

QUARTZ MINING LICENSE QML-0001

This License is issued pursuant to section 135(2) of the Quartz Mining Act, S.Y. 2003, c.14. Previous versions of this License are hereby withdrawn and replaced.

License No: QML-0001

Issued to: Minto Metals Corp.
61 Wasson Place
Whitehorse, Yukon
Y1A 0H7

Project Name: Minto Mine Project

Location: NTS 115I11; Latitude: 62° 37 'N, Longitude: 137° 15' W
Whitehorse Mining District


License Effective Date: May 19th, 2011

Amendment Effective Date: The date upon which the signature of the Director is affixed.

Expiry Date: December 31st, 2030

Scope of Authorization: Development, production, reclamation and closure associated with underground and open pit mining and milling at the Minto Mine as set out in this License.

Dated this 30 day of June, 2022.



Director, Mineral Resources
Energy, Mines and Resources

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PART I - GENERAL PROVISIONS

1.0 Definitions

1.1 In this License

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

"approved closure plan" means the Minto Mine Reclamation and Closure Plan 2018-01 dated February 2018, or a revision of this plan, revised as described in section 7.2 of this License and approved in accordance with section 6 of this License;

"approved plan" means a plan listed in Schedule B and for greater certainty includes any terms and conditions specified by the Director as set out in the Schedule;

"closure" means the period after development and production of the Undertaking ceases, during which decommissioning and reclamation are intended to occur leading to a period of limited maintenance and monitoring;

"day" means a calendar day;

"definition drilling" means surface or subsurface diamond drilling that occurs in the proximity of a licensed ore body to adequately delineate the ore and waste rock zones to finalize the open pit or underground mine layout;

"Director" means the Director of the Mineral Resources Branch;

"engineer" means a professional engineer as defined in, and licensed under, the *Engineering Profession Act*, R.S.Y. 2002, c.75;

"Engineered Structure" means any feature constructed by the Licensee, as evidenced by an approved plan listed in Schedule B, and specifically designed to:

- (a) extract ore, overburden, and waste rock from the Undertaking within licensed ore bodies via surface or subsurface mining;
- (b) manage extracted ore to produce mineral concentrates and tailings;
- (c) manage excavated overburden and waste rock;
- (d) manage produced concentrates, tailings and water treatment residuals; and
- (e) provide access to, from and around the mine site via surface and air;

"environmental management plans" means the plans prepared by the Licensee that describe the processes and procedures to manage hazardous substances and respond to environmental emergencies that may occur at the site as described in approved plans;

"environmental protection plans" means the plans prepared by the Licensee to manage the environmental effects of the Undertaking including any unexpected or unacceptable impacts to the environment;

"Inspector" means an Inspector designated pursuant to the Act;

"License" means the Quartz Mining License QML-0001;

"Licensee" means the person to whom this License is issued;

"mill" means the building(s) and equipment for processing ore to produce concentrates and tailings, as described in an approved plan listed in Schedule B related to Mill operations;

"mine" means the surface and underground mining areas and all related infrastructure, waste rock, overburden and tailings management facilities, roads constructed by the Licensee to access and operate the Undertaking, and all supporting infrastructure required to operate the Undertaking;

"minor modifications" means a field modification during construction to the approved final design of an Engineered Structure that does not affect the functionality of the structure to meet its design criteria or performance requirements and does not affect the ability of any other Engineered Structures to meet their design and performance criteria. All modifications are done in accordance with approved plans;

"Minister" means the Minister of Energy, Mines and Resources;

"open pit" means the surface workings open to daylight that have been or will be excavated to extract waste rock and ore, as each is described in an approved plan;

"operations plans" means the plans prepared by the Licensee to manage and direct the development and production of the Undertaking as described in approved plans;

"ore" means excavated rock designated by the Licensee for processing to extracted valuable minerals;

"overburden" means soil or other unconsolidated material that lies above the rock surface;

"permanent closure" means a closure in which development and production activities cease with no intention of resumption of activities prior to the expiry of the License;

“qualified environmental professional (“QEP”)” an applied scientist or technologist who can conduct assessments as individuals or together with other qualified environmental professionals. A QEP must have an area of expertise that is recognized in the relevant assessment methods as one that is acceptable for the purpose of providing all or part of an assessment report for the particular development proposal that is being assessed;

“site” means the area where the Undertaking is taking place;

“site characterization” means a summary of the environmental conditions found at the site for areas that are, or may be, affected by the Undertaking;

“tailings” means the byproducts of processing ore in the mill to produce mineral concentrates;

“tailings management facility” means the areas and related infrastructure that are to be used for storing tailings, with or without with waste rock and water treatment residuals, as each is described in an approved plan;

"temporary closure" means a closure in which development and production activities cease, for a period longer than four (4) consecutive months, with the intention of resumption of activities prior to the expiry of the License, or when the Undertaking is declared to be in temporary closure by the Director;

“underground workings” means the workings located below the surface that will be excavated to extract waste rock and ore including all stopes, declines, adits, shafts, vents and related supports and infrastructure, as each is described in an approved plan;

"Undertaking" means all development, production, reclamation and closure activities authorized by this License related to the extraction of mineral resources from the mineral claims and leases identified in Schedule A;

“waste rock” means rock excavated from the open pits or underground workings that will not be processed in the mill;

“waste rock management facility” means an area, excluding tailings management facilities, where waste rock is placed, either temporarily or permanently, as each is described in an approved plan; and

"Water treatment residuals" means the solid and liquid byproducts of treating mine affected water to remove contaminants.

- 1.2 Any term not defined in this License that is defined in the Act has the same meaning as in the Act.

- 1.3 The following schedules form part of this License
- (a) Schedule A - Listed Mineral Claims and Leases
 - (b) Schedule B - Approved Plans and Authorized Activities
 - (c) Schedule C - Annual Reporting Requirements

2.0 Coming into Effect

- 2.1 The authorizations, obligations, and requirements set out in this License come into effect on the License Effective Date.

3.0 Authorized Activities

- 3.1 The Licensee is only authorized to carry out activities set out in Schedule B
- (a) on the mineral claims listed in Schedule A;
 - (b) in accordance with the terms and conditions set out in this License;
 - (c) once plans are approved and listed in Schedule B; and
 - (d) in accordance with the approved plans, and conditions set out in Schedule B.
- 3.2 The Licensee must provide notice to the Director of the date it intends to commence development or production of new open pit or underground workings no less than thirty (30) days prior to undertaking these activities.

4.0 Extensions of Time Limits

- 4.1 Unless otherwise provided in this License, if the Licensee submits a written request to extend a time limit imposed by this License no less than ten (10) days before the expiry of the time limit in question, the Director, or their delegate, may extend the time limit. If extended, the new time limit will replace the time limit imposed in this License solely with respect to the time limit in the written request.

5.0 Correspondence

- 5.1 Any written communication, notice or report required to be given must be provided to the persons identified below, by mail, registered mail, electronic mail or secure file transfer.

To the Licensee: President, Minto Metals Corp.
 61 Wasson Place,
 Whitehorse, YT Y1A 0H7
 cstewart@mintomine.com

To the Director: Director, Mineral Resources
 Box 2703 K-9
 Whitehorse, YT Y1A 2C6
 emr-qml@yukon.ca

- 5.2 Either the Licensee or the Director may change its address for service while this License is in effect by notifying the other in writing.
- 5.3 All written communications, notices, or reports will be considered to have been received by the Licensee or the Director, as the case may be, ten (10) days after the mailing thereof, or if personally delivered, sent by electronic or registered mail, or secure file transfer on the day of delivery.

PART II - DEVELOPMENT AND IMPLEMENTATION OF PLANS

6.0 Approval and Amendment of Plans

- 6.1 When the Licensee is required to submit a plan under this License, the Licensee must
- (a) submit the plan in writing to the Director;
 - (b) ensure that the plan meets the requirements for that type of plan as directed by the Director or their delegate in writing; and
 - (c) not undertake any of the activities described in the plan until the plan is approved in writing by the Director or their delegate and listed in Schedule B.
- 6.2 If the Licensee wants to amend an approved plan, it must submit the proposed amendment to the Director as if the amendment was a plan under condition 6.1 of this License. If the Director approves the amendment, the Licensee agrees that the amendment and any terms and conditions set out by the Director in their approval will be considered to be an approved plan or a part of an existing approved plan, whichever is appropriate in the circumstance.
- 6.3 If the Director directs in writing and with reasons that an approved plan be amended, the licensee must prepare the required amendment and submit it to the Director as if it was a plan referred to in condition 6.1 of this License.
- 6.4 All plans and reports submitted by the Licensee with respect to the design or construction of any engineered structures, works or installations related to the Undertaking must be under the stamp or seal of an Engineer.

7.0 Implementation of Plans

- 7.1 Unless otherwise indicated by a term in this License or in writing by the Director, the Licensee must implement each approved plan as of the date each plan becomes an approved plan.
- 7.2 No activity may be carried out by the Licensee as part of the Undertaking unless authorized in Schedule B and all activity must be carried out in accordance with all relevant approved plan(s).
- 7.3 Prior to commencing any construction of an engineered structure, the Licensee must submit to the Director detailed designs of the structure at least fifteen (15) days prior to commencement of construction.
- 7.4 The detailed designs submitted in accordance with condition 7.3 must comply with the approved plan(s) listed in Schedule B.
- 7.5 Construction of all engineered structures must be completed in accordance with the detailed designs submitted to the Director in accordance with condition 7.3, or as part of an approved plan listed in Schedule B.
- 7.6 Minor modifications from the detailed designs must be identified on the as-built drawings submitted pursuant to condition 18.6.
- 7.7 The Licensee must immediately implement all relevant components of the environmental management plans if a spill or release of dangerous or hazardous substances or materials occurs at the site.
- 7.8 The Licensee must undertake reclamation at the site in accordance with the approved closure plan.

PART III - DEVELOPMENT AND MINE OPERATIONS**8.0 Surface Mine Development**

- 8.1 The Licensee is authorized to conduct definition drilling and develop the Area 2, Area 118, Minto North, and Ridgetop open pits.
- 8.2 The Licensee is authorized to conduct surface mine development and production activities at the mine until December 31, 2026.

8.3 The Licensee must not extract more than 9,135,197 cumulative tonnes of ore from the open pits from the License Effective Date.

9.0 **Underground Mine Development**

9.1 The Licensee is authorized to conduct definition drilling and develop the Minto East, Minto East 2, M-Zone, Area 2, Area 118, Copper Keel, Wildfire, and Minto North underground zones.

9.2 The Licensee is authorized to conduct underground mine development and production activities at the mine until December 31, 2026.

9.3 The Licensee must not extract more than 6,249,000 cumulative tonnes of ore from the underground workings from the License Effective Date.

10.0 **Production**

10.1 The Licensee is authorized to operate a mill to process ore and produce mineral concentrates and tailings at the mine site until December 31, 2026.

10.2 The Licensee must not process ore at a rate exceeding 4,200 tonnes per day, based upon a 12 month average, during the term of this License.

10.3 The cumulative mining rate from open pits and underground workings must not exceed 2.5 million tonnes of material for processing through the mill per calendar year.

11.0 **Waste Rock and Overburden Management**

11.1 The Licensee must not remove more than 17,272,811 bank cubic meters of waste rock from the open pits and underground workings, in total, from the License Effective Date.

11.2 Waste rock is authorized to be used as construction material, temporarily stored in stockpiles, permanently stored in waste rock management facilities or used as reclamation material as described in the approved plan(s).

11.3 Waste rock used for construction purposes must have a copper content no greater than 0.10 percent, a neutralizing to acid potential ration (NP:AP) of at least 3:1, and a total sulphur content of no greater than 0.3%.

11.4 All waste rock and overburden management facilities, and ore stockpiles must be built on stable foundations.

12.0 Tailings Management

- 12.1 The Licensee is authorized to produce up to 14 million tonnes of tailings from the License Effective Date, and place the tailings, in approved tailings management facilities.
- 12.2 The Licensee must not place more than 4.7 million cubic meters of tailings in the Main Pit during the term of this License.
- 12.3 The Licensee must not place more than 7.7 million cubic meters of tailings in the Area 2 Pit during the term of this License.
- 12.4 The Licensee must not place more than 1.9 million cubic meters of tailings in the Ridgetop Pit during the term of this License.
- 12.5 The Licensee is not authorized to place additional tailings in the dry stack tailings facility, other than those tailings already located in the dry stack tailings facility as of the Amendment Effective Date.

PART IV – RECLAMATION AND CLOSURE

13.0 Reclamation Planning and Implementation

- 13.1 The Licensee must submit to the Director an updated closure plan no later than August 5, 2016, and every two years thereafter, until the expiry date of the License.
- 13.2 The Licensee is required to implement all reclamation research programs and studies as identified in the approved closure plan.
- 13.3 Progressive reclamation is required, regardless if the Undertaking is in a state of closure or not, in areas that are no longer subject to development and production activities, as evidenced by their listing in Section 12 of Schedule B, and that will not be impacted by future development and production activities authorized in this License.
- 13.4 Progressive reclamation must be undertaken as described in the approved closure plan.

14.0 Temporary Closure

- 14.1 The Licensee must provide written notice to the Director of its intention to temporarily close the Undertaking at least thirty (30) days prior to initiating temporary closure.

- 14.2 Immediately upon ceasing all development and production activities for a period of time intended to last longer than two months, the Licensee must implement the approved closure plan as it relates to temporary closure.
- 14.3 The Director may, after giving the Licensee a reasonable opportunity to be heard on the matter, declare the Undertaking to be in temporary closure. Immediately upon receiving notice of the Director's declaration the Licensee must implement the approved closure plan as it relates to temporary closure.
- 14.4 No production or development activities may be undertaken during temporary closures unless otherwise authorized in writing by the Director.
- 14.5 Within thirty (30) days of entering into temporary closure the Licensee must provide to the Director:
- (a) written notice indicating for which engineered structures, works or installations at the site it has already provided as-built drawings to the Director; and
 - (b) copies of as-built drawings for those engineered structures, works or installations for which no such drawings have been previously provided to the Director.
- 14.6 The Licensee must provide written notification to the Director at least thirty (30) days in advance of its intention to end temporary closure and resume development and production and must receive the written authorization from the Director before development and production recommences.
- 15.0 **Permanent Closure**
- 15.1 Permanent Closure activities must commence no later than January 1, 2027, and be fully implemented in accordance with the approved closure plan before the expiry of this License.
- 15.2 The Licensee must provide written notice to the Director of its intention to permanently close the Undertaking at least ninety (90) days prior to the Licensee initiating any permanent closure activities, excluding progressive reclamation activities, and specify the date the Licensee intends to cease development and production activities.
- 15.3 Immediately upon ceasing all development and production activities with no intention of restarting those activities, the Licensee must implement the approved closure plan as it relates to permanent closure.
- 15.4 The Director may, after giving the Licensee a reasonable opportunity to be heard on the matter, declare the Undertaking to be in permanent closure. Immediately upon receiving

notice of the Director's declaration the Licensee must implement the approved closure plan as it relates to permanent closure.

- 15.5 No production or development activities may be undertaken during Permanent Closure unless otherwise authorized in writing by the Director.
- 15.6 Unless otherwise authorized in writing by the Director, if temporary closure lasts longer than five (5) continuous years, permanent closure will automatically be determined to have commenced and the Licensee must immediately implement the approved closure plan as it relates to permanent closure.
- 15.7 If the Licensee intends to resume operations following the commencement of permanent closure, notice must be provided to the Director at least ninety (90) days in advance, and the necessary plans and reports must be submitted by the Licensee for approval in accordance with condition 6.1 of the License before operations can resume.

PART V - FINANCIAL SECURITY

16.0 Financial Security

- 16.1 The Licensee must furnish and maintain security with the Minister in the amount of \$104,274,643 (CDN) as outlined in the following schedule:
- (a) \$99,285,831 no later than April 5, 2022;
 - (b) \$4,359,972 thirty (30) days prior to commencement of activities in support of the Ridgetop mining area; and
 - (c) \$628,840 thirty (30) days prior to commencement of activities in support of the Minto North underground operations.
- 16.2 The closure plan updates required in condition 13.1 must include a security estimate for potential liabilities associated with the permanent closure of the Undertaking as well as activities proposed to be undertaken during any temporary closure periods.
- 16.3 If the Minister determines that additional security must be provided during the term of this License, the Licensee must furnish and maintain the additional amount of security.
- 16.4 The Licensee acknowledges that the notice of the Minister referred to in condition 16.3 of this License will, upon issuance, amend condition 16.1 of this License with respect to the amount of security required to be furnished and maintained. The notice will be considered a requirement of this License as of the date of the notice.
- 16.5 Unless otherwise determined in writing by the Director, if the Licensee fails to furnish

and maintain the security referred to in condition 16.1 or 16.3 of this License, the authorization provided in condition 3.1 of this Licence is suspended for all authorized activities that are not directly related to temporary closure or permanent closure, as the case may be, until the security is furnished as required.

- 16.6 If security is furnished in the form of a surety bond or irrevocable letter of credit, and the surety or institution issuing the bond or letter of credit provides notice to the Minister of its intention to terminate or not renew its obligation, the Licensee must furnish another form of security acceptable to the Minister in the full amount required by this License thirty (30) days before the date of termination or expiry, or within ninety (90) days after the date of notice, whichever is shorter, or the Licensee will be in default of the requirement to furnish and maintain security as required by this License and Yukon government may immediately demand payment from the surety or institution.

PART VI - AUDITS AND REPORTING

17.0 Environmental and Operational Audits

- 17.1 The Licensee must have an environmental audit completed by an independent contractor acceptable to the Director, no later than September 1st in every second year from the Effective Date, to determine if the environmental protection plans and regulatory controls set out in this License are sufficient to ensure that the environmental quality at, in and around the mine is being protected and that the environmental management plans and controls are functioning as intended.
- 17.2 The environmental audit required in condition 17.1 must review the management, operations and practices of the Licensee that are intended to ensure environmental protection during development, production, temporary closure, or permanent closure. The audit must evaluate:
- (a) compliance with the approved plans;
 - (b) the adequacy of the environmental protection plans to meet the objectives and intent of each plan;
 - (c) compliance with the internal environmental policies and procedures of the Licensee;
 - (d) the progress and success of reclamation and closure efforts completed to date;
 - (e) the reliability and integrity of information relating to environmental reporting and compliance; and
 - (f) any other requirements, including the scope and focus of the audit, as directed by the Director in writing.
- 17.3 Prior to October 31 of the year in which an environmental audit must be completed, the Licensee must provide the Director with a copy of the environmental audit and a report

detailing any remedial action to be undertaken by the Licensee in response to the audit (the "October 31 report").

- 17.4 The Licensee is required to submit, a written statement detailing how and when each of the recommendations for remedial actions identified in the report referred to in condition 17.3 will be addressed. The written statement must accompany the October 31 report. The Licensee is required to implement the actions outlined in the written statement prior to October 31 of the subsequent year.

18.0 Reporting and Inspections

- 18.1 The Director may, upon review of the reports and inspections required in this section, determine that amendments are required to the approved plans. The Licensee is required to submit any required amendments to the approved plans in accordance with condition 6.3.
- 18.2 The site characterization report dated May 2014 and submitted by the Licensee with its application for this License must be updated by a qualified environmental professional, and re-submitted by the Licensee on or before October 31, 2024, and every three (3) years thereafter for the term of this License, unless the Director directs, in writing, that the report must be updated on a more frequent basis.
- 18.3 The Licensee must ensure that an inspection of the physical stability of all engineered structures, works and installations located at the site is conducted by an independent engineer by June 30 of each year of the term of this License, including the tailings management facilities and related impoundment structures, the waste rock and overburden management facilities, the open pits, the underground workings, ore stockpiles, mill site, camp sites, any diversion structures or dams and any other engineered facilities or works associated with the Undertaking.
- 18.4 The Licensee must submit to the Director and the Inspector a written report prepared by the engineer that conducted the annual inspection documenting the results of the inspection referred to in condition 18.3, no later than August 15 of each year (the "August 15 report"). This report must include a:
- (a) summary of the stability, integrity and status of all of the inspected structures, works, and installations; and
 - (b) any recommendations for remedial actions made as a result of these investigations and evaluations.
- 18.5 The Licensee is required to submit to the Director and Inspector a written statement detailing how and when each of the recommendations for remedial actions identified in the report referred to in condition 18.4 will be addressed. The written statement must

accompany the August 15 report. The Licensee is required to implement the actions outlined in the written statement. prior to October 31 of the subsequent year.

- 18.6 Within sixty (60) days of completing construction of any engineered structure, the Licensee must submit a report to the Director containing:
- (a) as-built drawings of the engineered structure and its components;
 - (b) a summary and results of any quality assurance or quality control monitoring conducted by or for the Licensee in the course of constructing the structures, works and installations; and
 - (c) a variance report sealed by the design Engineer detailing any variances from the detailed design of the structure excluding minor modifications.
- 18.7 The Licensee is required to submit quarterly reports to cover the period of January 1 to March 31, April 1 to June 30, July 1 to September 30, and October 1 to December 31. These reports must be submitted no later than thirty (30) days following the end of the quarter that is being reported, and must include:
- (a) amount of ore extracted from each identified open pit or underground ore zone;
 - (b) amount of waste rock extracted and placed in management facilities or used for construction or reclamation purposes;
 - (c) amount of concentrate produced;
 - (d) amount of concentrate stored on site; and
 - (e) amount of tailings produced and placed in management facilities.
- 18.8 On or before March 31st of each year of the term of this License, the Licensee must submit an annual report, in writing, containing the information set out in Schedule C, covering the period of January 1 to December 31 of the prior year.

Schedule A: Listed Mineral Claims and Leases

SCHEDULE A – LISTED MINERAL CLAIMS AND LEASES**Quartz Leases**

Grant Number	Lease Lot Number	Claim Label	Grant Number	Lease Lot Number	Claim Label
Y61620	OW00001	MINTO 1	Y62299	OW00034	MINTO 68
Y61621	OW00002	MINTO 2	Y62301	OW00035	MINTO 70
Y61622	OW00003	MINTO 3	Y62302	OW00036	MINTO 71
Y61623	OW00004	MINTO 4	Y61693	OW00230	DEF 1
Y61624	OW00005	MINTO 5	Y61694	OW00231	DEF 2
Y61625	OW00006	MINTO 6	Y61695	OW00232	DEF 3
Y61626	OW00007	MINTO 7	Y61696	OW00233	DEF 4
Y61627	OW00008	MINTO 8	Y61697	OW00234	DEF 5
Y61628	OW00009	MINTO 9	Y61698	OW00235	DEF 6
Y61629	OW00010	MINTO 10	Y61699	OW00236	DEF 7
Y61630	OW00011	MINTO 11	Y61700	OW00237	DEF 8
Y61631	OW00012	MINTO 12	Y61701	OW00238	DEF 9
Y61632	OW00013	MINTO 13	Y61703	OW00239	DEF 11
Y61633	OW00014	MINTO 14	Y61705	OW00240	DEF 13
Y61634	OW00015	MINTO 15	Y61706	OW00241	DEF 14
Y61635	OW00016	MINTO 16	Y61707	OW00242	DEF 15
Y61904	OW00017	MINTO 17	Y61708	OW00243	DEF 16
Y61905	OW00018	MINTO 18	Y61709	OW00244	DEF 17
Y61921	OW00019	MINTO 32	Y61710	OW00245	DEF 18
Y61923	OW00020	MINTO 34	Y61723	OW00246	DEF 31
Y61908	OW00021	MINTO 35	Y61724	OW00247	DEF 32
Y61909	OW00022	MINTO 36	Y61978	OW00248	DEF 33
Y61930	OW00023	MINTO 45	Y61979	OW00249	DEF 34
Y61931	OW00024	MINTO 46	Y61982	OW00250	DEF 37
Y61934	OW00025	MINTO 47	Y61983	OW00251	DEF 38
Y61935	OW00026	MINTO 48	Y66779	OW00252	DEF 79
Y61936	OW00027	MINTO 49	Y66780	OW00253	DEF 80
Y61937	OW00028	MINTO 50	Y66781	OW00254	DEF 81
Y61938	OW00029	MINTO 51	Y66782	OW00255	DEF 82
Y61939	OW00030	MINTO 52	Y66783	OW00256	DEF 83
Y62296	OW00031	MINTO 65	Y66784	OW00257	DEF 84
Y62297	OW00032	MINTO 66	Y76953	OW00258	DEF 1379
Y62298	OW00033	MINTO 67			

Schedule A: Listed Mineral Claims and Leases

Quartz Claims

Grant Number	Claim Label	Grant Number	Claim Label	Grant Number	Claim Label
Y61702	DEF 10	Y61981	DEF 36	Y62016	DEF 71
Y61704	DEF 12	Y61984	DEF 39	Y62017	DEF 72
Y61711	DEF 19	Y61985	DEF 40	Y62018	DEF 73
Y61712	DEF 20	Y61986	DEF 41	Y62019	DEF 74
Y61713	DEF 21	Y61987	DEF 42	Y62020	DEF 75
Y61714	DEF 22	Y61988	DEF 43	Y62021	DEF 76
Y61715	DEF 23	Y61989	DEF 44	Y62022	DEF 77
Y61716	DEF 24	Y61990	DEF 45	Y62023	DEF 78
Y61717	DEF 25	Y61991	DEF 46	Y62300	MINTO 69
Y61718	DEF 26	Y61992	DEF 47	Y62303	MINTO 72
Y61719	DEF 27	Y61993	DEF 48	Y62304	MINTO 73
Y61720	DEF 28	Y61994	DEF 49	Y62305	MINTO 75
Y61721	DEF 29	Y61995	DEF 50	Y62306	MINTO 76
Y61722	DEF 30	Y61996	DEF 51	Y62307	MINTO 77
Y61906	MINTO 19	Y61997	DEF 52	Y62308	MINTO 78
Y61907	MINTO 20	Y61998	DEF 53	Y62309	MINTO 79
Y61910	MINTO 37	Y61999	DEF 54	Y62310	MINTO 80
Y61911	MINTO 38	Y62000	DEF 55	Y62311	MINTO 81
Y61914	MINTO 23	Y62001	DEF 56	Y62312	MINTO 82
Y61915	MINTO 24	Y62002	DEF 57	Y62313	MINTO 83
Y61916	MINTO 25	Y62003	DEF 58	Y62314	MINTO 84
Y61917	MINTO 26	Y62004	DEF 59	Y62315	MINTO 85
Y61918	MINTO 27	Y62005	DEF 60	Y62316	MINTO 86
Y61919	MINTO 28	Y62006	DEF 61	Y62317	MINTO 87
Y61920	MINTO 31	Y62007	DEF 62	Y62318	MINTO 88
Y61922	MINTO 33	Y62008	DEF 63	Y62319	MINTO 89
Y61926	MINTO 41	Y62009	DEF 64	Y76954	DEF 85
Y61927	MINTO 42	Y62010	DEF 65	Y76955	DEF 86
Y61928	MINTO 43	Y62011	DEF 66	Y76956	DEF 87
Y61929	MINTO 44	Y62012	DEF 67	Y77310	MINTO 94
Y61932	MINTO 29	Y62013	DEF 68	Y77311	MINTO 95
Y61933	MINTO 30	Y62014	DEF 69	Y78024	MINTO 96
Y61980	DEF 35	Y62015	DEF 70	Y78025	MINTO 97

SCHEDULE B - AUTHORIZED ACTIVITIES AND APPROVED PLANS

The Licensee is authorized, in accordance with the License conditions, to carry out the following activities set out below and as directed in the approved plans listed in each section. For greater certainty, if no approved plan addresses the activity to be carried out, the activity cannot be carried out until a plan is approved for the conduct of the activity. Where conditional approval is provided for a specific plan, the conditions of that approval are listed in the appropriate section, and form part of the License conditions.

1.0 Access

The Licensee is authorized to access the Undertaking via a gravel road to the site or by air via an airstrip.

2.0 Camp and Industrial Complex

The Licensee is authorized to operate a camp for up to 300 people consisting of bunkhouse accommodation, mine dry, cooking facilities, water and sewage facilities, heating, and recreational facilities. The location and components of the camp must be as described in the memorandum entitled "Submission of Camp Expansion and Office Space Designs" dated August 30, 2012, and as shown in figure A-P-5 of the document entitled "2021 Geotechnical Annual Report" dated October 2021 and prepared by SRK Consulting (Canada) Inc.

The Licensee is authorized to operate and maintain an industrial complex, including an explosives storage area and fuel containment facility. The location of the fuel containment area must be as shown in figure A-P-5 of the document entitled "2021 Geotechnical Annual Report" dated October 2021 and prepared by SRK Consulting (Canada) Inc. The explosives storage area must be as shown in the figure entitled "Minto Explorations Ltd. Dyno Nobel Explosives Facility" dated June 1, 2010.

These activities must be undertaken in accordance with the following approved plan(s):

- **"Explosives Management Plan"** (Minto Explorations Ltd., June 2011)

2.1 Emergency Response & Health and Safety Plan

The Licensee is required to maintain an up-to-date emergency response plan reflective of the activities and hazardous present on site and implement the plan when necessary.

The measures to be undertaken in event of an emergency are as described in the following approved plan(s):

- **"Minto Explorations Ltd. 2021 Mine Emergency Response Plan (MERP)"** (Minto Explorations Ltd., June 2021)

Schedule B: Authorized Activities and Approved Plans

3.0 Mill and Ancillary Facilities

The Licensee is authorized to operate and maintain a mill consisting of buildings, stockpiles, and equipment for crushing and grinding ore, copper concentrate flotation, concentrate thickening, tailings filtration, temporary tailings storage, temporary storage and load out of concentrate, temporary storage of crushed or ground ore, and ancillary facilities.

These activities must be undertaken in accordance with the following approved plan(s):

- **“Minto Mine, Mill Operations Plan 2018-01”** (Minto Explorations Ltd., January 2018)

4.0 Surface Mining Operations

The Licensee’s surface mine development and operation, as described in plans listed in section 12 of this Schedule, is complete. If the Licensee intends to resume surface mining operations the necessary plans and reports must be submitted and approved in accordance with condition 6.1 of the License before operations can resume.

5.0 Underground Mining Operations

The Licensee is authorized to carry out definition drilling, development and production activities in the Minto South Underground Complex using conventional underground mining methods, including rotary drills, blasting and ancillary services. The Licensee is authorized to access and **undertake definition drilling** in the Minto East 2 mine area.

Activities in the above mentioned deposits must be conducted in accordance with the following approved plans:

- **Minto South Underground Complex: “Underground Mine Development and Operations Plan Amendment, Minto South”** (Minto Metals Corp., March 2022)
- **“Revision 2021-1 Ground Control Management Plan – Underground Operations, Minto Mine, YT”, (Minto Explorations Ltd., June 2021)**

This approval is subject to the following conditions:

- (a) the *in situ* geological conditions, including geologic structure, shall be determined as the mine is developed, and used to assess stope and pillar stability, and to verify assumptions used in the initial design. The mine design shall be continually updated in consideration of the actual geotechnical conditions encountered. This information shall be kept on site, available for inspection by a Safety Officer designated pursuant to the Occupational Health and Safety Act at any time;
- (b) any changes to the mine designs that result in larger stopes or smaller pillars than those presented in the design reports shall be submitted to the Director for approval;
- (c) stopes and pillars shall be inspected and monitored to detect early evidence of instability. The methods and frequency of the inspection and monitoring program shall be as described in the approved Ground Control Plan for the mine area;

Schedule B: Authorized Activities and Approved Plans

- (d) a review of the Ground Control Plan must occur annually, or immediately following injuries or near-miss incidents related to ground control, and following any significant changes to the approved mine plan, or observed ground conditions and excavation stability;
- (e) all updates to the Ground Control Plan, as a result of the reviews required in 6(d) of this Schedule, and must include as-built drawings of the most current underground view plans; and
- (f) an audit of the Ground Control Plan must be completed by a qualified external auditor every two (2) years, the first audit is required no later than December 2017.

6.0 Waste Rock and Overburden Management

The Licensee is authorized to use waste rock and overburden for construction material and reclamation purposes. Storage of waste rock and overburden is authorized in the Main Pit Dump, Main Waste Dump Expansion, Area 118 Backfill Dump, Ridgetop Waste Dump, and Ridgetop South Backfill Dump.

Management of waste rock and overburden in these locations is authorized in accordance with the following approved plans:

- **“Minto Mine Phase V/VI Expansion - Waste Rock and Overburden Management Plan”** (Minto Explorations Ltd., November 2014);
- **“Phase VII Expansion Waste Rock and Overburden Management Plan 2018-01”** (Minto Explorations Ltd. January 2018); and
- **“Minto Main Pit Dump Revision 2018-02-19” (Minto Explorations Ltd., February 2018).**

This approval is subject to the following conditions:

- (a) storage of waste rock must not exceed the volumes in the following table:

Waste Rock and Overburden Management Area	Maximum Storage Volume (cubic meters placed on surface)
Main Pit Dump	1,670,000
Main Waste Dump Expansion	4,212,000
Area 118 Backfill Dump	1,300,000
Ridgetop Waste Dump	3,600,000
Ridgetop South Backfill Dump	800,000

- (b) fine grained materials must be stored separately to ensure there is adequate material for cover design;
- (c) organic material, overburden and bedrock must be stored separately and in a manner as described in the approved plans;

Schedule B: Authorized Activities and Approved Plans

- (d) all waste rock must be characterized and managed in accordance with the methods identified in the approved plans;
- (e) all waste rock with NP:AP<3 must be stored below the final spill elevation of the Main Pit or the Area 2 Pit in accordance with the approved Tailings Management Plan(s);
- (f) a safety berm must be constructed that provides for adequate traffic and human protection when dumping waste into the open pit(s) authorized for waste rock disposal; and
- (g) clearly marked emergency runaway lanes or retardation barriers shall be provided and maintained where the haul road grade exceeds 5%.

7.0 Tailings Management

The Licensee is authorized to deposit tailings in the Main Pit Tailing Management Facility and the Area 2 Pit Tailings Management Facility. Storage of waste rock with NP:AP<3 is authorized in the Area 2 and Main Pit Tailings Management Facilities.

Management of tailings in these locations is authorized in accordance with the following approved plan(s):

- **“Minto Mine Tailings Management Plan Revision 2018-01”** (Minto Explorations Ltd., January 2018)

This approval is subject to the following conditions:

- (a) placement of tailings in the Main Pit Tailings Management Facility must not exceed an elevation of 786 meters above sea level, and a 2 meter freeboard below the lowest point of the pit rim must be maintained at all times;
- (b) placement of tailings in the Area 2 Pit Tailings Management Facility must not exceed an elevation of 799 meters above sea level, and a 5 meter freeboard below the lowest point of the pit rim must be maintained at all times; and
- (c) prior to placement of tailings in underground mine workings an updated tailings management plan with detailed designs must be submitted for review and approval pursuant to condition 6.1 of the License.

8.0 Environmental Protection

The Licensee is required to implement the following approved environmental protection plans to monitor and manage the environmental effects of the Undertaking including any unexpected or unacceptable impacts to the environment:

8.1 Adaptive Management Plan

- **“Minto Mine Operations Adaptive Management Plan - Version 2018-01”** (Minto Explorations Ltd., January 2018)

8.2 Environmental Monitoring, Surveillance and Reporting

Schedule B: Authorized Activities and Approved Plans

- **“Minto Mine, Environmental Monitoring, Surveillance and Reporting Plan 2018-01”** (Minto Explorations Ltd., January 2018)

This approval is subject to the following conditions:

- (a) monitoring of instrumentation installed in previously constructed facilities must continue throughout the life of the mine and be reported as per reporting requirements specified in the License; and
- (b) pit walls shall be inspected and monitored to detect early evidence of instability. The methods and frequency of the inspection and monitoring program shall be as described in the approved Environmental Monitoring and Surveillance Plan.

8.3 **Sediment and Erosion Control**

- **“Minto Mine, 2014 Sediment and Erosion Control Plan”** (Minto Explorations Ltd., April 2014)

8.4 **Wildlife Protection**

- **“Minto Mine, 2014 Wildlife Protection Plan”** (Minto Exploration Ltd., April 2014)

This approval is subject to the following conditions:

- (a) wherever practicable, vegetation clearing shall occur after July 31st. In the event that land clearing activities occur during the core-breeding period of May 1st to July 31st, prior to clearing the Licensee must plan to avoid disturbing or destroying nests of birds listed under the *Migratory Birds Convention Act*, S.C. 1994, c.22; and
- (b) if active nests of birds listed under the *Migratory Birds Convention Act* are discovered, the Licensee shall postpone activities in the nesting area until nesting is completed.

9.0 **Environmental Management**

The Licensee is required to implement the following approved environmental management plans to manage hazardous substances on site and responds to environmental emergencies:

- **“Minto Mine, 2022 Spill Contingency Plan”** (Minto Metals Corp., December 2021)
- **“Minto Mine, Waste Management Plan”** (Minto Explorations Ltd., November 2017)

10.0 **Socio-economic**

The Licensee is required to implement the following approved socio-economic mitigation plan(s):

- **“Heritage Resource Protection Plan”** (Minto Explorations Ltd., April 2014)

11.0 **Reclamation and Closure**

The Licensee is required to reclaim and close all disturbances created throughout the site in accordance with approved plans and designs. Reclamation and closure of the Undertaking is to be undertaken as described in the following approved plan(s):

Schedule B: Authorized Activities and Approved Plans

- **“Minto Mine Reclamation and Closure Plan 2018-01”** (Minto Explorations Ltd., February 2018)

This approval is subject to the following conditions:

- (a) opportunities must be made available for meaningful Selkirk First Nation participation in the design and implementation of the reclamation research program and the development of post-closure terrestrial, human health and water quality closure objectives;
- (b) a fully functioning water treatment plant, able to treat water to the water quality objectives of the Water Use Licence QZ14-031, must be maintained on site until water quality objectives can be met, and will continue to be met post-closure;
- (c) a water balance for the closure period must be included in the next submission required pursuant to condition 13.1 of the License;
- (d) a Failure Modes Effects Assessment for the closure period must be conducted with the participation of Selkirk First Nation and Government of Yukon and submitted as part of the 2024 submission pursuant to condition 13.1 of the License; and
- (e) prior to implementation of closure measures final designs must be submitted in accordance with condition 7.3 of the License.

12.0 **Inactive Areas**

The following areas are considered to be complete. Further development or production or placement of waste rock, tailings or overburden in these areas requires submission and approval of the necessary plans and reports in accordance with condition 6.1 of the License before operations can resume. The closure of these sites is to be completed in accordance with the approved closure plan.

12.1 **Surface Mining Areas**

The Licensee has completed surface mining to the authorized limits in the Main Pit, Area 118 Pit, Minto North Pit and all stages of the Area 2 Pit. The following plans describe the development and production activities associated with these areas:

- **“Mine Development and Operations Plan v1”** (Minto Explorations Ltd., February 2012) [the “MDOPv1”] including Appendix A: **“Pre-Feasibility Geotechnical Evaluation Phase IV Minto Mine, Yukon Territory, Canada”** (SRK Consulting Engineers and Scientists, December 2009) to the extent of those sections which were referenced in the MDOPv1
- **“General Site Plan, Minto Mine Phase IV Expansion, Revision 1”** (Minto Explorations Ltd., April 2011)
- **“Mine Development and Operations Plan”** (Minto Explorations Ltd., June 2014)
- **“Area 2 Stage 3 Pit - Mine Development and Operations Plan 2016-01”** (Minto Explorations Ltd., October 2016)
- **“Minto North Access Design”** (Minto Explorations Ltd., September 2014)

Schedule B: Authorized Activities and Approved Plans

- **“Mine Development and Operations Plan, Area 2 Stage 3 Pit Design Change”**
(Minto Explorations Ltd., July 2017)

12.2 Underground Mining Areas

The Licensee has completed underground mining to the authorized limits in the Area 118 deposit. The following plans describe the development and production activities associated with these areas:

- **“Minto Mine QML-0001, Underground Mine Development and Operations Plan”**
(Minto Explorations Ltd., June 2014)
- **“Area 2 Pit Wall and Crown Pillar Monitoring” (Capstone Mining Corp., January 2014)**

12.3 Waste Rock Management Facilities

The Licensee has completed waste rock and overburden storage in the Main Waste Dump, Southwest Waste Dump, Reclamation and Overburden Dump, and the Ice-Rich Overburden Dump to the authorized limits with the exception of material need for regrading for closure of facilities. The following plans describe the waste rock and overburden storage methods associated with these areas:

Main Waste Dump

- **“Geotechnical Evaluation Proposed Main Waste Dump Minto Mine, Minto, YT”** (EBA Engineering Consultants Ltd., April 1998)

Southwest Waste Dump

- **Geotechnical Design Proposed Southwest Waste Dump, Minto Mine, YT”** (EBA Engineering Consultants Ltd., September 2008)

Reclamation and Overburden Dump

- **“Geotechnical Design, Proposed Reclamation Overburden Dump, Minto Mine, Yukon”** (EBA Engineering Consultants Ltd., February 2008)
- **“Reclamation Overburden Dump Expansion Geotechnical Design Report”** (EBA Engineering Consultants Ltd., June 2010)

Ice-Rich Overburden Dump

- **“Geotechnical Technical Design Ice-Rich Overburden Dump, Minto Mine, Minto, YT”** (EBA Engineering Consultants Ltd., January 2006)

12.4 Tailings Management Facilities

The Licensee has completed the deposition of tailings in the dry stack tailings facilities to the authorized limits. The following plan(s) describes the placement of tailings in the dry stack facility:

- **“Minto Mine Tailings Management Plan”** (Minto Explorations Ltd., January 2011)

SCHEDULE C – ANNUAL REPORTING REQUIREMENTS

The Annual Report must include all of the information indicated in each area. A concordance table must be submitted with the Annual Report and show where the response to each information request can be found. Information requirements that do not apply to the Undertaking at its current stage must be marked in the concordance table as “Not Applicable”.

All raw data and reports must be appended to the Annual Report.

1 Mine Development and Operations

This section, and the following subsections, must include a summary of all construction, development and production activities associated with the Undertaking. This section must include:

- a) a map showing the status of all engineered structures, works, and installations associated with the Undertaking; and
- b) an overlay map showing the surface and underground mining areas.

1.1 Surface Mining

This section must include a summary of all surface mining activities including, but not limited to:

- a) a detailed map showing the extent of all surface mining areas;
- b) as-built drawings of the open pit(s) and associated engineered structures, works or installations constructed or altered at the Undertaking during the reporting year;
- c) a summary of any exploration activities conducted to support surface mining;
- d) a summary of changes made to the surface mine development and operations plans authorized through an inspector’s variation notice and any minor modifications from final designs submitted pursuant to condition 7.3 of the License;
- e) provide the results and interpretation from all quality assurance and quality control programs related to surface mining activities; and
- f) a table indicating the amount of ore extracted from each open pit mined during the year;

Surface Mining Ore Body	Ore Extracted from Area in reporting year (tonnes)	Ore Extracted throughout operating life (tonnes)
Each ore body presented in separate rows		

1.2 Underground Mining

This section must include a summary of all underground mining activities including, but not limited to:

- a) a map showing the extent of all underground mining areas;
- b) as-built drawings of the underground mining area(s) and associated engineered structures, works or installations constructed or altered at the Undertaking during the reporting year;
- c) a summary of any exploration activities conducted to support underground mining;

- d) a summary of changes made to the underground mine development and operations plans that were authorized through an inspector's variation notice and any minor modifications from final designs submitted pursuant to condition 7.3 of the License;
- e) updated drawings for electrification and ventilation of underground development areas if variations from the approved mine plan occurred;
- f) provide the results and interpretation from all quality assurance and quality control programs related to underground mining activities; and
- g) a table indicating the amount of ore extracted, from each underground ore body mined during the year.

Underground Mining Ore Body	Ore Extracted from Area in reporting year (tonnes)	Ore Extracted throughout operating life (tonnes)
<i>Each ore body/zone presented in separate rows</i>		

1.3 Ore Processing and Concentrate Production

This section must include a summary of all ore processing and production activities including, but not limited to:

- a) as-built drawings of the processing facilities and associated engineered structures, works or installations constructed or altered at the Undertaking during the reporting year;
- b) types and amounts of reagents used during ore processing throughout the year, and a comparison of the annual consumption versus the average annual consumption totals for each reagent throughout the operating life;
- c) provide the results and interpretation from all quality assurance and quality control programs related to ore processing and production activities; and
- d) provide the following summary table with respect to milling and production of concentrate. Provide information on each commodity of interest produced.

	Total Ore milled (tonnes)	Average head grade of ore milled	Total Concentrate produced (dmt)	Average concentrate grade (% or g/t)	Total Concentrate removed from site (dmt)
Reporting year (each reporting year insert a new row)					

Cumulative total from the License Effective Date					
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1.4 Ore Stockpiles

This section must include a summary of all ore stockpiling activities including, but not limited to:

- a) the total amount, type and the average grade of ore in each stockpile as of December 31st of the reporting year;
- b) map(s) showing the location, designated name, footprint size (m²) and storage limit (m³) of each stockpile; and
- c) Table depicting the monthly totals of ore added to and removed from each stockpile throughout the reporting year.

	Month (separate column for each month, if no ore is present mark as 0)	Reporting Year Cumulative Total
Volume (m ³) of ore placed in stockpile(s) (separated by grade if applicable)		
Volume (m ³) of ore removed from stockpile(s) (separated by grade if applicable)		

1.5 Waste Rock and Overburden

This section must include a summary of all waste rock and overburden management activities including, but not limited to:

- a) as-built drawings of the waste rock management facilities and associated engineered structures, works or installations constructed or altered at the Undertaking during the reporting year;
- b) a summary of changes made to the waste rock and overburden management plans that were authorized through an inspector's variation notice or minor modifications from final designs submitted pursuant to condition 7.3 of the License;
- c) the results and interpretation from all quality assurance and quality control programs related to waste rock management activities; and
- d) the following table summarizing the total amount of waste rock excavated at the Undertaking and stored in each waste rock management facility. If there are multiple storage locations, each must be reported in a separate row.

	Reporting Year (each reporting year insert a new column)	Cumulative total from the License Effective Date
Waste rock excavated at the Undertaking (t)		
Volume used for construction (m ³) <i>broken into locations where material was used</i>		
Volume stockpiled for construction (m ³)		
Volume placed in Waste Rock Management Facilities (m ³)		
Volume placed in temporary areas (m ³)		
Volume used for underground backfilling (m ³)		
Volume of overburden stockpiled (m ³)		

1.6 Tailings

This section must include a summary of all tailings management activities including but not limited to the following:

- a) As-built drawings of the tailings management facilities and associated engineered structures, works or installations constructed or altered at the Undertaking during the reporting year;
- b) a summary of changes made to the tailings management plan that were authorized through an inspector's variation notice and any minor modifications from final designs submitted pursuant to condition 7.3 of the License;
- c) provide the results and interpretation from all quality assurance and quality control programs related to tailings storage and management activities; and
- d) a table summarizing the amount of tailings deposited in each tailings management facility throughout the reporting year, the cumulative total from the License Effective Date and the remaining storage capacity in the facility.

	Reporting Year	Cumulative total from the License Effective Date	Remaining Storage Capacity in Facility
Volume of tailings produced (m ³)			
Volume of tailings placed as dry stacked tailings (m ³)			

Volume of tailings placed as a slurry (m ³)			
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2 Emergency Response, and Health and Safety

Provide the following information in relation to the health and safety of employees:

- a) a report on the implementation of the emergency response and health and safety plan that includes triggered events, responses, plan updates and training opportunities. This report must include:
 - i. number of days incident free;
 - ii. number and summary of incidents during the reporting year, the responses to these events, and any resulting amendments to emergency procedures; and
 - iii. number and summary of near misses;
- b) number of times onsite health care attendants responded to non-life-threatening injuries or illnesses;
- c) number of times onsite health care attendants responded to life-threatening injuries or illnesses; and
- d) number of times that the Licensee had to seek outside health care services for urgent and non-urgent medical needs.

3 Camp and Ancillary Infrastructure

Provide the following information in relation to the operation of the camp and ancillary infrastructure:

- a) as-built drawings of the camp and any associated engineered structures, buildings, works or installations constructed or altered at the Undertaking during the reporting year; and
- b) remedial actions taken as a result of inspections by territorial or federal agencies.

4 Access and Transportation Management

Provide the following information in relation to transportation on site including the construction, use and management of roads, trails and airstrips.

- a) an up to date map showing all roads, trails, barge landings and airstrips, associated with the Undertaking;
- b) as-built drawings of transportation infrastructure constructed or altered at the Undertaking during the reporting year;
- c) a summary of the volume of traffic, access control issues, wildlife incidents and other accidents during the reporting year;
- d) a summary of the previous and projected use of mine site and access roads; and
- e) the results and interpretation from all quality assurance and quality control programs related to the construction and management of the transportation infrastructure under the Licensee's control.

5 Physical Monitoring

This section must summarize all monitoring and remedial activities undertaken to ensure the physical stability of engineered structures or natural features. The summary must include, but not be limited to the following:

- a) a report on the execution of the physical monitoring plan that includes data from monitoring instrumentation, copies of internal and external inspections, and copies of supporting audits and evaluations undertaken throughout the reporting year;
- b) a summary report on the performance of engineered structures in service during the reporting year, including:
 - i. any operational deficiencies or failures to achieve operational requirements;
 - ii. a detailed record of any major maintenance work carried out;
 - iii. plans to conduct major maintenance work for the following year;
 - iv. a status report on any backup equipment and supplies for emergency management of the engineered structure, including records of exercising such equipment; and
 - v. records of any leakage from the engineered structure;
- c) a summary of any physical instability incidents in the surface or underground mining areas, heap leach areas, waste rock storage facilities or tailings facilities;
- d) details respecting any action taken as a result of the recommendations made by the independent engineer in relation to the inspection referred to in the License; and
- e) any remaining activities related to recommendations that could not be completed during the reporting year and a timeline for their completion.

6 Environmental Monitoring and Management

This section must provide a summary of all activities relating to environmental protection, monitoring, surveillance and management of the Undertaking, including:

- a) a summary of the programs undertaken for environmental protection, monitoring, surveillance and environmental management as outlined by the License, including an analysis of these data and any action taken to monitor or address any changes in environmental performance;
- b) include a summary of any changes to monitoring instrumentation, methodologies or frequencies;
- c) a report on the implementation of the Adaptive Management Plan that includes triggered events, responses, plan updates and engagement activities. This report must include:
 - i. a table of thresholds that were exceeded and the responses to these exceedances;
 - ii. an analysis of trends being seen in relation to the indicators, thresholds and exceedances;
 - iii. identification of performance thresholds that are continually exceeded; and

- iv. A review of the site load and water balance model, updates to the model must be provided if necessary;
- d) a summary and interpretation of geochemical tests undertaken on mine waste materials and ore, including humidity cells and kinetic tests, including the assumptions and conclusions of the geochemical predictions and the effectiveness of existing mitigation measures;
- e) the results of any long-term column tests to study the geochemistry of mine waste materials, ore or water treatment residuals, and implications on the physical stability of facilities prone to geochemical weathering of such materials;
- f) provide the results and interpretation from all quality assurance and quality control programs related to environmental protection, monitoring, surveillance and management of the Undertaking;
- g) a summary of invasive plants that have been identified on the site and measures taken to control or remove invasive plants;
- h) a summary of spills and accidents that occurred at the site and measures taken to respond to any spills or accidents, whether reported to the Yukon spills line or another Yukon government authority;
- i) an inventory of hazardous substances stored on-site and a description of storage environments and locations;
- j) a summary of operating procedures for cyanide-related tasks and their implementation, including the review of any proposed process and operational changes and modifications deemed necessary for potential impacts on personnel health and safety and the incorporation of personnel protection measures;
- k) a summary of all safety measures taken (signs, etc.) to identify the presence of cyanide to personnel;
- l) a summary of all tests and calibration records for HCN monitoring equipment;
- m) a summary of cyanide release or exposure that occurred at the Undertaking, including any hospitalization or fatality related to cyanide, the nature of release and the response or remediation required and any exceedances to cyanide limits in permits or authorizations; and
- n) a summary of all engineered structures, works or installations constructed or altered during the reporting year that are used to support the environmental protection, monitoring, surveillance and management at the Undertaking (i.e. solid waste disposal, sediment and erosion control measures).

7 Socio-economic Monitoring

This section must include a summary of actions taken by the Licensee with respect to implementation of project specific socio-economic plans and programs, including but not limited to the following:

Schedule C - Annual Reporting Requirements

- a) a summary of action taken by the Licensee with respect to implementation of "Minto Socio- Economic Monitoring Program Framework" (the "Framework");
- b) a copy of the annual report prepared by Minto Explorations Ltd., identified in paragraph 6.1 of the Framework; and
- c) a summary of action taken by the Licensee with respect to implementing an approved socio-economic adjustment measures plan, as identified in the Framework.

8 Greenhouse Gas Emissions

This section must provide a summary of greenhouse gas emissions and climate change impacts, including but not limited to the following:

- a) provide the following information on fuel use throughout the reporting year. Where it is reasonable to do so, please distinguish between fuel volumes used for mining and production operations, exploration activities, and closure activities;

	Volume delivered to site (in Litres)	Renewable Fuel Content (%)	Development/ production activities (in Litres)	Exploration activities (in Litres)	Closure activities (in Litres)
Heating Fuel (oil)					
Heating Fuel (propane)					
Heating Fuel (other)					
Aviation Fuel (Jet A)					
Aviation Fuel (Jet B)					
On-site transportation (diesel)					
On-site transportation (gasoline)					
Off-road transportation (diesel) ¹					
Off-road transportation (gasoline)					
Off-site					

¹ E.g., exploration activities.

	Volume delivered to site (in Litres)	Renewable Fuel Content (%)	Development/ production activities (in Litres)	Exploration activities (in Litres)	Closure activities (in Litres)
transportation (diesel) ²					
Off-site transportation (gasoline)					
Electricity production (diesel)					

b) provide the following information for electricity purchased or generated on site;

Source	kWh Energy
Purchased from grid	
Produced using diesel	
Produced using LNG	
Produced using renewable resources (e.g. solar, wind)	

- c) report the hectares of land clearing undertaken throughout the reporting year attributed to exploration, production and closure;
- d) describe activities undertaken throughout the reporting year to reduce project emissions;
 - i. describe future options to reduce greenhouse gas emissions; and
 - ii. describe how you will evaluate options for greenhouse gas reductions;
- e) provide projections for greenhouse gas emissions for the next 10-years. Identify the expected stage(s) of operations throughout the 10-year projection period;
- f) identify any federal or territorial incentive programs that have been accessed to assist in the reduction of emissions; and
- g) identify any financial or other support provided by the Licensee to help community or territorial efforts to reduce emissions.

9 Reclamation Activities

This section must include a summary of all reclamation and closure activities including but not limited to the following:

- a) a map showing the status of all reclamation and closure activities;

² E.g., personnel and supplies transport to and from site; concentrate/product transport on Yukon roadways.

- b) a summary of any temporary closure periods that occurred during the reporting year, including the duration of the temporary closure, and any activities undertaken during this time;
- c) a summary of progressive reclamation activities undertaken throughout the reporting year;
- d) a summary of results from progressive reclamation undertaken in previous years, including an interpretation of the effectiveness of closure measures implemented to date;
- e) a summary of reclamation research programs initiated during the reporting year;
- f) a summary of results from reclamation research programs undertaken in previous years, including an interpretation of the effectiveness of closure measures implemented to date;
- g) a summary of final reclamation activities undertaken throughout the reporting year; and
- h) if permanent closure occurred during the reporting year, provide the date permanent closure commenced and the closure activities undertaken throughout the reporting year to implement the approved closure plan as it pertains to permanent closure.

10 Associated Authorizations

In this section, provide a table of all authorizations from other agencies, both territorial and otherwise, that are required to support mine development and operations, including the expiry date of these authorizations.

Authorization Number	Authorization Permit	Effective Date	Expiry Date
	Example: Land Use Permit, Quarry Permit, Air Emission Permit, Water License, Work in Right of Way Permit		