Works Land Use Permit (see section 7.3.1).” For further information see WLWB Reasons for Decision on Jay Water Licence Amendment at [W2012L2-0001-Ekati-Water Licence-Amendment-Jay Development-RFD and Recommendation to Minister-May 29_17.pdf](#).

W2012L2-0001 Schedule 2

Since the release of the Reasons for Decision on ICRP Version 3.0, Dominion has been working in collaboration with WLWB staff (who have reached out to GNWT staff) to further refine the new structure for Schedule 2. A key element in these discussions is to create clarity for Reviewers such that they are able to easily cross reference the water amounts for current and future disturbances at Ekati as outlined in the WLWB approved RECLAIM estimate to those provided in Schedule 2. Dominion's recommended update to Schedule 2 is attached (see Appendix C).

It should be noted that both the RECLAIM estimate and Schedule 2 do not have a designated amount for the water component of the Misery Underground Development as this is a current disturbance and hence it is included in the total \$260,568,843 value. This is the only change being requested to WL W2012L2-0001.

Processing Time

The submissions included here are a direct result of WLWB decisions related to ICRP Version 3.0 which approve the security amounts to be posted and corresponding land and water splits. These amendments are administrative in nature and are required to proceed with the implementation of the WLWB decisions related to security. All of the information presented in the attached LUP amendment applications and Schedule 2 changes have undergone a formal public review process; no additional public review process is required. Also, a preliminary screening is not required as the amendments requested are not modifying the development activities which have previously undergone a preliminary screening or environmental assessment⁷.

The submitted LUP applications and changes to Schedule 2 represent a substantial net security refund which is critical for Dominion to receive as soon as is practically possible. Dominion is requesting that the Board proceed with the LUP amendments and update of Schedule 2 without delay.

Closing

Dominion trusts the information that is required has been included in this covering letter and the attached appendices. We look forward to working with you on the timely processing of these applications.

Please do not hesitate to contact the undersigned via email at lynn.boettger@ddcorp.ca or phone (867) 446-3831 or Lukas Novy at lukas.novy@ddcorp.ca phone (867) 446-8362 should you have any questions or concerns.

⁷ The Jay Project completed an environmental assessment process under Part 5 of the MVRMA (<http://reviewboard.ca/registry/ea1314-01>). The Misery Underground Development went through a screening process in 2017 ([W2012L2-0001-Ekati-WL Amendment-Misery UG-Preliminary Screening Determination-Nov 27 17.pdf](#)). Additionally, Dominion maintains any impact(s) of the requested amendment(s) is insignificant (see section 124 (1)(a) of the MVRMA).



Dominion Diamond Mines

Dominion Diamond Mines ULC

900-606 4 Street SW

(403) 910-1933

Calgary, Alberta T2P 1T1

(403) 910-1934 fax

www.ddmines.com

Sincerely,

Lynn Boettger
Superintendent – Permitting

Lukas Novy
Team Leader LOM Environment Planning

Attachments:

- Appendix A – LUP Amendment Application for W2013D0007, Jay Development
- Appendix B – LUP Amendment Application for W2017D0004, Misery Underground Development
- Appendix C – Proposed Schedule 2 for WL W2012L2-0001
- Appendix D – Updated RECLAIM
- Appendix E – Corporate Registries Information

cc. Jamie Steele, North Slave Regional Office – GNWT – Department of Lands

Marc Casas, Independent Environmental Monitoring Agency

Rick Walbourne, A/Director Water Management and Monitoring Division, Government of the Northwest Territories Department of Environment and Natural Resources

Lorraine Seale, Director, Securities and Project Assessment, Government of the Northwest Territories Department of Lands

Adrian Paradis, Senior Project Manager, Canadian Northern Economic Development Agency

Record #: HSE RCD ENV 1387

Document Owner: Environment Department

Date: 20-04-2020

Template # EKA TEM 1852.13

Mackenzie Valley Land and Water Board



LAND USE PERMIT APPLICATION FORM

Subsection 19(2) and Schedule 2 of the [Mackenzie Valley Land Use Regulations](#)

Use an "x" to indicate which Board the Application is being made to:	Mackenzie Valley Land and Water Board:		Sahtu Land and Water Board:	
	Wek'èezhì Land and Water Board:	X	Gwich'in Land and Water Board:	

To complete this Form, please refer to the MVLWB [Guide to the Land Use Permitting Process \(Guide\)](#) and fill in the grey fields; attach additional pages if necessary. Please review the following guidance for formatting your Application Package:

- [Document Submission Standards](#)
- [Standard Outline for Management Plans](#)

If applicable, reference the existing or current Land Use Permit file number:	W2013D0007		
Use an "x" to indicate if this Application is accompanied by an Application for a Water Licence:	Water Licence – in a non-federal area:		
	Water Licence – in a federal area:		

1. NAME AND CONTACT INFORMATION – APPLICANT

Applicant's Name:	Claudine Lee		
Position:	Head of Health, Safety, Environment, Communities (HSEC) and Training		
Mailing Address:	900 – 606 4 Street SW		
Community:	Calgary	Telephone:	(867) 446.3719
Prov/Terr:	Alberta	Email:	Claudine.Lee@ddcorp.ca
Postal Code:	T2P 1T1	Other:	-

2. NAME AND CONTACT INFORMATION – APPLICANT'S HEAD OFFICE

Please include a Certificate of Corporate Registration from the Government of the Northwest Territories in your Application Package.

Please see Appendix E for Corporate Registration Information

Name:	Dominion Diamond Mines ULC		
Mailing Address:	900 – 606 4 Street SW		
Community:	Calgary		
Prov/Terr:	Alberta	Telephone:	(403) 910-1933
Postal Code:	T2P 1T1	Email:	-
Field Supervisor:	Not Applicable	Other:	-

3. NAME AND CONTACT INFORMATION – CONTRACTORS AND SUB-CONTRACTORS

Please include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and subcontractor.

Name:	This section is Not Applicable		
Company Name:			
Mailing Address:			
Community:		Telephone:	
Prov/Terr:		Email:	
Postal Code:		Other:	

4. LOCATION OF ACTIVITIES

Maps and Geographic Information System (GIS) Data: Attach a map to your Application Package indicating the locations of proposed activities, including waste deposits, watercourses, and water sources. Provide latitude and longitude geographic coordinates of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Attach GIS data to your Application Package, if applicable. Refer to the MVLWB [Guideline for Geographic Information Systems \(GIS\) Submission Standard](#) for providing geographic information.

Minimum latitude:	64° 33' 21" N	Maximum latitude:	64° 37' 40" N
Minimum longitude:	110° 13' 48" W	Maximum longitude:	110° 5' 3" W

NTS Map Sheet No.: Provide the map sheet number:

76D09

Land Types: Use an “x” to indicate the type(s) of the land on which the activities are proposed.

Free Hold/ Private:		Commissioner’s/ Territorial Lands:	X	Federal Land:		Municipal Land:	
------------------------	--	---------------------------------------	---	---------------	--	-----------------	--

5. ELIGIBILITY

Please refer to section 18 of the [Mackenzie Valley Land Use Regulations](#). Use an “x” to indicate which one applies.

18(a)(i):	X	18(a)(ii):		18(a)(iii):		18(b):	
-----------	---	------------	--	-------------	--	--------	--

6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY

Please contact federal, territorial, and Aboriginal governments, and other parties to ensure all appropriate rights, authorizations, permissions, dispositions, and contracts have been obtained or are in the process of being obtained (e.g. mineral exploration rights, quarry permits, licences of occupation, leases, access agreements and authorizations, etc.). List and provide confirmation of other authorizations that relate to your activities; include these to your Application Package (e.g. rights, permits, licences, etc.).

Active Land Use Permit W2013D0007 for Jay Project Development issued to Dominion Diamond Mines ULC.

7. PERMIT TYPE AND CRITERIA

Please refer to sections 4 and 5 of the [Mackenzie Valley Land Use Regulations](#). Use an “x” to indicate which permitting criteria apply:

Type A		Type B		Type C	
4(a)(i):	4(b)(i):	5(a)(i):	5(b)(i):	(SLWB and WLWB only):	
4(a)(ii):	4(b)(ii):	5(a)(ii):	5(b)(ii):		
4(a)(iii):	4(b)(iii):	5(a)(iii):			
4(a)(iv):	4(b)(iv):	5(a)(iv):			
4(a)(v):		5(a)(v):			
		5(a)(vi):			

This is an amendment request related to the posting of security (Section 32 of the MVLUR). The above criteria are not applicable.

8. PROJECT DESCRIPTION

Please include your project description in your Application Package, or for small-scale projects, describe your proposed activities in the grey field provided below. Include the elements identified in subsection 19(3) of the [Mackenzie Valley Land Use Regulations](#), the name and type (e.g., lake, river) of water source(s), and the purpose and quantity of water to be used (rates, volumes (m³/day)). Indicate the total

Application to amend Condition 37 within the existing LUP W2013D0007 to incorporate a phased approach to the Jay Project reclamation security posting(s). This is the only change being requested for LUP W2013D0007. Dominion suggests the following wording for an amended Condition 37:

- a) *Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of \$659,280;*
- b) *Prior to construction of Jay Dyke, the Permittee shall deposit with the Minister a security deposit in the amount of \$2,430,994; and*
- c) *Prior to the beginning of Jay open pit mining, the Permittee shall deposit with the Minister a security deposit in the amount of \$8,000,466*

number of hectares to be used in each phase of the project, as well as through the life of the project.

9. CAMP

Please describe the proposed camp size and layout. Indicate the number of person-days; explain, with

Not Applicable

rationale, any variations in the number of people that may be on site over the life of the project.

10. ROADS AND ACCESSES

Please include detailed information about the construction, location, and decommissioning of any roads and accesses.

Use an "x" to indicate if this is to be a pioneered road or access.	Yes		Use an "x" to indicate if the route has been laid out or ground-truthed.	Yes	
	No	x		No	

Not applicable

11. WASTE MANAGEMENT METHODS

Please use the grey fields below to provide or reference the following information:

Waste Management Plan: Include your Waste Management Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed waste management activities in the grey fields provided below. A template for the Plan can be found in the MVLWB [Guidelines for Developing a Waste Management Plan](#).

Waste Type	Management Method(s)
Garbage:	
Sewage (Sanitary and greywater):	NOT APPLICABLE
Brush and trees:	
Overburden (Organic soils, waste material, etc.):	

Off-site Disposal: If waste is proposed to be disposed of off-site within the NWT, written confirmation (e.g., an email, letter, etc.) from the facility/facilities indicating they will accept the waste is required. Include it/these in your Application Package.

Not Applicable.

12. EQUIPMENT

Please identify the types of equipment proposed to be used.

Number	Type/Description	Size (weight in tonnes)	Proposed use

13. FUEL

Please identify all fuel types proposed to be used.

Type of Fuel	Number of containers	Capacity of containers (e.g., litres, pounds)	Type of container (barrel, tank, tidy-tank)	Proposed storage or staging location(s)
Diesel:				
Gasoline:				
Aviation Fuel:			NOT APPLICABLE	
Propane:				
Other: (describe)				

14. METHODS OF FUEL TRANSFER

Please describe the proposed methods to transfer fuel.

Not Applicable

15. SPILL CONTINGENCY PLAN

Please include your Spill Contingency Plan in the Application Package, if applicable, or for small-scale projects, provide relevant details in the grey field provided below. An example of a Plan can be found in the INAC [Guidelines for Spill Contingency Planning](#).

The Board-approved Spill Contingency Plan v. 12.0 is in place for the Ekati Diamond Mine. Version 13.0 is currently under review by the Board.

16. PROPOSED TIME SCHEDULE

Indicate the proposed project start and completion dates and the time of year the project activities are planned to occur. Describe any anticipated temporary closure(s) or seasonal shutdowns. Refer to subsections 26(5) and (6) of the [Mackenzie Valley Land Use Regulations](#); indicate the term requested.

Start Date:	ASAP	Completion Date:	-
Term of Permit Requested:	As per current term of W2013D0007		

17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

Please use the grey field below to provide or reference the following information:

Preliminary Screening: Describe all potential impacts and proposed mitigations. This information is used for the preliminary screening of potential impacts from the project and/or to develop conditions for the land use permit. Please indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Additional guidance is provided in [Appendix B of the MVLWB Guide to the Land Use Permitting Process](#), the [Mackenzie Valley Review Board Environmental Impact](#)

[Assessment Guidelines](#), and the [Mackenzie Valley Review Board Socio-Economic Impact Guidelines](#). Alternatively, if you are seeking an exemption from preliminary screening, provide supporting rationale.

Not Applicable

Wildlife Management and Monitoring Plan: Applicants are encouraged to contact the Wildlife Division of the Government of the Northwest Territories – Environment and Natural Resources, prior to applying, to determine whether a Wildlife Management and Monitoring Plan may be needed.

18. CLOSURE AND RECLAMATION

Please use the grey field below to provide or reference the following information:

Closure and Reclamation Plan: Describe your plans for closure and reclamation, including any temporary closure(s) and seasonal shutdowns. Include your Closure and Reclamation Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed activities in the grey field provided below. Please also refer to the MVLWB/AANDC [Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories](#).

Closure Cost Estimate: Prepare a [Closure Cost Estimate](#) and include it in your Application Package. Applicants are encouraged to contact the Board, prior to applying, to determine which closure-cost-estimate template is most suited to the activities being applied for. Guidance is provided in section 2.2 of the MVLWB/INAC/GNWT [Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If your Application is submitted concurrently with a Water Licence Application, please ensure water- and land-related activities and liabilities are provided.

The proposed amendment request to reclamation security is based on information contained within, and decisions as made by the WLWB, for The Ekati Mine Interim Closure and Reclamation Plan Version 3.0. See Reasons for Decision on this document for further information.

19. ADDITIONAL SUPPORTING INFORMATION

Please use the grey field below to provide or reference the following information:

Engagement: Conduct engagement, prepare an Engagement Record and Engagement Plan in accordance with the MVLWB [Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits](#), and include them in your Application Package. Templates are provided in the Guidelines. Please also refer to [Information for Proponents on MVLWB's Engagement Requirements](#).

Land Use Planning: Please contact the applicable Land Use Planning Board or Tłı̄chǫ Government to discuss conformity with the relevant land use plan(s). Attach your Land Use Plan Conformity Table that demonstrates how the project meets the requirements of the Land Use Plan, if applicable.

Traditional (Environmental) Knowledge (TEK/TK): Provision of TEK/TK is mandatory for applications to the Sahtu Land and Water Board. Other applicants are strongly encouraged to include TEK/TK.

Studies Undertaken to Date: Please list any relevant studies that support the proposed activities and include them in your Application Package.

Not Applicable.

Note the Board has approved Dominion’s proposal to phase the Jay Development security deposit payments as described in the 2017 Annual CRP Progress Report (Decision V, ICPR Version 3.0).

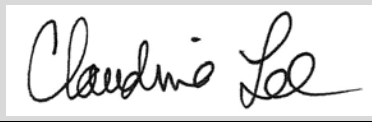
20. FEES

Please refer to section 20 of the [Mackenzie Valley Land Use Regulations](#).

Type of Fee	Amount (\$)
Application fee:	0
Land-use fees (for federal areas only):	0
Total Fees:	N/A

21. SIGNATURE

Claudine Lee Dominion Diamond Mines ULC	Head of Health, Safety, Environment, Communities (HSEC) and Training
Applicant’s Name (print) or Company Name	Position (print)

	April 20, 2020
Signature	Date

Please submit completed applications to the Regulatory Manager or Executive Director at the respective Land and Water Board (www.mvlwb.com, www.wlwb.ca, www.slwb.com, www.glwb.com).

Mackenzie Valley Land and Water Board



LAND USE PERMIT APPLICATION FORM

Subsection 19(2) and Schedule 2 of the [Mackenzie Valley Land Use Regulations](#)

Use an "x" to indicate which Board the Application is being made to:	Mackenzie Valley Land and Water Board:		Sahtu Land and Water Board:	
	Wek'èezhì Land and Water Board:	X	Gwich'in Land and Water Board:	

To complete this Form, please refer to the MVLWB [Guide to the Land Use Permitting Process \(Guide\)](#) and fill in the grey fields; attach additional pages if necessary. Please review the following guidance for formatting your Application Package:

- [Document Submission Standards](#)
- [Standard Outline for Management Plans](#)

If applicable, reference the existing or current Land Use Permit file number:	W2017D0004		
Use an "x" to indicate if this Application is accompanied by an Application for a Water Licence:	Water Licence – in a non-federal area:		
	Water Licence – in a federal area:		

1. NAME AND CONTACT INFORMATION – APPLICANT

Applicant's Name:	Claudine Lee		
Position:	Head of Health, Safety, Environment, Communities (HSEC) and Training		
Mailing Address:	900 – 606 4 Street SW		
Community:	Calgary	Telephone:	(867) 446.3719
Prov/Terr:	Alberta	Email:	Claudine.Lee@ddcorp.ca
Postal Code:	T2P 1T1	Other:	-

2. NAME AND CONTACT INFORMATION – APPLICANT'S HEAD OFFICE

Please include a Certificate of Corporate Registration from the Government of the Northwest Territories in your Application Package.

Please see Appendix E for Corporate Registration Information

Name:	Dominion Diamond Mines ULC		
Mailing Address:	900 – 606 4 Street SW		
Community:	Calgary		
Prov/Terr:	Alberta	Telephone:	(403) 910-1933
Postal Code:	T2P 1T1	Email:	-
Field Supervisor:	Not Applicable	Other:	-

3. NAME AND CONTACT INFORMATION – CONTRACTORS AND SUB-CONTRACTORS

Please include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and subcontractor.

Name:	This section is Not Applicable		
Company Name:			
Mailing Address:			
Community:		Telephone:	
Prov/Terr:		Email:	
Postal Code:		Other:	

4. LOCATION OF ACTIVITIES

Maps and Geographic Information System (GIS) Data: Attach a map to your Application Package indicating the locations of proposed activities, including waste deposits, watercourses, and water sources. Provide latitude and longitude geographic coordinates of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Attach GIS data to your Application Package, if applicable. Refer to the MVLWB [Guideline for Geographic Information Systems \(GIS\) Submission Standard](#) for providing geographic information.

Minimum latitude:	64° 33' 19.2" N	Maximum latitude:	64° 34' 56.0" N
Minimum longitude:	110° 13' 29.1"W	Maximum longitude:	110° 9' 20.0" W

NTS Map Sheet No.: Provide the map sheet number:

76D09

Land Types: Use an "x" to indicate the type(s) of the land on which the activities are proposed.

Free Hold/ Private:		Commissioner's/ Territorial Lands:	X	Federal Land:		Municipal Land:	
------------------------	--	---------------------------------------	---	---------------	--	-----------------	--

5. ELIGIBILITY

Please refer to section 18 of the [Mackenzie Valley Land Use Regulations](#). Use an "x" to indicate which one applies.

18(a)(i):	X	18(a)(ii):		18(a)(iii):		18(b):	
-----------	---	------------	--	-------------	--	--------	--

6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY

Please contact federal, territorial, and Aboriginal governments, and other parties to ensure all appropriate rights, authorizations, permissions, dispositions, and contracts have been obtained or are in the process of being obtained (e.g. mineral exploration rights, quarry permits, licences of occupation, leases, access agreements and authorizations, etc.). List and provide confirmation of other authorizations that relate to your activities; include these to your Application Package (e.g. rights, permits, licences, etc.).

Active Land Use Permit W2017D0004 for Misery Underground Development issued to Dominion Diamond Mines ULC.

7. PERMIT TYPE AND CRITERIA

Please refer to sections 4 and 5 of the [Mackenzie Valley Land Use Regulations](#). Use an “x” to indicate which permitting criteria apply:

Type A		Type B		Type C	
4(a)(i):	4(b)(i):	5(a)(i):	5(b)(i):	(SLWB and WLWB only):	
4(a)(ii):	4(b)(ii):	5(a)(ii):	5(b)(ii):		
4(a)(iii):	4(b)(iii):	5(a)(iii):			
4(a)(iv):	4(b)(iv):	5(a)(iv):			
4(a)(v):		5(a)(v):			
		5(a)(vi):			

This is an amendment request related to the posting of security (Section 32 of the MVLUR). The above criteria are not applicable.

8. PROJECT DESCRIPTION

Please include your project description in your Application Package, or for small-scale projects, describe your proposed activities in the grey field provided below. Include the elements identified in subsection 19(3) of the [Mackenzie Valley Land Use Regulations](#), the name and type (e.g., lake, river) of water source(s), and the purpose and quantity of water to be used (rates, volumes (m³/day)). Indicate the total

Dominion submits the attached LUP amendment application (see Appendix B) to the WLWB to amend Condition 27 in LUP W2017D0004 to include a value for land related security. Development of the Misery Underground commenced with the issuance of the LUP in 2018. The inclusion of this condition will allow Dominion to comply with the LUP and post the necessary security. Dominion suggests the following wording for a revised Condition 27:

Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of \$1,397,982.

This is the only change being requested for LUP W2017D0004.

number of hectares to be used in each phase of the project, as well as through the life of the project.

9. CAMP

Please describe the proposed camp size and layout. Indicate the number of person-days; explain, with

Not Applicable

rationale, any variations in the number of people that may be on site over the life of the project.

10. ROADS AND ACCESSES

Please include detailed information about the construction, location, and decommissioning of any roads and accesses.

Use an "x" to indicate if this is to be a pioneered road or access.	Yes		Use an "x" to indicate if the route has been laid out or ground-truthed.	Yes	
	No			No	

Not applicable

11. WASTE MANAGEMENT METHODS

Please use the grey fields below to provide or reference the following information:

Waste Management Plan: Include your Waste Management Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed waste management activities in the grey fields provided below. A template for the Plan can be found in the MVLWB [Guidelines for Developing a Waste Management Plan](#).

Waste Type	Management Method(s)
Garbage:	
Sewage (Sanitary and greywater):	NOT APPLICABLE
Brush and trees:	
Overburden (Organic soils, waste material, etc.):	

Off-site Disposal: If waste is proposed to be disposed of off-site within the NWT, written confirmation (e.g., an email, letter, etc.) from the facility/facilities indicating they will accept the waste is required. Include it/these in your Application Package.

Not Applicable.

12. EQUIPMENT

Please identify the types of equipment proposed to be used.

Number	Type/Description	Size (weight in tonnes)	Proposed use

13. FUEL

Please identify all fuel types proposed to be used.

Type of Fuel	Number of containers	Capacity of containers (e.g., litres, pounds)	Type of container (barrel, tank, tidy-tank)	Proposed storage or staging location(s)
Diesel:				
Gasoline:				
Aviation Fuel:			NOT APPLICABLE	
Propane:				
Other: (describe)				

14. METHODS OF FUEL TRANSFER

Please describe the proposed methods to transfer fuel.

Not Applicable

15. SPILL CONTINGENCY PLAN

Please include your Spill Contingency Plan in the Application Package, if applicable, or for small-scale projects, provide relevant details in the grey field provided below. An example of a Plan can be found in the INAC [Guidelines for Spill Contingency Planning](#).

The Board-approved Spill Contingency Plan v. 12.0 is in place for the Ekati Diamond Mine. Version 13.0 is currently under review by the Board.

16. PROPOSED TIME SCHEDULE

Indicate the proposed project start and completion dates and the time of year the project activities are planned to occur. Describe any anticipated temporary closure(s) or seasonal shutdowns. Refer to subsections 26(5) and (6) of the [Mackenzie Valley Land Use Regulations](#); indicate the term requested.

Start Date:	ASAP	Completion Date:	-
Term of Permit Requested:	As per current terms of W2017D0004		

17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

Please use the grey field below to provide or reference the following information:

Preliminary Screening: Describe all potential impacts and proposed mitigations. This information is used for the preliminary screening of potential impacts from the project and/or to develop conditions for the land use permit. Please indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Additional guidance is provided in [Appendix B of the MVLWB Guide to the Land Use Permitting Process](#), the [Mackenzie Valley Review Board Environmental Impact](#)

[Assessment Guidelines](#), and the [Mackenzie Valley Review Board Socio-Economic Impact Guidelines](#). Alternatively, if you are seeking an exemption from preliminary screening, provide supporting rationale.

Not Applicable

Wildlife Management and Monitoring Plan: Applicants are encouraged to contact the Wildlife Division of the Government of the Northwest Territories – Environment and Natural Resources, prior to applying, to determine whether a Wildlife Management and Monitoring Plan may be needed.

18. CLOSURE AND RECLAMATION

Please use the grey field below to provide or reference the following information:

Closure and Reclamation Plan: Describe your plans for closure and reclamation, including any temporary closure(s) and seasonal shutdowns. Include your Closure and Reclamation Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed activities in the grey field provided below. Please also refer to the MVLWB/AANDC [Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories](#).

Closure Cost Estimate: Prepare a [Closure Cost Estimate](#) and include it in your Application Package. Applicants are encouraged to contact the Board, prior to applying, to determine which closure-cost-estimate template is most suited to the activities being applied for. Guidance is provided in section 2.2 of the MVLWB/INAC/GNWT [Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If your Application is submitted concurrently with a Water Licence Application, please ensure water- and land-related activities and liabilities are provided.

The proposed amendment request to reclamation security is based on information contained within, and decisions as made by the WLWB, for The Ekati Mine Interim Closure and Reclamation Plan Version 3.0.

19. ADDITIONAL SUPPORTING INFORMATION

Please use the grey field below to provide or reference the following information:

Engagement: Conduct engagement, prepare an Engagement Record and Engagement Plan in accordance with the MVLWB [Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits](#), and include them in your Application Package. Templates are provided in the Guidelines. Please also refer to [Information for Proponents on MVLWB's Engagement Requirements](#).

Land Use Planning: Please contact the applicable Land Use Planning Board or Tłı̄chǫ Government to discuss conformity with the relevant land use plan(s). Attach your Land Use Plan Conformity Table that demonstrates how the project meets the requirements of the Land Use Plan, if applicable.

Traditional (Environmental) Knowledge (TEK/TK): Provision of TEK/TK is mandatory for applications to the Sahtu Land and Water Board. Other applicants are strongly encouraged to include TEK/TK.

Studies Undertaken to Date: Please list any relevant studies that support the proposed activities and include them in your Application Package.

Not Applicable.

Note this request is based on Board approved decisions with ICRP Version 3.0 to split security between land (LUPs) and water (Licences).


20. FEES

Please refer to section 20 of the [Mackenzie Valley Land Use Regulations](#).

Type of Fee	Amount (\$)
Application fee:	0
Land-use fees (for federal areas only):	0
Total Fees:	N/A

21. SIGNATURE

Claudine Lee Dominion Diamond Mines ULC	Head of Health, Safety, Environment, Communities (HSEC) and Training
Applicant's Name (print) or Company Name	Position (print)

	April 20, 2020
Signature	Date

Please submit completed applications to the Regulatory Manager or Executive Director at the respective Land and Water Board (www.mvlwb.com, www.wlwb.ca, www.slwb.com, www.glwb.com).

APPENDIX C
Proposed Schedule 2
WL W2012L2-0001

Schedule 2
Part C: Conditions Applying to Security Deposits

1. In accordance with subsection 35(1) of the Act and Part C of this Licence, the Licensee shall post and maintain:
 - a) a security deposit of CDN \$260,568,843; and
 - b) additional security deposits on the following schedule:
 - i. At least 60 days prior to completion of 60% Sable pit mining by volume, the Licensee shall post and maintain an additional CDN \$2,864,913
 - ii. At least 60 days prior to commencement of Jay dyke construction, the Licensee shall post and maintain an additional CDN \$4,591,701
 - iii. At least 60 days prior to commencement of Jay open pit mining, the Licensee shall post and maintain an additional CDN \$3,155,704



APPENDIX D
RECLAIM

SUMMARY OF COSTS		
OPEN PITS		
Misery		\$5,060,996
Pigeon		\$5,559,861
Sable		\$7,160,292
Beartooth		\$4,872,553
Fox		\$10,391,879
Panda		\$4,719,876
Koala North		\$3,048,402
Koala		\$2,233,619
Lynx		\$2,624,554
Jay		\$2,784,151
OPEN PIT TOTAL:		\$48,456,184
TAILINGS		
Cell A		\$10,364,446
Cell B		\$9,835,643
Cell C		\$12,869,242
Cell D		\$97,836
Cell E		\$482,419
Phase 1		\$633,664
TAILINGS TOTAL		\$34,283,249
ROCK PILES		
Fox WRSA		\$4,600,808
Misery WRSA		\$3,085,511
Panda/Koala Beartooth WRSA		\$12,983,409
Pigeon WRSA		\$19,591,819
Sable WRSA		\$858,559
Lynx WRSA		\$196,832
Jay WRSA		\$10,907,422
ROCK PILE TOTAL		\$52,224,361
BUILDINGS AND EQUIPMENT		
		\$19,208,736
WATER MANAGEMENT		
		\$4,975,301
CHEMICALS AND SOIL CONTAMINATION		
		\$3,157,469
UNDERGROUND MINE		
Panda		\$221,686
Koala		\$157,686
Koala North		\$221,686
Misery Underground		\$78,843
UNDERGROUND MINE TOTAL		\$679,900
SUBTOTAL		
		\$162,985,200
MOBILIZATION/DEMOLITION		
		\$56,294,162
POST-CLOSURE MONITORING AND MAINTENANCE		
		\$18,066,911
RESIDUAL RISK		
		\$2,438,429
PROJECT MANAGEMENT	5%	\$8,149,260.00
ENGINEERING	5%	\$8,149,260.00
HEALTH AND SAFETY PLANS/MONITORING & QA/QC	0.5%	\$814,926.00
BONDING/INSURANCE	0.5%	\$814,926.00
CONTINGENCY (Open Pit Flooding)	10%	\$2,276,272
CONTINGENCY (Open Pit Flooding)	15%	\$1,484,725
CONTINGENCY (Capping)	15%	\$9,771,170
CONTINGENCY (Buildings Decommissioning)	15%	\$1,835,985
CONTINGENCY (Other Reclamation Activities)	20%	\$10,588,656
RECLAIM ESTIMATE GRAND TOTAL		\$283,669,882

Current Ekati Disturbances	Water	Land
W20112L2-0001 Ekati Water Licence	\$260,568,843	----
W2013D0007 Land Use Permit - (Jay Development)	----	\$659,280
W2017D0004 Land Use Permit - (Misery Underground Development)	----	\$1,397,982
Subtotal:	\$260,568,843	\$2,057,261
Future Ekati Disturbances	Water	Land
Sable Phase 4: 60% Sable Pit Mining by Volume	\$2,864,913	----
Jay Phase 1: Jay Dyke Construction	\$4,591,701	\$2,430,994
Jay Phase 2: Open Pit Mining	\$3,155,704	\$8,000,466
Subtotal:	\$10,612,318	\$10,431,459

Open Pit Name:		<u>Misery</u>			Pit # <u>1</u>	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Fence and Signs	each	1	FSS	10,600.00	\$10,600	
Berm at Crest	m3	38,858	SBSBS	4.22	\$164,115	
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550	
Dozing	m3	9,000	DSL	1.01	\$9,063	
OBJECTIVE: CONSTRUCT LITORAL ZONES						
Blast Rim	m3	122,711	RCSS	7.95	\$975,549	
Dozing	m3	79,762	DSL	1.01	\$80,320	
Substrate Produce and Place	m3	12,271	SCSTS	24.17	\$296,541	
Sediment Berm Produce and Place	m3	1,227	SCSBS	25.66	\$31,488	
Vegetation	ha	1	VHFL	4,240.00	\$4,240	
OBJECTIVE: WATER MANAGEMENT						
Outflow Channel	m3	80	#N/A	192.4112	\$15,393	
Spillway Construction	m3	0	#N/A	0	\$0	
Concrete Weir Construction	m3	0	#N/A	0	\$0	
OBJECTIVE: LOWER LYNX PIT						
MUG Provisional Amount	kwh	776949.206	#N/A	0.420022152	\$326,336	
OBJECTIVE: LOWER & BACKFLOOD MISERY PIT						
Pump Purchase	each	0	#N/A	239,000.00	\$0	
Pipe Puchase and Install	m	1000	#N/A	702	\$702,000	
Pump Maintenance	yr*m	1.5	#N/A	25000	\$37,500	
Pump Fuel	litre	2553333	FLONAS	0.92	\$2,336,300	
				Subtotal	\$5,060,996	

Open Pit Name:		<u>Pigeon</u>			Pit #	<u>2</u>
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Fence and Signs	each	1	FSS	10,600.00	\$10,600	
Berm at Crest	m3	25,070	SBSBS	4.22	\$105,881	
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550	
Dozing	m3	9,000	DSL	1.01	\$9,063	
OBJECTIVE: CONSTRUCT LITORAL ZONES						
Blast Rim	m3	79,168	RCSS	7.95	\$629,387	
Dozing	m3	51,459	DSL	1.01	\$51,820	
Substrate Produce and Place	m3	7,917	SCSTS	24.17	\$191,317	
Sediment Berm Produce and Place	m3	792	SCSBS	25.66	\$20,315	
Vegetation	ha	1	VHFL	4,240.00	\$4,240	
OBJECTIVE: WATER MANAGEMENT						
Outflow Channel	m3	45	#N/A	83.793	\$3,771	
Spillway Construction	m3	0	#N/A	0	\$0	
Concrete	m3	0	#N/A	0	\$0	
OBJECTIVE: FLOOD PIT						
Pump Purchase	each	2	#N/A	239,000.00	\$478,000	
Pipe Puchase and Install	m	3700	#N/A	505	\$1,866,650	
Pump Maintenance	yr*m	5.0	#N/A	25000	\$125,000	
Pump Fuel	litre	1,663,000	FLONAS	0.92	\$1,521,645	
Access Road	m	1,600	#N/A	294	\$470,624	
				Subtotal	\$5,559,861	

Open Pit Name:		<u>Sable</u>			Pit #	<u>3</u>
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Fence and Signs	each	1	FSS	10,600.00	\$10,600	
Berm at Crest	m3	37,605	SBSBS	4.22	\$158,821	
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550	
Dozing	m3	9,000	DSL	1.01	\$9,063	
OBJECTIVE: CONSTRUCT LITORAL ZONES						
Blast Rim	m3	118,752	RCSS	7.95	\$944,080	
Dozing	m3	77,189	DSL	1.01	\$77,729	
Substrate Produce and Place	m3	11,875	SCSTS	24.17	\$286,975	
Sediment Berm Produce and Place	m3	1,188	SCSBS	25.66	\$30,472	
Vegetation	ha	1	VHFL	4,240.00	\$4,240	
OBJECTIVE: WATER MANAGEMENT						
Outflow Channel	m3	45	#N/A	83.793	\$3,771	
Spillway Construction	m3	0	#N/A	0	\$0	
Concrete Weir Construction	m3	0	#N/A	0	\$0	
OBJECTIVE: FLOOD PIT						
Pump Purchase	each	1	#N/A	239,000.00	\$239,000	
Pipe Puchase and Install	m	4000	#N/A	172	\$688,000	
Pump Maintenance	yr*m	13.0	#N/A	25000	\$325,000	
Pump Fuel	litre	4,390,000	FLONAS	0.92	\$4,016,850	
Access Road	m	1,000	#N/A	294	\$294,140	
				Subtotal	\$7,160,292	

Open Pit Name:		<u>Beartooth</u>			Pit #	<u>4</u>
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Fence and Signs	each	1	FSS	10,600.00	\$10,600	
Berm at Crest	m3	26,323	SBSBS	4.22	\$111,175	
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550	
Dozing	m3	9,000	DSL	1.01	\$9,063	
OBJECTIVE: CONSTRUCT LITORAL ZONES						
Blast Rim	m3	83,127	RCSS	7.95	\$660,856	
Dozing	m3	54,032	DSL	1.01	\$54,410	
Substrate Produce and Place	m3	8,313	SCSTS	24.17	\$200,883	
Sediment Berm Produce and Place	m3	831	SCSBS	25.66	\$21,331	
Vegetation	ha	1	VHFL	4,240.00	\$4,240	
OBJECTIVE: WATER MANAGEMENT						
Outflow Channel	m3	50	#N/A	247.9976	\$12,400	
Spillway Construction	m3	0	#N/A	0	\$0	
Concrete Weir Construction	m3	0	#N/A	0	\$0	
OBJECTIVE: FLOOD PIT						
Pump Purchase	each	0	#N/A	239,000.00	\$0	
Pipe Puchase and Install	m	6300	#N/A	505	\$3,178,350	
Pump Maintenance	yr*m	2.0	#N/A	25000	\$50,000	
Pump Fuel	litre	533,000	FLONAS	0.92	\$487,695	
				Subtotal	\$4,872,553	

Open Pit Name:		<u>Fox</u>		Pit #		<u>5</u>	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost		
OBJECTIVE: CONTROL ACCESS							
Fence and Signs	each	1	FSS	10,600.00	\$10,600		
Berm at Crest	m3	56,407	SBSBS	4.22	\$238,232		
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550		
Dozing	m3	9,000	DSL	1.01	\$9,063		
OBJECTIVE: CONSTRUCT LITORAL ZONES							
Blast Rim	m3	178,128	RCSS	7.95	\$1,416,120		
Dozing	m3	115,783	DSL	1.01	\$116,594		
Substrate Produce and Place	m3	17,813	SCSTS	24.17	\$430,463		
Sediment Berm Produce and Place	m3	1,781	SCSBS	25.66	\$45,709		
Vegetation	ha	1	VHFL	4,240.00	\$4,240		
OBJECTIVE: WATER MANAGEMENT							
Outflow Channel	m3	8,300	#N/A	21.73	\$180,359		
Spillway Construction	m3	0	#N/A	0	\$0		
Concrete Weir Construction	m3	0	#N/A	0	\$0		
OBJECTIVE: FLOOD PIT							
Pump Purchase	each	1	#N/A	239,000.00	\$239,000		
Pipe Puchase and Install	m	5000	#N/A	241	\$1,205,000		
Pump Maintenance	yr*m	18.0	#N/A	25000	\$450,000		
Pump Fuel	litre	6,530,000	FLONAS	0.92	\$5,974,950		
				Subtotal	\$10,391,879		

Open Pit Name:		<u>Panda</u>			Pit #	<u>6</u>
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Fence and Signs	each	1	FSS	10,600.00	\$10,600	
Berm at Crest	m3	45,126	SBSBS	4.22	\$190,586	
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550	
Dozing	m3	9,000	DSL	1.01	\$9,063	
OBJECTIVE: CONSTRUCT LITORAL ZONES						
Blast Rim	m3	142,503	RCSS	7.95	\$1,132,896	
Dozing	m3	92,627	DSL	1.01	\$93,275	
Substrate Produce and Place	m3	14,250	SCSTS	24.17	\$344,370	
Sediment Berm Produce and Place	m3	1,425	SCSBS	25.66	\$36,567	
Vegetation	ha	1	VHFL	4,240.00	\$4,240	
OBJECTIVE: WATER MANAGEMENT						
Connector Channel	m3	48,700	#N/A	11.554	\$562,680	
Spillway Construction	m3	42000	RC1H	18.868	\$792,456	
Concrete Weir Construction	m3	225	CSFH	678.135	\$152,580	
OBJECTIVE: FLOOD PIT						
Pump Purchase	each	0	#N/A	239,000.00	\$0	
Pipe Puchase and Install	m	667	#N/A	505	\$336,333	
Pump Maintenance	yr*m	3.0	#N/A	25000	\$75,000	
Pump Fuel	litre	992000	FLONAS	0.92	\$907,680	
Costs Split Amongst Three Pits				Subtotal	\$4,719,876	

Open Pit Name:		<u><i>Koala North</i></u>			Pit #	<u>7</u>
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Fence and Signs	each	1	FSS	10,600.00	\$10,600	
Berm at Crest	m3	16,922	SBSBS	4.22	\$71,470	
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550	
Dozing	m3	9,000	DSL	1.01	\$9,063	
OBJECTIVE: CONSTRUCT LITORAL ZONES						
Blast Rim	m3	138,544	RCSS	7.95	\$1,101,427	
Dozing	m3	90,054	DSL	1.01	\$90,684	
Substrate Produce and Place	m3	13,854	SCSTS	24.17	\$334,804	
Sediment Berm Produce and Place	m3	1,385	SCSBS	25.66	\$35,551	
Vegetation	ha	1	VHFL	4,240.00	\$4,240	
OBJECTIVE: WATER MANAGEMENT						
Outflow Channel	m3	0	#N/A	0	\$0	
Drill and Blast Spillway	m3	0	#N/A	0	\$0	
Concrete Weir Construction	m3	0	#N/A	0	\$0	
OBJECTIVE: FLOOD PIT						
Pump Purchase	each	0	#N/A	239,000.00	\$0	
Pipe Puchase and Install	m	667	#N/A	505	\$336,333	
Pump Maintenance	yr*m	3.0	#N/A	25000	\$75,000	
Pump Fuel	litre	992000	FLONAS	0.92	\$907,680	
Costs Split Amongst Three Pits				Subtotal	\$3,048,402	

Open Pit Name:		<u>Koala</u>			Pit #	<u>8</u>
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Fence and Signs	each	1	FSS	10,600.00	\$10,600	
Berm at Crest	m3	43,872	SBSBS	4.22	\$185,292	
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550	
Dozing	m3	9,000	DSL	1.01	\$9,063	
OBJECTIVE: COVER/CONTOUR SLOPES						
Blast Rim	m3	53,438	RCSS	7.95	\$424,836	
Dozing	m3	34,735	DSL	1.01	\$34,978	
Substrate Produce and Place	m3	5,344	SCSTS	24.17	\$129,139	
Sediment Berm Produce and Place	m3	534	SCSBS	25.66	\$13,713	
Vegetation	ha	1	VHFL	4,240.00	\$4,240	
OBJECTIVE: WATER MANAGEMENT						
Outflow Channel	m3	2,700	#N/A	11.554	\$31,196	
Drill and Blast Spillway	m3	0	#N/A	0	\$0	
Concrete Weir Construction	m3	0	#N/A	0	\$0	
OBJECTIVE: FLOOD PIT						
Pump Purchase	each	0	#N/A	239,000.00	\$0	
Pipe Purchase and Install	m	667	#N/A	505	\$336,333	
Pump Maintenance	yr*m	3.0	#N/A	25000	\$75,000	
Pump Fuel	litre	992000	FLONAS	0.92	\$907,680	
Costs Split Amongst Three Pits				Subtotal	\$2,233,619	

Open Pit Name:		<u>Lynx</u>		Pit # <u>9</u>	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
OBJECTIVE: CONTROL ACCESS					
Fence and Signs	each	1	FSS	10,600.00	\$10,600
Berm at Crest	m3	25,070	SBSBS	4.22	\$105,881
Block Roads (20 m ramp length)	m3	9,000	RCSS	7.95	\$71,550
Dozing	m3	9,000	DSL	1.01	\$9,063
OBJECTIVE: COVER/CONTOUR SLOPES					
Blast Rim	m3	71,251	RCSS	7.95	\$566,448
Dozing	m3	46,313	DSL	1.01	\$46,638
Substrate Produce and Place	m3	7,125	SCSTS	24.17	\$172,185
Sediment Berm Produce and Place	m3	713	SCSBS	25.66	\$18,283
Vegetation	ha	1	VHFL	4,240.00	\$4,240
OBJECTIVE: WATER MANAGEMENT					
Outflow Channel	m3	45	#N/A	83.793	\$3,771
Drill and Blast Spillway	m3	0	#N/A	0	\$0
Concrete Weir Construction	m3	0	#N/A	0	\$0
OBJECTIVE: FLOOD PIT					
Pump Purchase	each	2	#N/A	239,000.00	\$478,000
Pipe Puchase and Install	m	2000	#N/A	172	\$344,000
Pump Maintenance	yr*m	2.0	#N/A	25000	\$50,000
Pump Fuel	litre	813,000	FLONAS	0.92	\$743,895
Costs Split Amongst Three Pits				Subtotal	\$2,624,554

Open Pit Name:		<u>Jay</u>		Pit #		<u>10</u>	
ACTIVITY/MATERIAL	Units	Quantity	Cost		Unit Cost	Cost	
			Code				
OBJECTIVE: CONTROL ACCESS							
Fence and Signs	each	1	FSS	10600		\$10,600	
Berm at Crest	m3	68828	SBSBS	4.2234277		\$290,688	
Block Roads (20 m ramp length)	m3	9000	RCSS	7.95		\$71,550	
Dozing	m3	9000	DSL	1.007		\$9,063	
OBJECTIVE: COVER/CONTOUR SLOPES							
OBJECTIVE: WATER MANAGEMENT							
OBJECTIVE: FLOOD PIT							
Pump Purchase	each	0	#N/A	239,000.00		\$0	
Pipe Puchase and Install	m	200	#N/A	702		\$140,400	
Pump Maintenance	yr*m	3.0	#N/A	25000		\$75,000	
Pump Fuel	litre	2390000	FLONAS	0.92		\$2,186,850	
						Subtotal	\$2,784,151

Tailings Impoundment Name: <u>Cell A</u>		Pond # <u>1</u>				
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: COVER TAILINGS						
Rock cover - Upper Zone						
Drill Blast Granite Rock	m3	369,204	GRCBLS	3.43	\$1,267,108	\$1,218,373
Ripp Granite Rock	m3	290,089	GRRPS	1.11	\$322,869	\$304,593
Load/Long Haul/Spread Compact	m3	659,293	GRCLHSS	6.73	\$4,438,593	\$4,187,352
Rock cover - Central Zone						
Drill Blast Granite Rock	m3	106,924	GRCBLS	3.43	\$366,962	\$352,849
Ripp Granite Rock	m3	84,012	GRRPS	1.11	\$93,505	\$88,212
Load/Long Haul/Spread Compact	m3	190,935	GRCLHSS	6.73	\$1,285,444	\$1,212,683
Rock cover - Water Interface Zone						
Drill Blast Granite Rock	m3	31,846	GRCBLS	3.43	\$109,294	\$105,090
Ripp Granite Rock	m3	25,021	GRRPS	1.11	\$27,849	\$26,273
Load/Long Haul/Spread Compact	m3	56,867	GRCLHSS	6.73	\$382,849	\$361,178
Vegetation						
Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	1	#N/A	1,020,780	\$1,020,780	\$963,000
Vegetation Equipment Capital Cost	L.S	1	#N/A	133,207	\$133,207	\$125,667
Vegetation Equipment Fuel	liter	41,667	FLONAS	0.92	\$38,125	\$38,125
OBJECTIVE: WEIR						
Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	9.43	\$0	\$0
Rip-rap	m3	0	RR2H	21.89	\$0	\$0
Transition material	m3	0	RR2S	23.08	\$0	\$0
OBJECTIVE: INTERNAL CHANNEL						
Excavate channel	m3	30,800	SC3L	9.43	\$290,567	\$274,120
Rip-rap	m3	13,650	RR2H	21.89	\$298,785	\$281,873
Transition material	m3	8,190	RR2S	23.08	\$188,985	\$178,288
Filter material - sand	m3	4,102	SCSH	24.26	\$99,523	\$93,890
OBJECTIVE: EXTERNAL CHANNEL						
Excavate channel	m3	0	SC3L	9.43	\$0	\$0
OBJECTIVE: OUTLET DAM						
Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	9.43	\$0	\$0
Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	13.46	\$0	\$0
Rip-rap	m3	0	RR2H	21.89	\$0	\$0
Transition material	m3	0	RR2S	23.08	\$0	\$0
OBJECTIVE: PHASE 1 RECLAMATION POND						
Excavate channel	m3	0	SC3L	9.43	\$0	\$0
Rip Rap	m3	0	RR2H	21.89	\$0	\$0
Granular Cap	m3	0	RR2S	23.08	\$0	\$0
Filter material - sand	m3	0	SCSH	24.26	\$0	\$0
					Subtotal	\$10,364,446

Tailings Impoundment Name:		<u>Cell B</u>			Pond # 2	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: COVER TAILINGS						
Rock cover - Upper Zone						
Drill Blast Granite Rock	m3	257,584	GRCBLS	3.43	\$884,029	
Ripp Granite Rock	m3	202,388	GRRPS	1.11	\$225,257	
Load/Long Haul/Spread Compact	m3	459,972	GRCLHSS	6.73	\$3,096,694	
Rock cover - Central Zone						
Drill Blast Granite Rock	m3	124,081	GRCBLS	3.43	\$425,845	
Ripp Granite Rock	m3	97,492	GRRPS	1.11	\$108,509	
Load/Long Haul/Spread Compact	m3	221,573	GRCLHSS	6.73	\$1,491,706	
Rock cover - Water Interface Zone						
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0	
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0	
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0	
Vegetatation						
Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	1	#N/A	1,020,780	\$1,020,780	
Vegetation Equipment Capital Cost	L.S	1	#N/A	133,207	\$133,207	
Vegetation Equipment Fuel	liter	41,667	FLONAS	0.92	\$38,125	
OBJECTIVE: WEIR						
Excavate channel (Breach dike, dozer, unfrozen)	m3	1,755	SC3L	9.43	\$16,558	
Rip-rap	m3	501	RR2H	21.89	\$10,966	
Transition material	m3	357	RR2S	23.08	\$8,241	
OBJECTIVE: INTERNAL CHANNEL						
Excavate channel	m3	48,400	SC3L	9.43	\$456,606	
Rip-rap	m3	21,450	RR2H	21.89	\$469,519	
Transition material	m3	12,870	RR2S	23.08	\$296,977	
Filter material - sand	m3	6,446	SCSH	24.26	\$156,394	
OBJECTIVE: EXTERNAL CHANNEL						
Excavate channel	m3	105,600	SC3L	9.43	\$996,230	
OBJECTIVE: OUTLET DAM						
Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	9.43	\$0	
Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	13.46	\$0	
Rip-rap	m3	0	RR2H	21.89	\$0	
Transition material	m3	0	RR2S	23.08	\$0	
OBJECTIVE: PHASE 1 RECLAMATION POND						
Excavate channel	m3	0	SC3L	9.43	\$0	
Rip Rap	m3	0	RR2H	21.89	\$0	
Granular Cap	m3	0	RR2S	23.08	\$0	
Filter material - sand	m3	0	SCSH	24.26	\$0	
					Subtotal	\$9,835,643

Tailings Impoundment Name:		<u>Cell C</u>			Pond # <u>3</u>	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: COVER TAILINGS						
Rock cover - Upper Zone						
Drill Blast Granite Rock	m3	356,124	GRCBLS	3.43	\$1,222,216	
Ripp Granite Rock	m3	279,811	GRRPS	1.11	\$311,430	
Load/Long Haul/Spread Compact	m3	635,935	GRCLHSS	6.73	\$4,281,339	
Rock cover - Central Zone						
Drill Blast Granite Rock	m3	195,447	GRCBLS	3.43	\$670,775	
Ripp Granite Rock	m3	153,566	GRRPS	1.11	\$170,919	
Load/Long Haul/Spread Compact	m3	349,013	GRCLHSS	6.73	\$2,349,677	
Rock cover - Water Interface Zone						
Drill Blast Granite Rock	m3	28,474	GRCBLS	3.43	\$97,722	
Ripp Granite Rock	m3	22,372	GRRPS	1.11	\$24,900	
Load/Long Haul/Spread Compact	m3	50,846	GRCLHSS	6.73	\$342,313	
Vegetatation						
Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	1	#N/A	1,020,780	\$1,020,780	
Vegetation Equipment Capital Cost	L.S	1	#N/A	133,207	\$133,207	
Vegetation Equipment Fuel	liter	41,667	FLONAS	0.92	\$38,125	
OBJECTIVE: WEIR						
Excavate channel (Breach dike, dozer, unfrozen)	m3	2,093	SC3L	9.43	\$19,747	
Rip-rap	m3	594	RR2H	21.89	\$13,009	
Transition material	m3	424	RR2S	23.08	\$9,784	
OBJECTIVE: INTERNAL CHANNEL						
Excavate channel	m3	75,900	SC3L	9.43	\$716,041	
Rip-rap	m3	33,638	RR2H	21.89	\$736,291	
Transition material	m3	20,183	RR2S	23.08	\$465,714	
Filter material - sand	m3	10,109	SCSH	24.26	\$245,254	
OBJECTIVE: EXTERNAL CHANNEL						
Excavate channel	m3	0	SC3L	9.43	\$0	
OBJECTIVE: OUTLET DAM						
Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	9.43	\$0	
Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	13.46	\$0	
Rip-rap	m3	0	RR2H	21.89	\$0	
Transition material	m3	0	RR2S	23.08	\$0	
OBJECTIVE: PHASE 1 RECLAMATION POND						
Excavate channel	m3	0	SC3L	9.43	\$0	
Rip Rap	m3	0	RR2H	21.89	\$0	
Granular Cap	m3	0	RR2S	23.08	\$0	
Filter material - sand	m3	0	SCSH	24.26	\$0	
					Subtotal	\$12,869,242

Tailings Impoundment Name:		<u>Cell D</u>			Pond # 4	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: COVER TAILINGS						
Rock cover - Upper Zone						
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0	
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0	
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0	
Rock cover - Central Zone						
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0	
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0	
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0	
Rock cover - Water Interface Zone						
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0	
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0	
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0	
Vegetatation						
Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	0	#N/A	0	\$0	
Vegetation Equipment Capital Cost	L.S	0	#N/A	0	\$0	
Vegetation Eqquipment Fuel	liter	0	FLONAS	0.92	\$0	
OBJECTIVE: WEIR						
Excavate channel (Breach dike, dozer, unfrozen)	m3	4,982	SC3L	9.43	\$46,996	
Rip-rap	m3	1,319	RR2H	21.89	\$28,874	
Transition material	m3	952	RR2S	23.08	\$21,966	
OBJECTIVE: INTERNAL CHANNEL						
Excavate channel	m3	0	SC3L	9.43	\$0	
Rip-rap	m3	0	RR2H	21.89	\$0	
Transition material	m3	0	RR2S	23.08	\$0	
Filter material - sand	m3	0	SCSH	24.26	\$0	
OBJECTIVE: EXTERNAL CHANNEL						
Excavate channel	m3	0	SC3L	9.43	\$0	
OBJECTIVE: OUTLET DAM						
Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	9.43	\$0	
Excavate channel (Breach dike, dozer, frozen)	m3	0	RC3L	13.46	\$0	
Rip-rap	m3	0	RR2H	21.89	\$0	
Transition material	m3	0	RR2S	23.08	\$0	
OBJECTIVE: PHASE 1 RECLAMATION POND						
Excavate channel	m3	0	SC3L	9.43	\$0	
Rip Rap	m3	0	RR2H	21.89	\$0	
Granular Cap	m3	0	RR2S	23.08	\$0	
Filter material - sand	m3	0	SCSH	24.26	\$0	
				Subtotal	\$97,836	

Tailings Impoundment Name:		<u>Cell E</u>			Pond # <u>5</u>	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: COVER TAILINGS						
Rock cover - Upper Zone						
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0	
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0	
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0	
Rock cover - Central Zone						
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0	
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0	
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0	
Rock cover - Water Interface Zone						
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0	
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0	
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0	
Vegetatation						
Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	0	#N/A	0	\$0	
Vegetation Equipment Capital Cost	L.S	0	#N/A	0	\$0	
Vegetation Eqquipment Fuel	liter	0	FLONAS	0.92	\$0	
OBJECTIVE: WEIR						
Excavate channel (Breach dam, dozer, frozen)	m3	0	RC3L	13.46	\$0	
Rip-rap	m3	0	RR2H	21.89	\$0	
Transition material	m3	0	RR2S	23.08	\$0	
OBJECTIVE: INTERNAL CHANNEL						
Excavate channel	m3	0	SC3L	9.43	\$0	
Rip-rap	m3	0	RR2H	21.89	\$0	
Transition material	m3	0	RR2S	23.08	\$0	
Filter material - sand	m3	0	SCSH	24.26	\$0	
OBJECTIVE: EXTERNAL CHANNEL						
Excavate channel	m3	0	SC3L	9.43	\$0	
OBJECTIVE: OUTLET DAM						
Excavate channel (Breach dike, dozer, unfrozen)	m3	19,197	SC3L	9.43	\$181,104	
Excavate channel (Breach dike, dozer, frozen)	m3	6,399	RC3L	13.46	\$86,143	
Rip-rap	m3	716	RR2H	21.89	\$15,673	
Transition material	m3	8,646	RR2S	23.08	\$199,498	
OBJECTIVE: PHASE 1 RECLAMATION POND						
Excavate channel	m3	0	SC3L	9.43	\$0	
Rip Rap	m3	0	RR2H	21.89	\$0	
Granular Cap	m3	0	RR2S	23.08	\$0	
Filter material - sand	m3	0	SCSH	24.26	\$0	
					Subtotal	\$482,419

Tailings Impoundment Name: <u>Phase 1</u>		Pond # <u>6</u>			
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
OBJECTIVE: COVER TAILINGS					
Rock cover - Upper Zone					
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0
Rock cover - Central Zone					
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0
Rock cover - Water Interface Zone					
Drill Blast Granite Rock	m3	0	GRCBLS	3.43	\$0
Ripp Granite Rock	m3	0	GRRPS	1.11	\$0
Load/Long Haul/Spread Compact	m3	0	GRCLHSS	6.73	\$0
Vegetation					
Vegetation Supplies (Seed, Fertilizer Plugs)	L.S	0	#N/A	0	\$0
Vegetation Equipment Capital Cost	L.S	0	#N/A	0	\$0
Vegetation Equipment Fuel	liter	41,667	FLONAS	0.92	\$38,125
OBJECTIVE: WEIR					
Excavate channel (Breach dike, dozer, unfrozen)	m3	0	SC3L	9.43	\$0
Rip-rap	m3	0	RR2H	21.89	\$0
Transition material	m3	0	RR2S	23.08	\$0
OBJECTIVE: INTERNAL CHANNEL					
Excavate channel	m3	0	SC3L	9.43	\$0
Rip-rap	m3	0	RR2H	21.89	\$0
Transition material	m3	0	RR2S	23.08	\$0
Filter material - sand	m3	0	SCSH	24.26	\$0
OBJECTIVE: EXTERNAL CHANNEL					
Excavate channel	m3	0	SC3L	9.43	\$0
OBJECTIVE: OUTLET DAM					
Excavate channel	m3	0	SC3L	9.43	\$0
Rip Rap	m3	0	RR2H	21.89	\$0
Granular Cap	m3	0	RR2S	23.08	\$0
Filter material - sand	m3	0	SCSH	24.26	\$0
OBJECTIVE: PHASE 1 RECLAMATION POND					
Excavate channel	m3	30,000	SC3L	9.43	\$283,020
Rip Rap	m3	3,100	RR2H	21.89	\$67,856
Granular Cap	m3	8,500	RR2S	23.08	\$196,139
Transition material	m3	2,000	SCSH	24.26	\$48,524
				Subtotal	\$633,664

Rock Pile Name:		<u>Fox WRSA</u>			Rock Pile #: 1	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: WILDLIFE RAMPS						
Flatten slopes with dozer	m3	357,120	DRL	1.11	\$397,475	
OBJECTIVE: WASTE ROCK COVER						
Rock cover - Low Grade Kimberlite						
Drill Blast Granite Rock	m3	122,304	GRCBLS	3.43	\$419,747	
Ripp Granite Rock	m3	96,096	GRRPS	1.11	\$106,955	
Load/Short Haul/Spread Compact	m3	218,400	GRCSHSS	6.40	\$1,398,737	
Rock cover -Waste Kimberlite						
Drill Blast Granite Rock	m3	121,800	GRCBLS	3.43	\$418,018	
Ripp Granite Rock	m3	95,700	GRRPS	1.11	\$106,514	
Load/Short Haul/Spread Compact	m3	217,500	GRCSHSS	6.40	\$1,392,973	
OBJECTIVE: TOP AREA						
Dozer and contour	m3	323,800	DRL	1.11	\$360,390	
Subtotal					\$4,600,808	

Rock Pile Name:		<u>Misery WRSA</u>			Rock Pile #: 2	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: WILDLIFE RAMPS						
Flatten slopes with dozer	m3	357,120	DRL	1.11	\$397,475	
OBJECTIVE: WASTE ROCK COVER						
Rock cover - Exposed Metasediment (Top Lift)						
Drill Blast Granite Rock	m3	117,158	GRCBLS	3.43	\$402,085	
Ripp Granite Rock	m3	92,052	GRRPS	1.11	\$102,454	
Load/Short Haul/Spread Compact	m3	209,210	GRCSHSS	6.40	\$1,339,880	
Rock cover - Exposed Metasediment (Side Slopes)						
Dozing Work Area Access	m3	15,789	DSL	1.01	\$15,900	
Load/Short Haul/Spread Compact	m3	22,925	GRCSHSS	6.40	\$146,823	
Drill Blast Granite Rock	m3	25,830	GRCBLS	3.43	\$88,649	
Ripp Granite Rock	m3	20,295	GRRPS	1.11	\$22,588	
Load/Short Haul/Spread Compact	m3	46,125	GRCSHSS	6.40	\$295,406	
OBJECTIVE: TOP AREA						
Dozer and contour	m3	187,000	DRL	1.11	\$208,131	
Rock cover - Zone S						
Drill Blast Granite Rock	m3	4,200	GRCBLS	3.43	\$14,414	
Ripp Granite Rock	m3	3,300	GRRPS	1.11	\$3,673	
Load/Short Haul/Spread Compact	m3	7,500	GRCSHSS	6.40	\$48,034	
					Subtotal	\$3,085,511

Rock Pile Name:		<u>Panda/Koala Beartooth WRSA</u>				Rock Pile #:	3
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	% Land	
OBJECTIVE: WILDLIFE RAMPS							
Flatten slopes with dozer	m3	499,968	DRL	1.11	\$556,464		
OBJECTIVE: WASTE ROCK COVER							
Rock cover - Landfill							
Drill Blast Granite Rock	m3	55,227	GRCBLS	3.43	\$189,538		
Ripp Granite Rock	m3	43,393	GRRPS	1.11	\$48,296		
Load/Short Haul/Spread Compact	m3	197,239	GRCSHSS	6.40	\$1,263,210		
Rock cover - Landfarm & Zones S							
Drill Blast Granite Rock	m3	18,136	GRCBLS	3.43	\$62,243		
Ripp Granite Rock	m3	14,250	GRRPS	1.11	\$15,860		
Load/Short Haul/Spread Compact	m3	32,386	GRCSHSS	6.40	\$207,415		
Rock cover -CKRSA							
Drill Blast Granite Rock	m3	638,264	GRCBLS	3.43	\$2,190,521		
Ripp Granite Rock	m3	501,493	GRRPS	1.11	\$558,162		
Load/Short Haul/Spread Compact	m3	1,139,757	GRCSHSS	6.40	\$7,299,542		
OBJECTIVE: TOP AREA							
Dozer and contour	m3	517,751	DRL	1.11	\$576,257		
Aerial Seed	L.S.	1	#N/A	15900.00	\$15,900		
Subtotal					\$12,983,409		

Rock Pile Name:		<u>Pigeon WRSA</u>			Rock Pile #:		4
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost		
OBJECTIVE: WILDLIFE RAMPS							
Flatten slopes with dozer	m3	357,120	DRL	1.11	\$397,475		
OBJECTIVE: WASTE ROCK COVER							
Cover - Exposed Metasediment							
Dozer Slopes	m3	550,000	DRL	1.11	\$612,150		
Place 3 m of Till	m3	1,641,000	SB3L	5.41	\$8,871,246		
Drill Blast Granite Rock	m3	616,840	GRCBLS	3.43	\$2,116,995		
Ripp Granite Rock	m3	484,660	GRRPS	1.11	\$539,427		
Load/Short Haul/Spread Compact	m3	1,101,500	GRCSHSS	6.40	\$7,054,527		
OBJECTIVE: TOP AREA							
Dozer and contour	m3	0	DRL	1.11	\$0		
Subtotal					\$19,591,819		

Rock Pile Name:		<u>Sable WRSA</u>			Rock Pile #: 5	
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: WILDLIFE RAMPS						
Flatten slopes with dozer	m3	571,392	DRL	1.11	\$635,959	
OBJECTIVE: TOP AREA						
Dozer and contour	m3	200,000	DRL	1.11	\$222,600	
Subtotal					\$858,559	

Rock Pile Name:		<u>Lynx WRSA</u>			Rock Pile #:		6
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost		
OBJECTIVE: WILDLIFE RAMPS							
Flatten slopes with dozer	m3	142,848	DRL	1.11	\$158,990		
OBJECTIVE: TOP AREA							
Dozer and contour	m3	34,000	DRL	1.11	\$37,842		
Subtotal					\$196,832		

Rock Pile Name: <u>JAY WRSA</u>		Rock Pile #: 7			
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
OBJECTIVE: WILDLIFE RAMPS					
Flatten slopes with dozer	m3	357,120	DRL	1.11	\$397,475
OBJECTIVE: WASTE ROCK COVER					
Rock cover - Exposed Metasediment					
Drill Blast Granite Rock	m3	860,000	GRCBL2S	5.49	\$4,722,737
Ripp Granite Rock	m3	0	GRRPS	1.11	
Load/Short Haul/Spread C	m3	860,000	GRCSHSS	6.40	\$5,507,847
OBJECTIVE: TOP AREA					
Dozer and contour	m3	251,000	DRL	1.11	\$279,363
Subtotal					\$10,907,422

Building / Equip Name:		<u>All Areas</u>			
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
OBJECTIVE: BUILDING INFRASTRUCTURE DEMOLOTION					
Panda/Koala/Beartooth Pit development	L.S	1	#N/A	\$5,498,000	\$5,498,000
Panda/Koala Underground development	L.S	1	#N/A	\$680,000	\$680,000
Fox development	L.S	1	#N/A	\$217,000	\$217,000
Misery development (Excluding Misery Camp Buildings)	L.S	1	#N/A	\$2,062,000	\$2,062,000
Misery development (Jay Misery Camp buildings)	L.S	1	#N/A	\$981,500	\$981,500
Pigeon development	L.S	1	#N/A	\$85,000	\$85,000
Sable development	L.S	1	#N/A	\$851,500	\$851,500
Lynx development	L.S	1	#N/A	\$65,000	\$65,000
Jay development	L.S	1	#N/A	\$332,700	\$332,700
OBJECTIVE: CULVERTS, POWELINES, PIPELINES, BRIDGRES INFRASTRUCTURE DEMOLOTION					
Culverts (Excluding Jay)	L.S	1	#N/A	402,500	\$402,500
Culverts (Jay)	L.S	1	#N/A	35,000	\$35,000
Powerlines (Excluding Jay)	L.S	1	#N/A	\$534,650	\$534,650
Powerlines (Jay)	L.S	1	#N/A	94,350	\$94,350
Pipelines (Excluding Jay)	L.S	1	#N/A	625,000	\$625,000
Pipelines (Jay)	L.S	1	#N/A	487,200	\$487,200
Bridges	L.S	1	#N/A	270,000	\$270,000
OBJECTIVE: LANDFILL FOR INFRASTRCTURE DEMOLITION WASTE					
Drill Blast Granite Rock	m3	55,227	GRCBLS	3.43	\$189,538
Ripp Granite Rock	m3	43,393	GRRPS	1.11	\$48,296
Load/Long Haul/Spread Compact	m3	197,239	GRCLHSS	6.73	\$1,327,880
OBJECTIVE: RECLAIM PADS, LAYDOWNS, STOCKPILE, & AIRSTRIP					
Scarify Landscape	ha	196	SCFYL	4558.00	\$893,368
Establish Vegetation	ha	98	VEGS	4240.00	\$415,520
Jay Scarify Landscape	ha	17	SCFYL	4558.00	\$77,486
Jay Establish Vegetation	ha	8	VEGS	4240.00	\$33,920
Capital Cost Seeding Equipment	L.S.	1	#N/A	109969.24	\$109,969
Drill Blast Granite Rock for Concrete Slabs	m3	40,332	GRCBLS	3.43	\$138,419
Ripp Granite Rock for Concrete Slabs	m3	31,689	GRRPS	1.11	\$35,270
Cover Concrete Slabs	m3	72,021	GRCLHSS	6.73	\$484,873
OBJECTIVE: LINED SUMPS					
Drill Blast Granite Rock for Concrete Slabs	m3	26,878	GRCBLS	3.43	\$92,244
Ripp Granite Rock for Concrete Slabs	m3	21,118	GRRPS	1.11	\$23,504
Remove liner and place rock cover	m3	47,996	GRCLHSS	6.73	\$323,123
OBJECTIVE: RECLAIM ROADS					
Scarify Access and Haul Roads	ha	166	SCFYL	4558.00	\$756,628
Establish Vegetation on Access and Haul Roads	ha	83	VEGS	4240.00	\$351,920
Dozer Acess and Haul Road Berms	m3	371,158	DSL	1.01	\$373,756
Jay Scarify Access and Haul Roads	ha	16	SCFYL	4,558.00	\$72,928
Jay Establish Vegetation on Access and Haul Roads	ha	8	VEGS	4240.00	\$33,920
Jay Dozer Acess and Haul Road Berms Road Berms	m3	36,211	DSL	1.01	\$36,464
Jay Placement of Esker Material	m3	25000	GRCLHSS	6.73	\$168,309
Subtotal					\$19,208,736

Water Management : <u>All Areas</u>						
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: BREACH EMBANKMENT						
Bearclaw Dam						
Breach dam, dozer, unfrozen	m3	11,202	SC3L	9.43	\$105,677	\$99,695
Breach dam, dozer, frozen	m3	1,977	RC4L	14.31	\$28,288	\$26,686
Rip-rap	m3	512	RR2H	21.89	\$11,218	\$10,583
Transition material	m3	4,503	RR2S	23.08	\$103,915	\$98,033
King Pond Dam						
Breach dam, dozer, unfrozen	m3	4,860	SC3L	9.43	\$45,849	\$43,254
Breach dam, dozer, frozen	m3	0	RC4L	14.31	\$0	\$0
Rip-rap	m3	375	RR2H	21.89	\$8,208	\$7,744
Transition material	m3	1,744	RR2S	23.08	\$40,237	\$37,960
Waste Rock Dam						
Breach dam, dozer, unfrozen	m3	67,575	SC3L	9.43	\$637,503	\$601,418
Breach dam, dozer, frozen	m3	0	RC4L	14.31	\$0	\$0
Rip-rap	m3	731	RR2H	21.89	\$16,006	\$15,100
Transition material	m3	23,389	RR2S	23.08	\$539,699	\$509,150
Two Rock Dam						
Breach dam, dozer, unfrozen	m3	9,916	SC3L	9.43	\$93,550	\$88,255
Breach dam, dozer, frozen	m3	1,750	RC4L	14.31	\$25,042	\$23,624
Rip-rap	m3	379	RR2H	21.89	\$8,290	\$7,821
Transition material	m3	4,244	RR2S	23.08	\$97,919	\$92,377
Two Rock Dike						
Breach dike, dozer, unfrozen	m3	1,154	SC3L	9.43	\$10,891	\$10,274
Rip-rap	m3	357	RR2H	21.89	\$7,814	\$7,372
Transition material	m3	251	RR2S	23.08	\$5,801	\$5,472
Pigeon Outlet Pit Berm						
Breach berm, dozer, unfrozen - 2 areas	m3	784	SC3L	9.43	\$7,396	\$6,978
Rip-rap	m3	165	RR2H	21.89	\$3,612	\$3,407
Transition material	m3	379	RR2S	23.08	\$8,745	\$8,250
East Coffe Dam						
Breach dam, dozer, unfrozen	m3	726	SC3L	9.43	\$6,848	\$6,460
Rip-rap	m3	98	RR2H	21.89	\$2,134	\$2,013
Transition material	m3	366	RR2S	23.08	\$8,436	\$7,958
West Coffe Dam						
Breach dam, dozer, unfrozen	m3	135	SC3L	9.43	\$1,274	\$1,202
Rip-rap	m3	48	RR2H	21.89	\$1,040	\$981
Transition material	m3	89	RR2S	23.08	\$2,059	\$1,943
Breach Jay Dike						
Breach Jay Dike	m3	#N/A	#N/A	#N/A	\$1,719,276	\$1,669,200
Turbidity Curtain	L.S.	#N/A	#N/A	#N/A	\$499,344	\$484,800
Revegetate Shoreline	L.S.	#N/A	#N/A	#N/A	\$231,750	\$225,000
OBJECTIVE: EKATI MINE						
Associated Streams - Re-establish drainage	L.S.	1	#N/A	#N/A	\$344,500	\$325,000
OBJECTIVE: QUARRY SITE						
Regrade and armor channels	L.S.	1	#N/A	#N/A	\$352,980	\$333,000
Subtotal					\$4,975,301	\$4,761,011

Chemicals and Soil Contamination:		<u>All Areas</u>			
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
HAZARDOUS MATERIALS REMOVAL					
Waste batteries	kg	50000	#N/A	0.53	\$26,500
Waste Oils Ship Off Site	liters	840000	ORL	0.42	\$350,169
Glycols Ship Off Site	litre	24000	#N/A	1.33	\$31,800
Paints	litre	1800	#N/A	0.29	\$515
Solvents	litre	9000	#N/A	0.80	\$7,155
Explosives	allow	2	#N/A	10,600.00	\$21,200
HAZARDOUS MATERIALS AUDIT					
Phase (1,2,3) ESA (Drilling and Sampling)	L.S	1	#N/A	795,000.00	\$795,000
CONTAMINATED SOIL REMEDIATION					
Excavate, Load, Haul to Landfarm	m3	35000	SC4L	9.86	\$345,030
Drill Blast Granite Rock	m3	14,000	GRCBLS	3.43	\$48,048
Ripp Granite Rock	m3	11,000	GRRPS	1.11	\$12,243
Backfill Excavations Granite Rock	m3	25,000	GRCLHSS	6.73	\$168,309
Remediate Soil	m3	25,000	CSRL	49.82	\$1,245,500
Technician and Analysis	L.S	1	#N/A	106,000.00	\$106,000
Subtotal					\$3,157,469

Underground Mine Name		<i>Panda</i>		UG Mine #		<u>1</u>
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Portal - bulkhead and cover entrance	L.S.	1	#N/A	64,000	\$64,000	
Cap fresh air raise - concrete cap	L.S.	2	#N/A	78,843	\$157,686	
Subtotal					\$221,686	

Underground Mine Name		<i>Koala</i>		UG Mine #		<u>2</u>	
ACTIVITY/MATERIAL	Unit	Qty	Cost Code	Unit Cost	Cost		
OBJECTIVE: CONTROL ACCESS							
Portal - bulkhead and cover entrance	L.S.	0	#N/A	64,000	\$0		
Cap fresh air raise - concrete cap	L.S.	2	#N/A	78,843	\$157,686		
Subtotal					\$157,686		

Underground Mine Name <u><i>Koala North</i></u>			UG Mine # <u>3</u>		
ACTIVITY/MATERIAL	Unit	Qty	Cost Code	Unit Cost	Cost
OBJECTIVE: CONTROL ACCESS					
Portal - bulkhead and cover entrance	L.S.	1	#N/A	64,000	\$64,000
Cap fresh air raise - concrete cap	L.S.	2	#N/A	78,843	\$157,686
Subtotal					\$221,686

Underground Mine Name		<i>Misery Underground</i>		UG Mine #		<u>4</u>
ACTIVITY/MATERIAL	Unit	Qty	Cost Code	Unit Cost	Cost	
OBJECTIVE: CONTROL ACCESS						
Portal - bulkhead and cover entrance	L.S.	0	#N/A	64,000	\$0	
Cap fresh air raise - concrete cap	L.S.	1	#N/A	78,843	\$78,843	
Subtotal					\$78,843	

Post-Closure Monitoring & Maintenance:		<u>All Areas</u>			
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
OBJECTIVE: MONITORING &REPORTING					
Closure Monitoring and Maintenance	yrs	5	#N/A	159,000.00	\$795,000
Site Wide (AEMP & SNP)- Primary Reclamation	yrs	5	#N/A	371,000.00	\$1,855,000
Site Wide (AEMP & SNP)- Closure Monitoring	yrs	10	#N/A	185,500.00	\$1,855,000
Site Wide (AEMP & SNP)- Pit Flooding Program	yrs	0	#N/A	31,800.00	\$0
During Pit Flooding - Pit Water Quality Monitoring (SNP)	years*pit lake	49	#N/A	21,200.00	\$1,038,800
Post Flooding - Pit Water Quality Monitoring (AEMP & SNP)	years*pit lake	80	#N/A	31,800.00	\$2,544,000
Panda Diversion Inspections	yrs	10	#N/A	\$1,590	\$15,900
Geotechnical Inspections (Land)	yrs	15	#N/A	63,600.00	\$954,000
Geotechnical Inspections (Permafrost)	yrs	15	#N/A	53,000.00	\$795,000
Air Quality Monitoring Program (AQMP)	yrs	15	#N/A	31,800.00	\$477,000
Wildlife Effects Monitoring Program (WEMP)	yrs	15	#N/A	127,200.00	\$1,908,000
LLCF Vegetation Monitoring (VMP)	yrs	15	#N/A	\$79,500	\$1,192,500
Site Vegetation Monitoring (VMP)	yrs	15	#N/A	38,160.00	\$572,400
Seepage Monitoring Program	yrs	15	#N/A	71,550.00	\$1,073,250
Archaeology Monitoring Program	yrs	8	#N/A	\$10,600	\$84,800
Jay Turbidity Monitoring	LS	1	#N/A	321,360.00	\$321,360
Pit Flooding Annual Staff (5 Labourers)	hrs	34857	lab-ush	42.40	\$1,477,957
Helicopter Support (Yrs 1-5)	yrs	5	#N/A	125,000	\$625,000
Helicopter Support (Yrs 6-10)	yrs	5	#N/A	75,000	\$375,000
Panda Dam Long Term Monitoring	N/A	N/A	N/A	N/A	\$106,944
Subtotal					\$18,066,911

Mobilization:		<u>All Areas</u>			
ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
MOBILIZE EQUIPMENT * & MATERIALS					
Pipe Shipping	m	20,500	#N/A	15	\$304,220
Pipe Shipping (Sable)	m	3,700	#N/A	15	\$54,908
Pump Shipping	each	5	#N/A	2650	\$13,250
Pump Shipping (Sable)	each	1	#N/A	2650	\$2,650
Minor Tools and Equipment (Including Vegetation)	L.S.	1	#N/A	106,000	\$106,000
Excavators, 3	L.S.	1	#N/A	39,973	\$39,973
Dump Trucks, 12	L.S.	1	#N/A	215,235	\$215,235
Dozers, 3	L.S.	1	#N/A	399,722	\$399,722
Demolition Shears, 2	L.S.	1	#N/A	26,648	\$26,648
Crane, 3	L.S.	1	#N/A	39,973	\$39,973
*Truck Tires	L.S.	1	#N/A	53,000	\$53,000
DEMobilize EQUIPMENT					
Excavators, 3	L.S.	1	#N/A	39,972	\$39,972
Dump Trucks, 12	L.S.	1	#N/A	215,235	\$215,235
Dozers, 3	L.S.	1	#N/A	399,722	\$399,722
Demolition Shears, 2	L.S.	1	#N/A	26,648	\$26,648
Crane, 3	L.S.	1	#N/A	39,973	\$39,973
MOBILIZE CAMP					
Reclamation Activities Camp	allow	1	#N/A	159,000	\$159,000
Pit Flooding Camp	allow	1	#N/A	79,500	\$79,500
MOBILIZE WORKERS					
Reclamation Activities Airfare (two flights a week)	each	416	DSH7S	9646	\$4,012,736
Pump Flooding Airfare (one flight a week)	each	0	FLTSS	4,770.00	\$0
Monitoring Airfare (6 flights a year)	each	60	FLTSS	4770	\$286,200
MOBILIZE FUEL					
Fuel Freight (Open Pit Pump Flooding)	litre	17,458,333	FLMBS	0.22	\$3,823,375
Winter Road Usage (Open Pit Pump Flooding)	tonnes	14,525	WRS	118.6434275	\$1,723,335
Fuel Freight (Sable Pit Pump Flooding)	litre	4,390,000	FLMBS	0.22	\$961,410
Winter Road Usage (Sable Pit Pump Flooding)	tonnes	3,652	WRS	118.6434275	\$433,343
Fuel Freight (Reclamation Activities Equipment)	litre	16,500,000	FLMBS	0.219	\$3,613,500
Winter Road Usage (Reclamation Activities Equipment)	tonnes	13,728	WRS	118.6434275	\$1,628,737
WORKER ACCOMODATIONS					
Primary Reclamation Activities	manday	248960	ACCMS	99.84	\$24,856,166
Pit Pump Flooding	manday	0	ACCML	104.00	\$0
INTERIM CARE & MAINTENANCE					
Interim Care & Maintenance	annual	3	#N/A	\$2,357,057	\$7,071,172
FINAL CLOSURE PLAN					
Preparation of final Closure Plan	L.S.	1	#N/A	1,060,000	\$1,060,000
PUMP FLOODING AND VEGETATION STAFF					
Pit Flooding Annual Staff (5 Labourers)	hrs	81333	lab-ush	42.40	\$3,448,566
Vegetation Labour	hrs	29,190	lab-usl	39.74	\$1,159,993
Subtotal					\$56,294,162

Risidual Risks

All Areas

ACTIVITY/MATERIAL	Units	Quantity	Cost Code	Unit Cost	Cost
RESIDUAL RISK ITEM					
Misery WRSA Covering	L.S.	1	#N/A	#N/A	1,742,218
Panda Diversion Channel	L.S.	1	#N/A	#N/A	696,211
Subtotal					\$2,438,429

ITEM	COST CODE	UNITS	LOW \$	HIGH \$	SPECIFIED \$	COMMENTS
Granite Rock Capping						
Drill Blast Granite Rock (Remined Rock)	GRCBL	m3	#NA	#NA	3.43	
Drill Blast Granite Rock (Intact Rock)	GRCBL2	m3	#NA	#NA	5.49	
Ripping Granite Rock	GRRP	m3	#NA	#NA	1.11	Using DRL value
Load/Long Haul/Spread Compact	GRCLHS	m3	#NA	#NA	6.73	Ekati Internal
Load/Short Haul/Spread Compact	GRCSHS	m3	#NA	#NA	6.40	Ekati Internal
Fuel						
Fuel Operating Cost Automotive	FLOA	litre	0.99	1.39	1.05	Based on internal operating data and including automotive tax
Fuel Operating Cost Non -Automotive	FLONA	litre	0.99	1.39	0.92	Based on internal operating data excluding automotive tax
Fuel Mobilization	FLMB	litre	0.22	0.42	0.22	Based on internal operating data for freight from edmonton to ekati excluding winter road
Dozing						
Doze Rock piles	DR	m3	1.11	2.54	#N/A	LOW cost: doze crest off dump
Doze overburden/Soil piles	DS	m3	1.01	3.80	#N/A	HIGH cost: push up to 300 m
Excavate Rock, Controlled						
RC1 (Drill, blast, load, short haul (<500m) Dump	RC1	m3	12.77	18.87	#N/A	low - foundation excavation, high - spillway excavation
RC1 (Drill, blast, load, short haul (<500m) Dump + spread and compact	RC3	m3	13.46	19.50	#N/A	LOW Reclaim Default value designated for blasting of frozen core dams and short haul
RC1 + long haul + spread and compact	RC4	m3	14.31	20.35	#N/A	LOW Reclaim Default value designated for blasting of frozen core dams/access ramps and long haul
Drill and Blast (Specified Activity)	RCS	m3	#N/A	#N/A	7.95	2004 RCSL value for low specified, blast & doze pit rim)
Excavate Rip Rap						
RR1 (Drill, blast, Load Short Haul (<500 m) Dump and Spread + Long Haul	RR2	m3	15.05	21.89	23.08	HIGH cost: quarry & place rip rap in channel SPECIFIED for transational material average of sand and rip rap
Excavate Soil, Controlled						
SC1 (Excavate, Load, Short Haul (<500 m), Dump) + Spread and Compact	SC3	m3	9.43	15.05	#N/A	LOW Reclaim Default value designated for breaching dykes and excavations and short haul
SC1 (Excavate, Load, Long Haul (<500 m), Dump) + Spread and Compact	SC4	m3	9.86	24.59	#N/A	LOW Reclaim Default value designated for breaching dykes and excavations and long haul
SC1 (Excavate, Load, Short haul (<500 m), Dump) + Specified activity	SCS	m3	#N/A	24.26	18.39	SPECIFIED cost: backfill adit with waste rock, High - sand bedding layer for liners
Produce and Place Littoral Substrate	SCST	m3	#VALUE!	#VALUE!	24.17	Internal Estimate 2011 EBA \$16.27 produce + \$ 6.53 average for placement)
Produce and Plate Littoral Sediment Berm	SCSB	m3	#VALUE!	#VALUE!	25.66	Internal Estimate 2011 EBA \$10.85 produce + \$ 13.36 average for placement)
Excavate Soil; Low Spec's and QA/QC						
excavate/load/short haul + spread and compact	SB3	m3	5.41	9.43	11.24	Low: non-engineered; High:engineered
Scarify						
Scarify Road	SCFY	ha	4,558.00	6,391.80	2279	LOW Reclaim Default
Vegetation						
Hydroseed, Flat	VHF	ha	4,240.00			
Site Wide Vegetation	VEG	ha			4,240.00	
Excavate Soil, Bulk						
Construct and Reshape Berm	SBSB	m3	3.39	6.68	4.22	
Concrete work						
Small pour, Formed	CSF	m3	452.09	678.14	#N/A	LOW Reclaim value used for Spillway Construction
Signs and Fence						
Signs and Fence	FS	each	#VALUE!	#VALUE!	10,600.00	Based on internal estimate per pit
Oil						
Remove from site	OR	litre	0.46	1.27	1.51	LOW Reclaim Default Value
Remediate on site	CSR	m3	49.82	154.76	#N/A	LOW cost: bio-remediate on-site. HIGH cost: ship off-site to landfill as haz. waste
Winter Road						
Usage Rate	WR	tonnexkm	#N/A	#N/A	118.64	Calculated from a rate of \$0.2907 tonne/km multiplied by 385 distance from Yellowknife to Ekati
Mobilize Workers						
Dash 7 Flight	DSH7	each	4770.00	9646.00	9,646.00	Ekati Cost
10 person plane	FLTS	each	4770.00	9646.00	4,770.00	AANDC Interim Care and Maintenance Value
Accommodation						
Primary Reclamation Activities	ACCM	manday	104.00	182.00	99.84	
Typical Labour & Equipment Rates						
labour - unskilled	lab-us	\$/hr	39.74	42.40		

APPENDIX E - Proof of Registration/Certificate of Good Standing for Permit or Licence Application

- On March 19, 2020 the majority of Government of the Northwest Territories (GNWT) employees began working from home due to COVID-19 pandemic precautions. This situation impacts various government programs and services, including obtaining documentation from Corporate Registries.

Corporate Registries

Corporate Registries
Legal Registries, [Department of Justice,](#)
[Government of the Northwest Territories](#)
1st Floor Stuart M. Hodgson Building, 5009 49th Street, PO Box 1320,
Yellowknife NT X1A 2L9 Canada
✉ corporateregistries@gov.nt.ca ☎ [1-867-767-9304](tel:1-867-767-9304)
☎ [1-877-743-3302](tel:1-877-743-3302) toll free 📠 1-867-873-0243
🕒 9:30 AM to 4:00 PM Monday to Friday


 **The Corporate Registry offices are closed for the immediate future due to social distancing and health and safety precautions. The Corporate Registry System (CROS) is still accessible for searches. Searches will be current up to March 10,2020.**

Figure 1 - Screen shot from Corporate Registries Website, April 1, 2020.

- Dominion attempted to contact Corporate Registries on March 24, 2020 and received the following in an email from staff:

“Nothing is being received, reviewed or filed while we are closed. All filings are up to date to March 11, 2020 so anything that came in after that will be processed when we reopen. Thank you!”

- Corporate Registry Online System (CROS) indicates the following in terms of how current the information found in this system is:

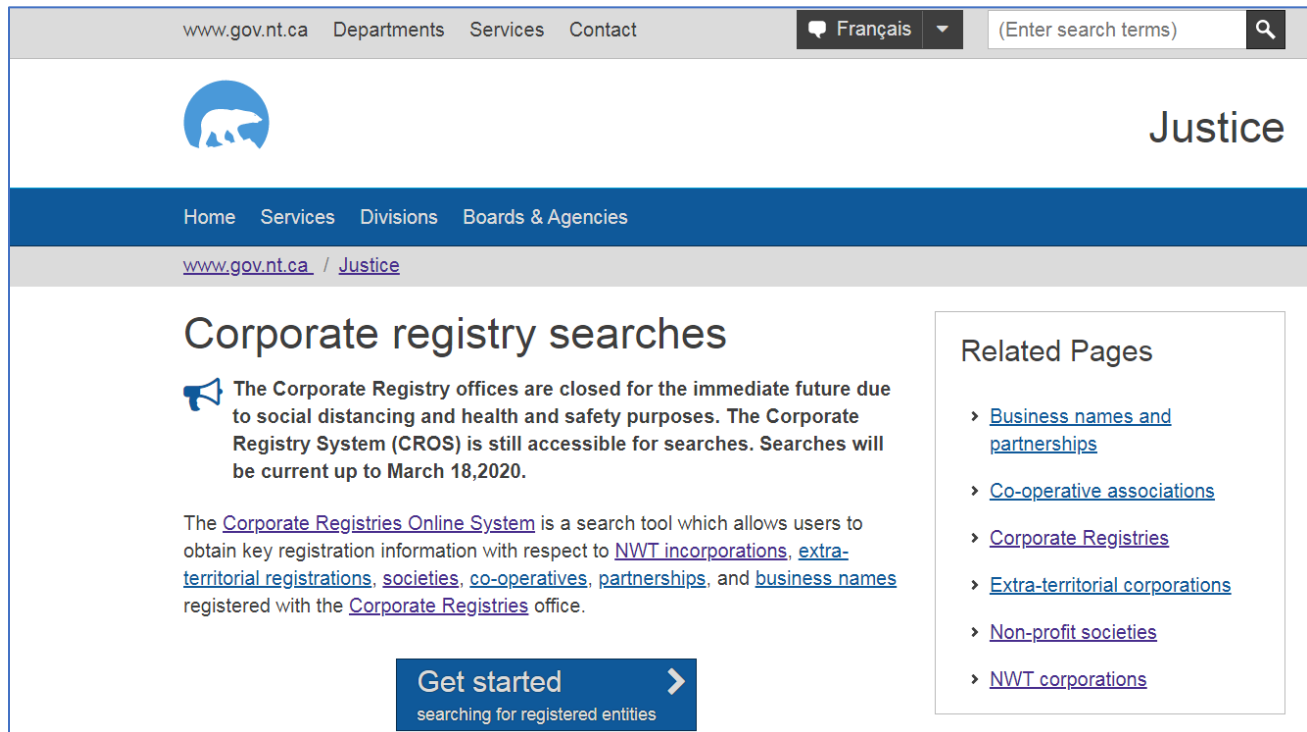


Figure 2 – GNWT CROS system screen shot, April 1, 2020.

- A search of the CROS system reveals that Dominion Diamond Mines ULC is “In Compliance”. Note that this search was conducted on April 1, 2020 while accessing the system as a guest.

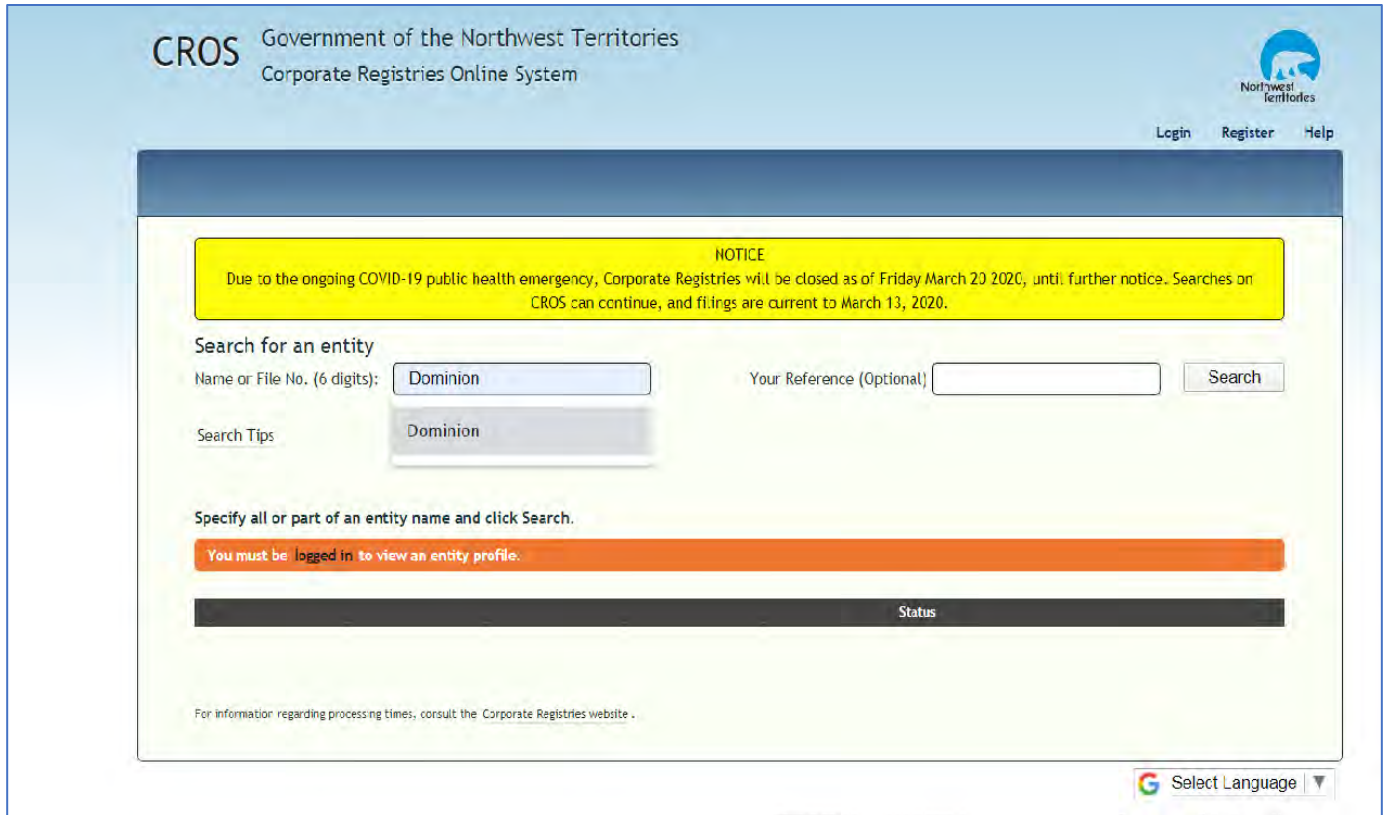


Figure 3- Accessing the CROS system; searching for Dominion records, signed in as a guest, April 1, 2020.

DOMINION DIAMOND MINES ULC	Extra-Territorial Corporation	612044	BRITISH COLUMBIA		Amalgamated	Login to view
DOMINION DIAMOND MINES ULC	Extra-Territorial Corporation	612315	BRITISH COLUMBIA		Amalgamated	Login to view
DOMINION DIAMOND MINES ULC	Extra-Territorial Corporation	612636	BRITISH COLUMBIA		In Compliance	Login to view
DOMINION BRIDGE COMPANY LIMITED	Extra-Territorial Corporation	600351	CANADA	Former Name	Amalgamated	Login to view
DOMINION BRIDGE COMPANY LIMITED/I/A	Extra-Territorial Corporation	600351	CANADA	Former Name	Amalgamated	Login to view

Figure 4 - CROS search results for Dominion, "In Compliance", April 1, 2020.