



Department of Energy, Mines & Resources
PO Box 2703, Whitehorse, Yukon Y1A 2C6



November 29, 2024

File No: LQ00449a

Arcus Development Group
1016-510 West Hastings Street
Vancouver, British Columbia V6B 1L8

Dear Sir/Madam:

Re: Class 3 Quartz Mining Land Use Approval

Your application to add claims to replace lapsed claims under this Class 3 approval has been approved and is subject to the attached conditions. The effective date of this approval will be November 29, 2024. All work, including restoration, must be completed by August 7, 2026, and inspected before full security and/or completion certificates can be applied for.

The attached 'Operational Guidelines' offer additional mitigations that would enable you to maximize the environmental performance of your program, but are not approval conditions.

Please ensure that pre-season and post-season reports are provided before and after each exploration season. Pre- and post-season reports assist the Mineral Resources Branch in monitoring exploration activity and reclamation. Not providing reports may result in additional security being required.

Please feel free to contact our office at 867-993-5343 should you have any questions.

Regards,

Paul Inglis
Manager, Mining Land Use

cc: EMR Natural Resources Officer, Compliance Monitoring and Inspections
ENV Environmental Affairs, Environmental Protection Branch



MINING LANDS
MINERAL RESOURCES BRANCH
GOVERNMENT OF YUKON

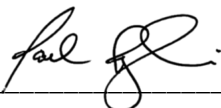
Pursuant to the *Quartz Mining Act* and *Quartz Mining Land Use Regulation*, the Manager, Mining Land Use hereby grants a Class 3 approval to:

Arcus Development Group
1016-510 West Hastings Street
Vancouver, British Columbia V6B 1L8

APPROVAL NUMBER:	LQ00449a
PROPERTY NAME:	Touleary
UNDERTAKING:	Quartz
CLASS:	Class 3 Approval
EFFECTIVE DATE:	November 29, 2024
EXPIRY DATE:	August 7, 2026 or until another Quartz Mining Land Use approval is issued, whichever occurs first

This approval shall be subject to the restrictions and conditions contained herein and to the restrictions and conditions contained in the *Quartz Mining Act* and the *Quartz Mining Land Use Regulation* made there under as proposed in Mining Land Use Application.

Dated this November 29, 2024



Paul Inglis
Manager, Mining Land Use

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APPROVAL
Class 3**

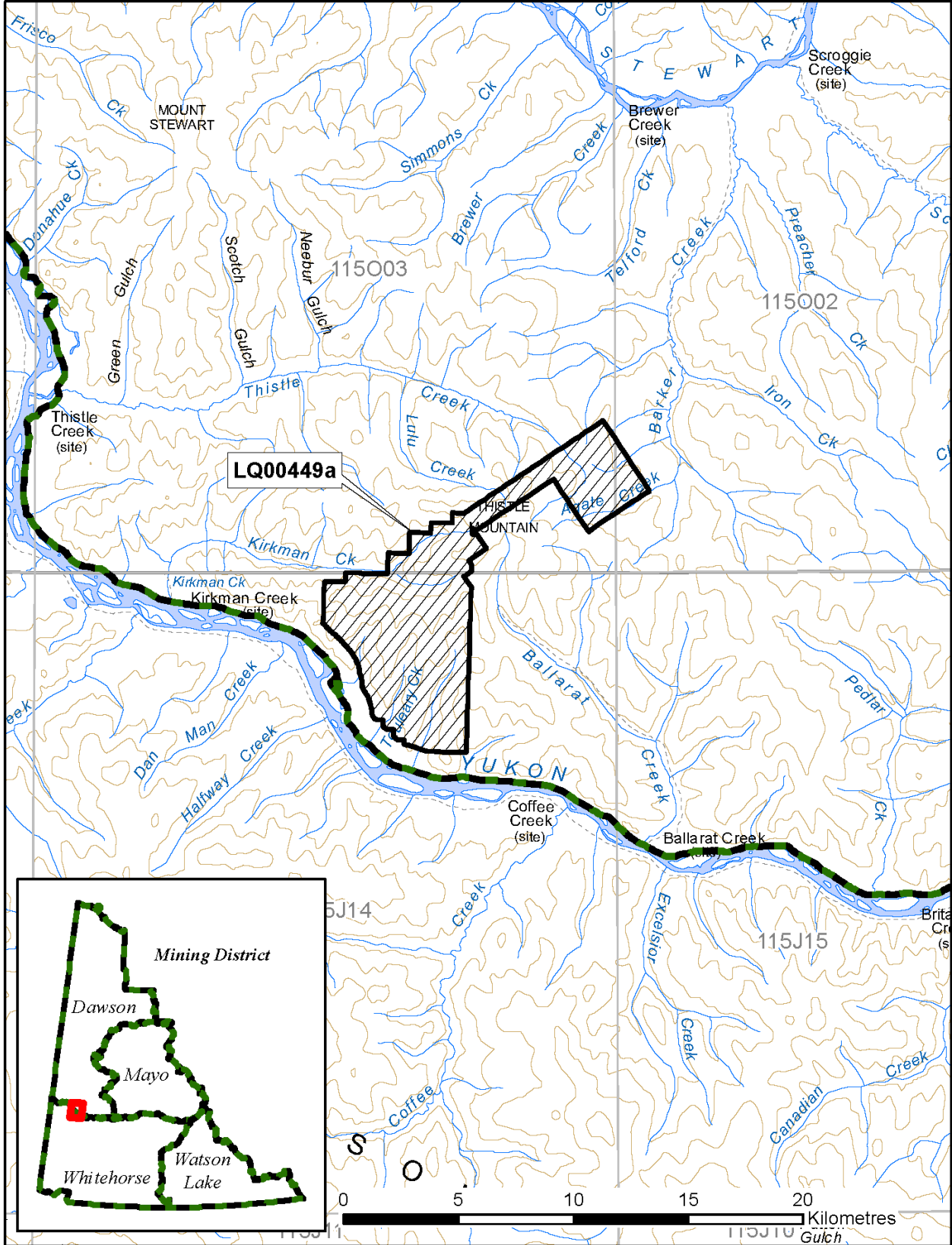
SCOPE OF APPROVAL:				
Claim Status Report (Appendix A)		LQ00449a		
Operating Season	June 1 – October 30	341 Arcus Development Group		
PROJECT ACTIVITIES (ON-CLAIM):				
USE OF VEHICLES/EQUIPMENT				
Use of vehicles on existing roads or trails				<input type="radio"/> No <input checked="" type="radio"/> Yes
Gross vehicle weight		On-roads: less than 40 t, or within the design tolerances of the road	On-trails: Less than 20 t, or within the design tolerances of the trail	
Off-road use of vehicles in summer				<input checked="" type="radio"/> No <input type="radio"/> Yes
Off-road use of vehicles in winter				<input checked="" type="radio"/> No <input type="radio"/> Yes
NEW & EXISTING ACCESS				
Upgrading of existing access	<input type="radio"/> No <input type="radio"/> Yes	Length: x km	Width: x m	
New roads	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 10 km	Width: 4 m	
New trails	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 25 km	Width: 4 m	
New temporary trails	<input checked="" type="radio"/> No <input type="radio"/> Yes	Length: 0 km	Width: 0 m	
Other new access:				
LINES & CORRIDORS				
Lines	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 30 km	Width: 1 m	
Corridors	<input checked="" type="radio"/> No <input type="radio"/> Yes	Length: 0 km	Width: 0 m	
SITE PREPARATION				
Number of clearings per claim: 25		Area: 179,350 m ² ; includes drill pads 100m ² /pad, trenches, heli-pads, camps, roads & Trails.		
Number of clearings for helicopter pads and camps: 6 helipads, 2 camps		Area: 150m ² /heli-pad, 450m ² /camp		
Removal of the vegetative mat				<input type="radio"/> No <input checked="" type="radio"/> Yes
EXPLORATION TRENCHING & BULK SAMPLING				
Hand-dug				<input checked="" type="radio"/> No <input type="radio"/> Yes
Mechanized				<input type="radio"/> No <input checked="" type="radio"/> Yes
Number: 100	Length: 100 m	Width: 2 m	Depth: 2 m	Total volume: 40,000 m ³
Bulk sampling			<input checked="" type="radio"/> No <input type="radio"/> Yes	Amount/year: 0 tonnes
Explosives		<input checked="" type="radio"/> No <input type="radio"/> Yes	Total amount: 0 kg	Max. in 30 days: 0 kg

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EXPLORATION DRILLING		
TYPE	NUMBER OF HOLES	DEPTH (m)
Reverse Circulation	50	10,000
Diamond	300	10,000
Rotary Air Blast	50	10,000
FUEL STORAGE		
FUEL TYPE	STORAGE TYPE & CAPACITY	TOTAL VOLUME
Diesel	205 L Drum	20,000 L
Gasoline	205 L Drum	2,000 L
Propane	100 lb	2,000 lb
Jet Fuel	205 Drum	5,000 L
FACILITIES & STRUCTURES		
Camp structures: two camp locations, tent frame structures. Use of pit privies		
Number of persons in camp at any one time: 30	Number of person days: 3,000	
Construction of underground structures		<input checked="" type="radio"/> No <input type="radio"/> Yes

All other applicable legislation, regulations, laws, by-laws and ordinances must be complied with. Additional authorizations or approvals may be required. Any doubt as to whether an additional authorization or approval is required should be verified by a duly authorized official at the appropriate government body or bodies.

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DEFINITIONS

“**Act**” means the Quartz Mining Act, S.Y. 2003, c.14;

“**Access road**” means a road that provides access to a public highway or to a private road;

“**Adverse effects**” of an exploration program means its adverse environmental or socio-economic effects and any adverse effects it may have on the existing or asserted aboriginal or treaty rights of any First Nation;

“**Manager**” means the Chief, Mining Land Use designated pursuant to the Act;

“**Clearing**” means an area that is cleared of trees, brush or vegetative mat for the purpose of establishing a campsite or carrying out mining exploration, but does not include an area cleared for the purpose of establishing a corridor or trail;

“**Corridor**” means a path from which trees and brush have been cut to accommodate a water line, fuel line or power line;

“**Effective date**” means the date this Approval comes into force as evidenced by the date of the signature of the Manager, Mining Land Use;

“**Exploration program**” means any activity or group of activities undertaken for the sole or principal purpose of assessing land for its suitability for the production of minerals;

“**Foundation**” means the part of a structure that penetrates the ground and supports the structure;

“**Isolated road**” means a road that does not provide access to a public highway directly or through a private road;

“**Inspector**” means an inspector designated pursuant to the Act;

“**Line**” means a line cut for the purpose of carrying out a geophysical, geological, or engineering survey;

“**Low ground pressure vehicle**” means a vehicle that applies 35 kPa of pressure or less to the ground surface;

“**Operator**” means a person who is engaging in an exploration program, or in development or production;

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“Person-day” in respect of the use of a campsite, means the use of the campsite by one person during a period of 24 hours;

“Response” means a notice given by the Manager, Mining Land Use that indicates whether or not an exploration program may be carried out or that extends the time for the Manager, Mining Land Use review of a Notification or operating plan;

“Road” means a pathway for vehicular traffic the construction of which requires the movement of rock or earth;

“Site” means the area bounded by the sum of the mineral claims described above under ‘Scope of Approval’;

“Summer” means the period of a year that is not winter;

“Trail” means an access to a site within a claim or lease that is constructed with little or no movement of rock or earth; and

“Trenching” means excavation carried out on a mineral claim for the purpose of obtaining geological information;

“Upgrading”, in relation to a road, means re-establishing a road that has not been useable for more than five years by vehicles of a type the road was originally designed to serve, modifying a road to provide usability for vehicles that are of a different type than those for which the road was originally designed to serve and any other upgrading or modifying of a road, other than for maintenance or erosion control;

“Vegetative mat” means the organic surface of soil, characterized by the accumulation of organic matter, or partly decomposed organic matter, derived mainly from leaves, twigs, and woody materials, and includes the root mass of living vegetation;

“Winter” means the period of the year during which (a) the ground is frozen sufficiently to support a vehicle, other than a low ground pressure vehicle, without rutting or gouging of the surface; and (b) there is a sufficient amount of snow on the ground to produce a packed base of 10 cm.

PART ONE – GENERAL REQUIREMENTS

Duration of Approval

- 1.0 This approval is valid upon signature of the Manager, Mining Land Use until the expiry date. In the event that claims lapse, or that agreements to operate on claims are dissolved, the approval becomes null and void for that portion of the operating plan, where there is no right to the minerals.
- 1.1 All outstanding reclamation continues to be the responsibility of the operator.

Compliance with Operating Conditions

- 1.2 All mineral exploration activities must comply with the Operating Conditions contained in Schedule 1 of the *Quartz Mining Land Use Regulation* and within the approval. Where there is a difference between the operating conditions and approval, the terms of this approval shall prevail. These Operating Conditions are enforceable.

Reporting Requirements

Contact Information

- 1.3 Submissions and reports to the Manager, Mining Land Use should be made to both the following addresses:

Manager, Mining Land Use
Box 2703, K-9
Whitehorse, Yukon
Y1A 2C6

Mining Lands Officer
Box 249
Dawson City, YT Y0B 1G0
dawson.mining@gov.yk.ca

- 1.4 The contact for the operator will be:

Arcus Development Group
1016-510 West Hastings Street
Vancouver, British Columbia V6B 1LB
Ph: 604-687-2522
Email: ian@arcusdevelopmentgroup.com

Pre-season and Post-season Reporting

- 1.5 A pre-season report shall be submitted no later than March 31st outlining the exploration activities planned for the season including the proposed locations.
- 1.6 A post-season report shall be submitted no later than December 31st indicating exploration activities completed during that season. This report shall include but is not limited to:
- detailed mapping of all areas worked;
 - location of new construction;
 - shp files of new areas of disturbance;
 - map data, in the form of SHP files or GIS compatible, of all new roads and trails;
 - map data, in the form of SHP files or GIS compatible, of all reclaimed roads and trails;
 - areas of permafrost encountered;
 - total disturbed area;
 - pre-activity survey results, if applicable;
 - reclamation activities (including photos); and
 - documentation produced by environmental monitors.

* Spatial data (in the form of shapefiles or other GIS compatible file) shall be attributed with the type of feature (e.g. road, trail, drill pad etc.), their width (in metres, for linear features only), ground surface type, date of capture, and method of capture used to delineate new disturbance (e.g. digitized from satellite/aerial imagery, GPS point collection etc.). Spatial data shall be provided in NAD83 or Yukon Albers projection.

- 1.6 The operator shall contact the Klondike Mining Inspections Office (Compliance, Monitoring and Inspections) at (867) 993-7300 at least 14 days prior to commencing the field season.
- 1.7 The operator shall contact the Klondike Mining Inspections Office (Compliance, Monitoring and Inspections) at (867) 993-7300 at least 14 days prior to leaving the site at the end of the operation.

Spill Reporting

- 1.8 All spills must be reported immediately to the 24-Hour Yukon Spill Reporting Line (867) 667-7244 and to the Klondike Mining Inspections Office (Compliance, Monitoring and Inspections) at (867) 993-7300.
- 1.9 An operator who takes an emergency remedial measure shall, as soon as possible but not later than 10 days after taking it, send a written report to the Manager, Mining Land Use describing the duration, nature and extent of the emergency and the measures taken to respond to it.

Heritage Reporting

- 1.10 All paleontological resources uncovered during operations shall be reported to the Yukon Paleontology Program, Government of Yukon in Whitehorse at (867) 667-8089 or (867) 667-5386 and the Manager, Mining Land Use.
- 1.11 All archaeological resources uncovered during operations shall be reported to the Yukon Archaeology Program, Government of Yukon in Whitehorse at (867) 667-3771 or (867) 667-5386 and the Manager, Mining Land Use.
- 1.12 The report(s) developed for Section(s) 2.26-2.27, shall be submitted to Government of Yukon – Heritage Resources Unit, Cultural Services Branch.

Wildlife Reporting

- 1.13 All incidents with wildlife shall be reported to the District Conservation Officer in Dawson (Northern Region) at (867) 993-5492. As well as any other communication should be contacted.

PART TWO – PROJECT SPECIFIC OPERATING CONDITIONS

Schedule 1 Operating Conditions (Appendix B)

The operator is bound by the Schedule 1 Operating Conditions per the *Quartz Mining Land Use Regulation*. In addition to the Schedule 1 Operating Conditions, the operator must also comply with the following terms and conditions:

Erosion Control and Permafrost

- 2.0 The operator shall insulate the ground surface beneath all temporary structures and temporary facilities used in the project where permafrost is present to:
- a) prevent any vegetation from being removed; and
 - b) prevent the ground from settling or eroding.

Trenching

- 2.1 Trenches shall be backfilled and/or sloped at one end to avoid entrapment of wildlife.
- 2.2 The operator must ensure that all employees and contractors working at the trench sites are aware of the operating conditions for trenching.

Solid Waste

- 2.3 The operator shall keep all garbage, including kitchen waste, in a container that prevents access by bears and other wildlife, until properly disposed of in accordance with the *Solid Waste Regulations*.

2.4 When burning kitchen waste on site it must be burned regularly to reduce odours that might attract wildlife and be burned to ash by forced air or fuel fired incineration.

Petroleum Fuel and Hazardous Substances

2.5 The operator shall, with indelible marker or paint, clearly identify the owner, the contents and the date on fuel drums to establish and manage ownership and responsibility.

2.6 All fuel cache(s) must be protected with an earthen berm or suitable barrier and flagged to prevent spills resulting from accidental contact with heavy equipment. Flags should be visible above the snow pack.

2.7 The location of any spills shall be clearly marked until cleanup has taken place. Location markings shall not be removed until directed in writing by an Inspector.

Drilling

2.8 The operator must ensure that all employees and contractors working at the drill sites are aware of the operating conditions for drilling.

Reclamation

2.9 The operator shall ensure that annual reclamation efforts are successful in re-establishing the vegetative mat and community.

2.10 At the expiry of the Mining Land Use Approval, all new access (roads and trails) must be left in a condition conducive to revegetation.

2.11 The operator should incorporate the best management practices found in Environment Yukon's Best Management Practices for Works Affecting Water in Yukon (http://www.env.gov.yk.ca/publicationsmaps/documents/bestpractes_water.pdf) and Yukon Chamber of Mines Yukon Mineral and Coal Exploration Best Management Practices and Regulatory Guide (http://www.yukonminers.ca/images/BMP_RG_October28_REVISED_WebFile.pdf) when working around water, as applicable.

2.12 The operator shall contact the Yukon Department of Environment – Habitat Programs Branch for information on the exact location of mineral licks in the project area (867-667-3645).

Vegetation

2.13 The operator shall remove any foreign soil and plant material from equipment prior to moving it into the project area.

2.14 The operator shall minimize disturbance to lichen within the project area to the greatest extent possible.

2.15 The operator shall familiarize themselves with Yukon invasive species and how to manage them by referring to the Yukon Invasive Species Council (YISC) document "Why Should I Care About Invasive Species?", located here: http://www.yukoninvasives.com/pdf_docs/WhyshouldIcare2011_sm.pdf

2.16 The operator should report the presence of any invasive plants that are listed on the website (<http://www.env.gov.yk.ca/wildlifebiodiversity/invasiveplants.php>) to the Yukon Conservation Data Centre (at 867-667-5331 or Toll free at 1-800-661-0408 local 5331).

Access

2.17 When safe to do so, all flights shall be conducted at a horizontal distance of > 1 km from sheep range during the lambing season (May 1st to June 15th).

Wildlife

2.18 The operator shall contact the Government of Yukon, Department of Environment – Habitat Programs Branch for information on the location of raptor nesting sites (867-667- 3645).

2.19 The operator shall contact the Yukon Department of Environment – Habitat Programs Branch for information on the exact location of mineral licks in the project area (867-667-3645).

2.20 The operator shall not conduct exploration activities within 1 km of nesting raptors from May 1 – July 31 of each year.

2.21 If active migratory bird nests are discovered during project activities, activities shall be postponed in the area until nesting is completed. Written permission may be obtained from Government of Yukon, Environment to disturb nests on non-migratory birds.

2.22 The operator shall suspend exploration activities if groups of 50 caribou or greater are within 1 km of active work areas. Caribou shall be given the right of way if encountered on roads and trails.

2.23 The operator shall report any incidents involving wildlife to the Dawson Conservation Officer (867-993-5492) and report when bears are frequenting the camp area for advice on further mitigation.

2.24 The operator shall report any sightings of caribou within the project area to the Dawson Regional Biologist at (867) 993-6461.

2.25 The operator shall maintain a detailed wildlife log for submission to the Manager, Mining Land Use annually.

Heritage

- 2.26A heritage resources overview assessment be completed in advance of ground disturbing activities. Areas with elevated potential for the presence of archaeological or historic sites shall be avoided until such time as a heritage resources impact assessment can be completed.
- 2.27A heritage resources impact assessment be completed in advance of ground disturbing activities in areas with elevated potential for the presence of archaeological or historic sites.
- 2.28 Upon discovery of a heritage resource the operator shall notify the Heritage Department of Tr'ondëk Hwëch'in and Selkirk First Nation, in addition to Government of Yukon, Manager, Mining Lands and Yukon Heritage.
- 2.29 Road construction and quartz exploration activities should follow acknowledged Best Management Practices for Heritage Resources, such as: Tr'ondëk Hwëch'in Best Practices for Heritage Resources (www.trondek.ca/downloads/THBestPractices.pdf) .

Other Resource Users

- 2.30 The operator shall contact both Selkirk First Nation and Tr'ondëk Hwëch'in to discuss the types and timing of traditional/recreational land uses in the immediate area of the Project to minimize land-use conflicts.
- 2.31 The operator shall contact the trappers using the Registered Trapping Concessions that overlap with the Project to minimize land-use conflicts and to identify areas where there may be traps, snares and other trapping equipment in order to avoid any infrastructure during the Project. Contact YG Department of Environment at 867-667-5600 to acquire trapper contact information.

PART THREE – RECLAMATION AND/OR DECOMMISSIONING

- 3.0 Reclamation and/or decommissioning shall be progressive in nature where possible and will occur prior to the expiry of the exploration program or prior to the expiry of this approval, whichever comes first, according to standards outlined in the operating conditions, unless otherwise specified by the Manager, Mining Land Use.
- 3.1 Debris, equipment, fuel barrels, scrap metal and other waste at the work site shall be completely disposed of, so as not to attract wildlife, by removal to an authorized disposal site at the cessation of the exploration program or prior to the expiry of the approval, whichever comes first.

- 3.2 Structures must be removed and the site restored at the end of the exploration program or prior to the expiry of this approval, whichever comes first, to a level of utility comparable to its previous level of utility.
- 3.3 If an amendment to this approval or new approval is granted, for the claims within the scope of this approval (Appendix A), all outstanding reclamation continues to be the responsibility of the operator.

PART FOUR – OTHER MATTERS

- 4.0 Security may be required at any time by the Manager, Mining Land Use. The operator must furnish security within thirty (30) days of receiving the written notice from the Manager, Mining Land Use of the requirement to post security.
- 4.1 Notice of Schedule III must be provided to the Yukon Water Board ten (10) days prior to use of water.
- 4.2 Attached (Appendix C) are the commitments that form part of this operating plan.
- 4.3 Pages 2 and 3 of this Approval are a list of the approved exploration activities. These activities are the total amount approved for the full duration of LQ00449 and LQ00449a, from August 8, 2016 to August 7, 2026. No part of LQ00449a shall be interpreted as an increase in activities allowed under LQ00449.

APPENDIX A

Claim Status Report

Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s	Grouping	Permit	Settlement Land
TL 1 - 109	YC76097 - YC76205	2025/04/29	Arcus Development Group	100.00	115O03, 115J14		LQ00449a	
TL 110 - 183	YC93602 - YC93675	2025/04/29	Arcus Development Group	100.00	115O03		LQ00449a	
TTL 17 - 48	YF91847 - YF91878	2024/11/21	Arcus Development Group	100.00	115J14		LQ00449a	
TTL 148 - 158	YF91978 - YF91988	2024/11/21	Arcus Development Group	100.00	115J14		LQ00449a	
TTL 1 - 16	YF91831 - YF91846	2024/11/21	Arcus Development Group	100.00	115J14		LQ00449a	
TTL 49 - 147	YF91879 - YF91977	2024/11/21	Arcus Development Group	100.00	115J14, 115O03		LQ00449a	

Criteria(s) used for search:

CLAIM DISTRICT: DAWSON CLAIM NAME: TTL CLAIM STATUS: ACTIVE & PENDING REGULATION TYPE: QUARTZ

Left column indicator legend:

- R - Indicates the claim is on one or more pending renewal(s).
- P - Indicates the claim is pending.

Right column indicator legend:

- L - Indicates the Quartz Lease.
- F - Indicates Full Quartz fraction (25+ acres)
- P - Indicates Partial Quartz fraction (<25 acres)
- D - Indicates Placer Discovery
- C - Indicates Placer Codiscovery
- B - Indicates Placer Fraction

Total claims selected : 341

APPENDIX B

Quartz Mining Land Use Regulation

Schedule 1 **Operating Conditions**

Removal of the Vegetative Mat

1. If the vegetative mat must be removed to carry out exploration activities, it must be removed so as to protect the seed and root stock contained within the mat and be stored separately from other overburden or bedrock removed for use in re-establishing the vegetative mat when the exploration program ceases.

Re-establishment of the Vegetative Mat

2. (1) All vegetated areas disturbed by exploration activities, including fuel and waste storage areas, clearings, corridors, temporary trails, camps and supporting infrastructure, and trenches and drill sites, must be left in a condition conducive to re-vegetation by native plant species or other species adaptable to the local environment to encourage re-vegetation comparable to similar, naturally occurring, environments in the area.

(2) Conditions conducive to re-vegetation include provision of adequate soil layer with moisture retaining ability, no soil contamination by hydrocarbons or other hazardous substances, provision of adequate seed or root stock, and contoured or otherwise stable slopes.

3. If adequate seed or root stock is not naturally available, re-seeding or transplanting of vegetation is required. Only non-invasive species may be used for re-seeding or transplanting. Consult with the Mining Inspector prior to seeding.

Erosion Control and Permafrost

4. All areas disturbed during an exploration program must be re-sloped, contoured or otherwise stabilized to prevent long-term soil erosion, slumping and subsidence.
5. All exploration activities must be carried out to avoid or minimize damage to and loss of permafrost.

Trenching

6. Trenching carried out by hand or using hand-held tools must be methodical. All trenches must be stabilized and marked to minimize risk to the public.
7. Trenches constructed with mechanized equipment must be back filled by first depositing any removed overburden and bedrock and then replacing the vegetative mat that was removed to construct the trench.

Historic Objects and Burial Grounds

8. Exploration activities must not be carried out within 30m of a known archeological site unless the Manager, Mining Land Use indicates, in writing, that such activities may be carried out.
9. Any sites containing archeological objects, paleontological objects or human remains or burial sites discovered in the course of carrying out an exploration program must be immediately marked and protected from further disturbance and, as soon as practicable, the discovery reported to the Manager, Mining Land Use. No further activities may be carried out within 30m of the site until the Manager, Mining Land Use indicates, in writing, that activities may be resumed.

Solid Waste

10. All solid waste, including debris, equipment, barrels, drums, and scrap metal, must be safely stored on the site of the exploration program while the program is carried out and must be disposed of in accordance with the *Solid Waste Regulation* when the program ceases.
11. Camps must be kept clean and tidy.

Petroleum Fuel and Hazardous Substances

12. If petroleum fuel storage capacity exceeds 4000 L, a secondary containment structure must be constructed. The containment structure must be made of a material impervious to petroleum products and:
 - a) if there is a single storage tank, be of sufficient size to accommodate at least 110% of the capacity of the storage tank; or
 - b) if there is more than one storage tank, be of sufficient size to accommodate 110% of the capacity of the largest storage tank or 10% of the total capacity of all the tanks, whichever is larger.
13. All petroleum products, including waste petroleum products, and any other hazardous substances must be stored in a secure fashion no less than 30m from the ordinary high water mark of any water body.
14. All petroleum products, including waste petroleum products, and any other hazardous substance, must be transferred and handled without spillage.
15. All petroleum products and any other hazardous substances must be removed from the site of the exploration program when the program ceases.
16. All waste petroleum products and any other special waste, as defined in the *Special Waste Regulations*, generated in the course of carrying out the exploration program must be disposed of in accordance with the *Special Waste Regulations* when the program ceases.

Spills and Spill Contingency Plans

17. A spill contingency plan for petroleum products and other hazardous waste must be prepared and posted in the camp and at all fuel handling locations used in carrying out the exploration program.
18. All spill clean-up equipment and material must be maintained in a state of readiness sufficient at all times to contain and clean-up any hazardous material spills.
19. If a spill occurs, the spill contingency plan must be immediately implemented and notice given to the 24-hour Yukon Spill Report Line. As soon as practicable, an inspector must be contacted. Whatever remedial action is required to clean-up the spill and reclaim the affected land and water must be taken.

Use of Vehicles

20. Vehicles must be maintained and operated to prevent spills of fuel, lubricants, coolants and oil.

Timber and Brush

21. Cut brush must not be piled so that it blocks movement of wildlife or people.
22. Leaning trees created by cutting of lines, corridors, temporary trails, and clearings must be felled.
23. When it is economically viable to do so, timber suitable for sale must be salvaged and stockpiled.
24. All risk of fire hazard must be avoided.

Drilling

25. All reasonable efforts must be made when drilling to minimize the impact on wildlife and the public.
26. Vegetation other than that within a drill sump, must not be covered with drill cuttings.
27. Core must be stored in a stable fashion.
28. Drill mud must be re-circulated when possible.
29. All drill fluids must be contained in a sump.
30. Drill holes that pose a hazard or that lead to ground water must be plugged to prevent flow of water to the surface.

31. The location of drill holes must be marked on the ground by flagging or other suitable means at the location of the drill hole.
32. Drilling waste, including fluid, cuttings and mud must not be left within 30m of a water body.

Roads, Trails, and Off-road Trail Use

33. All vehicles must be operated to avoid rutting and gouging of roads and trails.
34. Off road and trail routes must be reconnoitered and must be used in a way that minimizes ground disturbance, including damage to permafrost and sensitive wildlife habitat.
35. If rutting, gouging, ponding or permafrost degradation occurs off road or trail, vehicle use must be suspended or relocated to ground that is capable of bearing the weight of the vehicle without causing such damage.
36. Use of skids on permafrost or wet ground is only permitted outside of winter where it is not reasonable to use any other means of transporting equipment.
37. Routes for temporary trails must be reconnoitered and flagged.
38. In addition to any remedial action required in relation to item 2 of this schedule, temporary trails must be blocked to prevent further vehicular access.

Release of Sediment

39. All reasonable care must be taken in carrying out exploration activities near or adjacent to a water body to prevent sediment from entering a water body, unless otherwise permitted by law.

Use of Explosives

40. Explosives must be set off in a manner to minimize impact on wildlife and the public to ensure that forest fires, unplanned landslides, or artificial damming of water bodies does not occur.

Waste Rock

41. Waste rock piles must be located at least 30m from any water body and be physically stable.
42. Waste rock containing sulfides must be returned underground.
43. Access to underground openings must be blocked to prevent access by wildlife and people.

APPENDIX C

Proponent Commitments

Clearing

1. Wherever possible, naturally level or pre-disturbed areas will be utilized to minimize the amount of disturbance to vegetative mat and to minimize potential for erosion.
2. Where vegetative mat is removed, it will be placed to one side of the clearing and replaced after the site is no longer being used.
3. Trenches will be backfilled as soon as possible after they are mapped and sampled.
4. Once a drill site is no longer in use, it will be thoroughly cleaned. The drill collar (if present) will be marked with a post, soil will be put back, and any brush or trees previously cut to create the pad will be scattered across the site to biodegrade and promote revegetation.
5. Reclamation of trench, drill and sump sites will be ongoing throughout the exploration program.
6. If possible, the camp will be located at a previously used site to minimize disturbances.

Waste Disposal

7. Drill sites will be kept clean and all solid waste material will be removed as generated.
8. Household garbage, food scraps and combustible debris will be burned on-site nightly so as not to attract wildlife.
9. Burning will be done in either a closed, forced-air incinerator or a Yukon Bum Barrel as outlined by Environment Yukon in the publication *Guidelines for Industrial Activity in Bear Country*.
10. All burning or incineration will be conducted under constant supervision.
11. As garbage is generated throughout the day, it will be stored in sealed, animal-proof containers awaiting incineration.
12. Electrified fences will be installed around the incinerator site and grey water sumps.
13. Non-combustible items and ashy residues will be compacted and removed from the property on a weekly basis during backhauls of supply trips and taken to the Dawson City or Whitehorse municipal dump or approved recycling centre for final disposal.

14. Waste oil will be stored in specially marked, sealed containers and taken to an approved disposal site.
15. Special waste, such as batteries, will be segregated and taken to approved disposal sites by trained personnel, in accordance with environmental regulations.
16. Privies and sumps will be used for liquid wastes at the campsite and will be situated at least 30 m from any waterway.

Wildlife

17. A Wildlife Attractant Management Plan is included in the attached Yukon Mining Land Use application. The Proponent will ensure that this policy is implemented and that all personnel and contractors abide by a strict no hunting policy.

Fuel Storage and Handling

18. Fuel will be stored onsite in heavy-walled 205 litre drums to prevent puncture and leakage.
19. All storage sites will be well marked and will be at least 50 m from any watercourse.
20. If a storage site is created containing more than 10 drums, it will be bermed and lined with an impermeable liner.
21. Empty drums are kept onsite in the unlikely event that a drum is punctured and fuel has to be transferred to a stable container.
22. Fuel absorbent cloth, berms and high-nitrogen fertilizer will be kept onsite in the event of a spill.
23. Notices disclosing the fuel prevention and remediation plan will be posted at the camp and at each fueling site, which state procedures to be followed and the emergency spill hotline contact information for the district.
24. A spill prevention and remedial action plan is contained in the attached Yukon mining land use application.

Drilling

25. Use of drill additives will be minimized and, where used, only biodegradable products will be employed.
26. All drill return water and cuttings will be directing into sumps located downhill from each drill collar, where the cuttings can settle out and the water can filter naturally into the ground.

27. The sump will be filled in after the diamond drilling is finished at the site so that the cuttings are buried.

28. All sumps will be dug more than 50 m from any watercourse.

Helicopter Use

29. Any helicopter activity will be closely monitored and when necessary, routes will be modified to reflect concerns of First Nations.

30. During the program, flights will be conducted at elevations that should not startle animals and, if animals are encountered, flight paths will be redirected.

31. If hunters or hiking groups are unexpectedly observed, helicopters will be rerouted to avoid repeated disturbance.

32. Helicopter operations will be minimized during lambing, calving and rut seasons, and flight lines will be routed well clear of sensitive areas, including mineral licks.

33. Flight paths and general helicopter practices will be consistent with prescribed procedures outlined in brochures published by the Yukon Department of Environment.

Operational Guidelines

Exploration activities

The Yukon Chamber of Mines has developed an informative Best Management Practices document that should be reviewed in the context of project activities. The operator should reference the following document when planning and conducting project activities:

- Yukon Mineral and Coal Exploration Best Management Practices and Regulatory Guide (<https://www.yukonminers.org/index.php/all-docs/guidebooks/3-yukon-mineral-and-coal-exploration-best-management-practices-and-regulatory-guide/file>).

Bears and other wildlife

To increase worker safety, reduce potential conflicts and prevent unnecessary wildlife mortality, the operator should implement pertinent components of:

- Guidelines for Industrial Activity in Bear Country for the Mineral Exploration, Placer Mining and Oil & Gas Industries (<https://yukon.ca/sites/yukon.ca/files/env/env-guidelines-industrial-activity-bear-country.pdf>).
- If an electric fence is an appropriate precaution, or a requirement, the operator should reference the following comprehensive and highly informative guide: Reducing Wildlife Conflict with Electric Fencing: A Beginner's Guide (https://yukon.ca/sites/yukon.ca/files/env/env-electric-fencing_en.pdf).

Invasive species

To minimize the risk and consequences of spreading invasive plant species the operator should:

- Become familiar with the Yukon invasive species and how to manage them by referring to the Yukon Invasive Species Council document, "Why Should I Care About Invasive Species" (<https://www.yukoninvasives.com/index.php/en/resources/brochures/31-why-should-i-care-about-invasive-species/file>).

Heritage Resources

To better understand how to manage potential impacts to heritage resources, the operator should refer to the following document(s):

- Mineral Exploration Best Management Practices for Heritage Resources (<https://yukon.ca/en/yukon-mineral-exploration-best-management-practices-heritage-resources>).
- Guidelines Respecting Discovery of Human Remains and First Nation Burial Sites in Yukon (<https://yukon.ca/en/guidelines-respecting-discovery-human-remains-and-first-nation-burial-sites-yukon>).

Work in/near water

Project activities have the potential to affect water quantity, quality and/or rate of flow. The operator should provide for the protection of water by applying practices described in:

- Best Management Practices for Works Affecting Water in Yukon (<https://yukon.ca/sites/yukon.ca/files/env/env-preferred-practices-works-affecting-yukon-waters.pdf>).

Aircraft use

Project activities are authorized in an area known to be inhabited by sheep and/or caribou. The operator and/or aircraft pilots should plan flight paths and protocols based on the published guideline(s):

- Flying in Sheep Country: How to Minimize Disturbance from Aircraft (<https://yukon.ca/sites/yukon.ca/files/env/env-flying-sheep-country.pdf>).
- Flying in Caribou Country: How to Minimize Disturbance from Aircraft (<https://yukon.ca/sites/yukon.ca/files/env/env-flying-caribou-country.pdf>).