

Topic	Focus	Question/Comment	Asked Previously?
<b>1.0 Aberdeen-specific Effects</b>	1.1 Groundwater	1 Please include a description of the City's groundwater monitoring and slope stability program in the Application as it relates to the project.	Y
		2 At the end of mine operations, will the open pit be filled with water? If so, what is the impact of that on the groundwater regime specifically in the Aberdeen neighbourhood?	Y
		3 Precipitation falling onto waste rock storage facilities will penetrate below the evaporative zone more quickly than if it was falling onto native grasslands. Does the Proponent have any information pertaining to what kind of increase in groundwater recharge this will result in and what is the impact on the Aberdeen neighbourhood?	Y
		4 Recharge from reclaimed MRSFs should be assessed relative to Aberdeen groundwater stability.	Y
		5 We understand that a number of boreholes have been drilled around the proposed mine area. In order to help us determine what impact the proposed de-watering activities will have on the Aberdeen neighbourhood, we ask that the Proponent provide borehole drilling data including logs, water levels and other hydrogeological information. Our consultants will utilize this information in our groundwater models to determine whether or not there will be impacts to the southwest sector.	Y
		6 Are the study areas outlined for the surface hydrology and groundwater assessments large enough to adequately assess the potential impacts on the entire Aberdeen neighbourhood?	N
		7 How will the mine construction and operations affect groundwater (quantity, flow, direction, etc.)? What will the effects be in Aberdeen and Sahali?	N
	1.2 Noise and Vibration	8 How often will blasting occur (i.e. what are the minimum and maximum number of times blasting will occur each day)? How far away will vibrations be felt? Will proposed subdivisions within the Aberdeen and Pineview Valley neighbourhoods feel vibrations from the blasting? Will blasting be restricted to certain times of the day?	Y
		9 The air blast tests that were conducted were done during clear sky conditions. What are the results of air blasts during adverse weather conditions, specifically conditions that would exacerbate the magnitude of the air blast at the receptors?	Y

Topic	Focus	Question/Comment	Asked Previously?
		10 What level of noise will be heard by the neighbouring residents during mine operation? How will that level increase or decrease when future residential areas are constructed? How will the level(s) of noise differ during different operations (i.e. blasting versus crushing versus back-up-beepers on trucks or equipment on the waste rock piles)? What measures will the Proponent take to reduce the impact of noise?	Y
		11 How will blasting affect future development areas and desirability of the Aberdeen neighbourhood? (both in terms of stability and noise and vibration nuisances)	N
	1.3 Slope Stability	12 Given the significant issue of slope stability in the Aberdeen neighbourhood, it would appear that the current Local Study Areas outlined for the Surface Hydrology and Groundwater assessments are insufficient to adequately assess the potential impacts of the project on this sensitive area of the City. The City's understanding is that the boundaries need to be far enough away from the area being assessed that it does not lock the result (i.e. if a constant head boundary were placed close to an area being evaluated it would probably make the model insensitive to any changes). As the City is quite concerned about the area along Hugh Allan Drive, shouldn't the Local Study Area boundaries be significantly further away?	Y
		13 What is the peak ground acceleration in the Aberdeen area from blasting? We will have our consultants put this information into their stability model to ensure that blasting will not negatively impact stability.	Y
		14 Has the slope stability of Aberdeen been adequately assessed overall?	N
		15 How will blasting (both ground acceleration and PPV) affect the overall Aberdeen area stability?	N
	1.4 Other	16 How will the Aberdeen, Pineview Valley and Knutsford neighbourhoods (those closest to the mine) interact with the mine?	Y
<b>2.0 Community Health and Well-Being</b>	2.1 Food and Food Security	17 Due to the proximity of the proposed mine to residential areas, impacts of dust fall on local/residential gardens need to be taken into consideration. The Application should answer questions about whether or not there will be an increase to the metals content of the food grown by residents in the area, and whether or not residents should be concerned about other potential impacts to their backyard or community gardens.	Y

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		18 Will the mine affect the quality of cattle range land and health of the cattle?	N	
	2.2 General Healthy Living	19 How will KGHM invest in the community to support the improvement of people's quality of life? (outside of direct employment opportunities and the potential to bring newcomers to the community)	Y	
		20 What will be the impact (positive and negative) on the quality of life for Kamloops residents as a result of mining operations?	Y	
		21 How have similar mines affected health and quality of life in other cities/communities in close proximity to mines?	N	
		22 What kinds of support will KGHM provide for wellness/fitness/recreation facilities and activities for residents?	N	
		23 What community and social impacts does KGHM expect to see with respect to prostitution, alcohol/drug consumption, crime, and gambling? What types of mitigation strategies are proposed and what role does KGHM expect the City to play?	N	
	2.3 Human Health		24 Are there health impacts from having high voltage power lines in such close vicinity to residences?	Y
		25 It is understood that KGHM operates a number of other mines in Canada (and North America). As diligent operators of these mines it is assumed that human health impact monitoring/studies have been conducted to ensure that the mines are not negatively impacting the health of the surrounding communities. The City would like to receive copies of these studies.	Y	
		26 Studies must be conducted to understand the effects of noise on human health. The results of the noise studies should reference the Health Impacts of Noise Guidance published by Health Canada (specifically the "Percent Highly Annoyed" criteria which speaks to adverse health effects as a function of project-related long-term changes in noise).	Y	
		27 What are the impacts (both positive and negative) on Royal Inland Hospital? This should include information on the impact (again, both positive and negative) on access to health care services within Kamloops.	Y	
		28 We are concerned about evaporation and leaching from the tailings pond. Does this have the potential to vaporize chemicals? Is there the potential for acid rain? Is there potential for leaching?	Y	

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		29 What are the health impacts to residents within the vicinity of the proposed mine including, but not limited to, details of the chemicals that will be used and the by-products that will be formed during various mining operations (blasting, crushing, concentrating, etc.).	Y
		30 What are the levels of dust going to be on existing and proposed neighbourhoods? We would like to know specifically how much additional dust is going to fall in the surrounding neighbourhoods (Aberdeen, Upper Sahali, Pineview Valley, Dufferin and Knutsford) in any given month and what mitigation measures will be utilized? Will the levels of dust cause health concerns for the general public and/or those with pre-existing respiratory conditions?	Y
		31 Can/has an independent health impact assessment and cost-benefit analysis of the proposed mine be completed? If not, we request that one be completed.	N
		32 How will KGHM assist in the physician shortage in Kamloops, especially if a decline in the number of health care professionals is observed over time, or if they leave due to the approval of the project?	N
		33 How will KGHM prevent effects of reduced air quality in terms of particulate matter (particularly PM2.5)? (e.g. asthma, heart disease, chronic bronchitis, emphysema, pneumonia, premature births, low birth weights, and premature death (Canadian Medical Association 2008)).	N
		34 How will the project affect (positively or negatively) the health care system overall in Kamloops?	N
		35 What are the expected effects of emissions from the results of the Human Health and Ecological Risk Assessment?	N
		36 What will be the health care costs due to potential increase in respiratory problems and illnesses (e.g. asthma)	N
<b>3.0 Environmental Assessment Process</b>	3.1 Consultation	37 What has the consultation between KGHM and the community associations of Aberdeen, Pineview Valley and Knutsford been regarding the proposal?	Y
		38 Have all relevant community groups (i.e. community associations) been adequately consulted?	N

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		39 Will users of Peterson Creek and landowners where the Creek runs through their property be personally advised of the potential change in water quality/quantity due to the project?	N
	3.2 Mapping and Modelling	40 Has both a physical and digital (robust) updated model of the proposed mine site been developed by KGHM?	Y
		41 All pictorial submissions should clearly show the city limits.	Y
		42 All mapping should include the City's growth management boundary. In addition, cross sections should show how the pit, the waste rock piles, the tailings pond and the tailings pile fit in with the City boundary, the urban growth boundary and existing development.	Y
		43 Artist type renderings of the project would be helpful. We ask that "snap shots" be created from different locations around Kamloops and include artists' renderings of what the new view scape will be. Snap shots from the following locations are requested as a minimum: Aberdeen Elementary, Top of Pacific Way in Aberdeen, Pineview Valley, McGowan Park, Entering Kamloops on the Coquihalla, 5A and 5, Batchelor Heights, Knutsford area, Dufferin, Rayleigh	Y
		44 Existing well locations should be shown on groundwater maps, including wells in the Aberdeen area.	Y
		45 Please create a model using a Google Earth type of format. By drawing the facilities into this type of format, residents will be able to point out where their house is located and see what visual impacts (if any) there will be from their own home.	Y
		46 We would like to see a three-dimensional table-top type model constructed of the proposed mine area and the surrounding neighbourhoods.	Y
		47 Do the maps provided by KGHM include every single outbuilding and facility? Has anything been overlooked or excluded?	N
	3.3 Monitoring and Compliance		48 A compliance monitoring plan must be completed. The plan should outline what parameters will be monitored, who those results will be sent to and which agency or level of government will be responsible. Options for including the community should be identified, such as the creation of a public monitoring committee.
		49 Will KGHM provide transparent, accessible and real-time monitoring data on key VCs? If so how will this data influence the mine's	N

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	3.4 Other	operational practices? How will the data be shared with the community? 50 Have secondary-type reports been accessed for data-gathering for baseline studies and effects assessments? (e.g. theses, citizen science reports, desktop reports)	N
<b>4.0 Environmental Effects</b>	4.1 Air Quality and Greenhouse Gas Emissions	51 Is the mine expected to negatively impact air quality within the Kamloops airshed?	Y
		52 Our understanding of the meteorological information provided to-date is that there is only one weather station located within the mine site. As the site is very large (2500 hectares), we are concerned that the complex weather patterns in the area have not been captured. This concern is magnified when considering the implications of using that data in the model.	Y
		53 Please include a description of the City's Air Shed Management Plan as it relates to the project.	Y
		54 A management plan for control of dust/debris and other material, which may affect the visibility of the traveling public, must be completed. Lac Le Jeune Road and possibly the Coquihalla Highway #5 could experience visibility issues for the travelling public.	Y
		55 Please clarify that the air quality assessment includes all trucks and heavy equipment use on site for air/noise modeling.	Y
		56 What is the air quality impact from the additional vehicular traffic generated by the mine (employees, contractors, haul trucks, etc.)?	Y
		57 What are the projections for air emissions and how do they relate to similar sized mines?	N
		58 Can the age distribution profiles of different neighbourhoods in Kamloops be compared to current and projected levels of PM in the air, so that health effects may be evaluated on a neighbourhood to neighbourhood basis? For example, a neighbourhood with predominantly young or elderly residents may be more at risk for respiratory problems.	N
		59 Has KGHM strategically planned the locations of various proposed storage structures and facilities to avoid prevailing wind patterns and topography to avoid dust storms?	N
		60 Have wind patterns been examined throughout Kamloops? How will this affect air quality in different areas of the City?	N

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		61 Based on size and other factors, how will Ajax compare to PM10 and PM2.5 emissions from Highland Valley Copper (HVC), New Gold, Domtar, and Lafarge? (HVC- highest PM2.5 and PM10 emissions in Canada out of all reported industrial sectors in 2014- data available at Environment Canada's National Pollutant Release Inventory).	N
		62 How do PM emissions from similar mines compare to air quality ratings during forest fire season in Kamloops?	N
		63 How will the BC Provincial Air Quality Objective of PM2.5 of <6 ug/m3 be achieved with added air emissions from the mine?	N
		64 Please quantify the additional GHG and other air pollutants the mine would contribute to the Kamloops airshed.	N
		65 What kinds of additional actions will be required by the City to meet air quality and emissions targets if the project is approved? (e.g. gas taxes, increased bus network, electric vehicles, carbon credits, etc.)	N
		66 What will the air quality be in the valley bottom in the event of an inversion during mine operations?	N
		67 What will the breakdown be of gas versus diesel vehicles at the mine site? (World Health Organization: diesel emissions are a Group 1 Carcinogen)	N
		68 Will areas of the mine be seeded with appropriate (native) vegetation to help reduce dust?	N
	4.2 Cumulative Impacts	69 To ensure that any incremental development or expansion of the project beyond those set forth in the Proponent's current project design is properly addressed, the City requests that the non-project mineral deposits that the Proponent owns near or within the City boundaries (i.e. Rainbow, Ajax North, Crescent, Tia Madra, Iron Mask) be assessed for cumulative effects in conjunction with the project review. At stake for the City in this matter of future mineral development and the potential impact to the residential development area designated in the Kamloops Official Community Plan and Aberdeen Community Plans, including but not limited to potential impacts to development of these areas beyond the current proposed lifespan of the project.	Y

Topic	Focus	Question/Comment	Asked Previously?
	4.3 Grasslands	70 What is the total area of grasslands either completely destroyed or negatively impacted by the proposed project? What mitigative measures are proposed to reduce the impact to the grasslands? For example, are there replanting strategies in place for the finished waste rock and tailings piles?	Y
		71 Will grassland areas be lost as a result of the Peterson Creek diversion?	Y
		72 Are there grassland areas used/destroyed by the proposed project which will not be able to be reclaimed/restored? Could other areas be restored into productive grasslands?	N
	4.4 Rare and Sensitive Ecological Communities	73 In KGHM's response letter dated April 7 2013, in response to a question on the impacts on wildlife: "A no net loss policy and effective reclamation will minimize long term impacts". Can this statement be explained/quantified? No net loss policies are not necessarily applicable to all species, especially those with "slow" life history traits, such as reptile species, some fish species, others with low mobility, and species (including plant communities) sensitive to disturbances.	N
	4.5 Sustainability	74 Please outline how the proposed mining operation will abide by the Sustainable Kamloops Plan and will work towards the Kamloops Vision of Sustainability.	Y
	4.6 Water-Groundwater Quality and Quantity	75 A number of residents in the areas surrounding the proposed mine to the south, west and east rely on groundwater wells for their potable water. As part of the environmental assessment process, the Proponent should conduct baseline sampling of those existing wells (including quantity, groundwater level and quality). Please confirm that has occurred.	Y
		76 Consider what, if any, increased recharge there may be to groundwater as a result of the MRSFs. Also, consider the impact of the MRSFs on additional seepage generated.	Y
		77 Please provide confirmation that Jacko Lake will not drain into the Ajax Pit (even over time).	Y



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		78 "Groundwater quantity was selected as a VC for its importance to humans for drinking water, and livestock and irrigation water". The sentence needs to be expanded to include "and its importance in controlling ground stability of certain parts of the SW section (also referred to as the Aberdeen area of Kamloops)".	Y
		79 When the Application describes the methods and results of assessments to evaluate potential effects associated with post-closure on groundwater quantity, it should be specified that it needs to be until the pit reaches equilibrium.	Y
		80 How will leaching and evaporation from the tailings pond be prevented?	N
		81 How will mine operations and construction affect water reservoirs in the area?	N
		82 How will the Proponent ensure runoff from the tailings impoundment won't end up in Peterson Creek?	N
	4.7 Water-Surface Water Quality and Quantity	83 Studying evaporation rates as part of hydrometeorology rates should be included, as well as chemical binding agents.	Y
		84 Evaporation rates need to be included in the list of project activities that could affect the hydrological regime.	Y
		85 What are the impacts of dust from the site deposited aerially into nearby water bodies (i.e. not via direct discharge)?	Y
		86 What are the impacts of dust settling in Inks Lake? Jacko Lake?	Y
		87 What impact will the blasting have on the proposed Coal Hill water reservoir?	Y
		88 Material at the project that will be investigated for ML/ARD potential must include overburden, pit walls, mine rock, ore low grade ore, tailings and borrow material.	Y
		89 Have the temperature differences of water been considered in stream re-routings?	N
		90 How will the diversion of Peterson Creek affect other waterways and the quality of water downstream?	N
		91 Should a Mount Polley disaster occur, and the tailings impoundment fail, what would be the impact to Peterson Creek, the City and the South Thompson (where the City draws its water from)? How would this impact communities downstream who get their drinking water	N

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		from the Thompson River? How far downstream would the impacts be felt?	
		92 What impacts will the proposed mine have on the Thompson River? Will water withdrawals occur during low flow periods or does KGHM intend to withdraw water during freshets? Will this result in the need for the City to enhance water conservation practices that are additional to current practices in order to maintain downstream flows for fish habitat preservation, domestic/agricultural water supply (for licensed users) and other purposes?	N
	4.8 Wildlife-Aquatic	93 How will the blasting impact the fish in Jacko Lake?	Y
	94 How will the re-routing of Peterson Creek impact the fish and wildlife associated with that creek?	Y	
	95 What is the impact on fish and wildlife based on the proposed water intake volumes?	Y	
	96 What wildlife species (comprehensive list) will be affected by the mine construction and operations? Include both listed and unlisted species.	Y	
	97 What mitigation, exactly, will be done to create additional high value fish and/or wildlife habitat in and around Jacko Lake due to changes to the lake and the Peterson Creek diversion?	N	
	4.9 Wildlife-Terrestrial	98 Coyote, black bear, cougar, and yellow-bellied marmots should be included in the list of impacted mammal species.	Y
	99 Although Goose Lake is not fish bearing, it is used by wildlife, especially birds. What will be the impact to wildlife in the area with the loss of Goose Lake and surrounding areas?	Y	
	100 Barn Owl, Great Horned Owl and Snowy Owl need to be included in the list of impacted raptor species	Y	
	101 What is the impact on wildlife by removing this quantity of grassland?	Y	
	102 Reports/studies of blasting and vibration on reptile species must be included in the Application.	N	
	103 Special consideration needs to be given to a broader range of pollinator species (in addition to dragonflies and butterflies) given their importance in many ecosystems.	N	

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		104 What wildlife species (comprehensive list) will be affected by the mine construction and operations? Including both listed and unlisted species.	N
	4.10 Other	105 Wherever the term "pollution" is used in the Application, a definition of the term must be included.	Y
		106 What is the full list of chemicals to be used and what chemicals and by-products will constitute mine emissions? What is the corresponding impact to the environment?	N
<b>5.0 Infrastructure, Public Facilities and Services</b>	5.1 Housing	107 How will the construction workforce be accommodated and where? (i.e. construction camp in or near city, hotel/motel accommodations, local RV parks, others)?	N
		108 Kamloops is the Tournament Capital of Canada. Will there be adequate temporary housing needs and hotel capacity for visiting sports teams, tourists, as well as mine employees/contractors, if work force is temporary or requiring accommodation in Kamloops?	N
	5.2 Police, Fire	109 It is important for the City to understand what the Proponent's expectations are with respect to fire protection and response time. Some of the proposed facilities are within the City of Kamloops but located such a distance from the nearest fire station that our response time would be well over industry standards for this type of operation. We require details from the Proponent regarding their expectations with respect to fire protection and emergency response. If they are not expecting service from the City of Kamloops, they should provide a detailed fire protection plan for review by Kamloops Fire Rescue.	Y
		110 Open pit mining requires personnel for mine rescue operations specific to the site. As Kamloops Fire Rescue does not have the equipment or training to perform mine rescue, the Proponent should provide details as to how mine rescue operations are to be performed and what they will be expecting from Kamloops Fire Rescue.	Y
		111 What are the needs of the mine in terms of support for emergency services from the City and RCMP?	N
	5.3 Solid Waste	112 Other than waste rock and tailings, what types of wastes will be generated during mine operations? What are the expectations around disposal of this waste?	Y
		113 How much waste is anticipated on a monthly or yearly basis?	Y

Topic	Focus	Question/Comment	Asked Previously?
		114 How much material will be recycled by the Proponent?	Y
		115 How much material is anticipated to enter the City's solid waste system (either being land filled or recycled)?	Y
		116 Will the mine require the use of City waste disposal facilities?	N
	5.4 Transportation	117 Lac Le Jeune Road is used by school buses and residential traffic and does not seem the best option for a haul route. We strongly suggest using Inks Lake Road as much as possible. This route would alleviate any conflict between large haul trucks and residential/school bus traffic and would be the most direct route to the Coquihalla interchange.	Y
		118 The Copperhead Interchange with the Trans Canada Highway is used by Dufferin and Pineview Valley neighbourhoods and is adjacent to an elementary school. We are concerned about mine traffic in general and what impacts they will have on this intersection.	Y
		119 We need to know what the impact will be on Lac Le Jeune Road when most (if not all) of the mine's employees will be travelling that route on a daily basis. We can then determine what it will cost to upgrade the road to a standard which will support this amount of traffic. Additionally, we will be able to calculate the additional cost to maintain the road (especially during the winter time) to a standard which will be safe for this type of traffic.	Y
		120 We require confirmation and details of the route that the Proponent plans to use for hauling the concentrate to Vancouver. We have concerns about haul trucks using Lac Le Jeune Road north of the proposed mine site as this road was not built to a standard which would accommodate this type or amount of traffic. To the best of our knowledge, Lac Le Jeune Road is not built to a highway standard on any portion of the road regardless of whether or not it is in the City of Kamloops or the Thompson-Nicola Regional District. It is simply a rural road.	Y
		121 What will the impacts be on the timing of the Aberdeen Drive/Copperhead Drive extensions contemplated in TravelSmart and KAMPLAN?	Y
		122 Will additional traffic generated on roadways within the southwest sector negatively impact those areas from a desirability perspective?	Y

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		123 How will the proposed mine affect traffic flow and future road construction in the City?	N
		124 What assurances are made that the Copperhead Interchange will not experience an increase in traffic due to the mine?	N
		125 How will bus routes be affected?	N
	5.5 Other	126 What are the impacts of closing Goose Lake Road?	N
		127 What will be the indirect demand to City services resulting from any population growth impacts due to the project?	
		128 Will the mine require the use of any other existing infrastructure from the City? (other than waste disposal, roads, and others addressed separately)	N
<b>6.0 Mine Plan and Operations</b>	6.1 Access Roads, Site Roads, and Transport Corridors	129 Please provide details about what material will be used for capping access and site roads.	Y
	6.2 Community Relations	130 How will the Proponent deal with complaints?	N
		131 Will the City or the public be able to contact someone 24/7 (due to dust, noise, light issues, etc.)?	N
	6.3 Decommissioning and Closure	132 Is the tailings pile going to be progressively closed?	Y
		133 The length, location, and frequency of monitoring after closure of the mine based on permit requirements should be included in the Application.	Y
		134 What commodity price is required for the mine to operate? Will the mine close prematurely if these prices are not available in the market?	N
		135 If the project closes prematurely will the mine closure plan be implemented in its fullest, and what assurances will be put in place (such as financial security) to ensure that required mitigation measures (such as dust suppression) continue to be maintained and monitored?	N
		136 What is the monitoring plan for environmental effects, etc. after the mine's life-span and closure?	N

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	6.4 Design	137 What will be the impacts on the City's future growth from the proposed power lines? We are concerned the proposed location will impact a future growth area of the City that is highlighted in the Official Community Plan (north of Peterson Creek and south of Gamble Pond).	Y
		138 Please describe the difference between a collection system and a suppression system.	Y
		139 How much of the mine rock will be placed back into the pit. Will the pit be filled 1/4 full with mine rock, 1/2 full, etc.?	Y
		140 Upon reviewing the technical background work completed by the Proponent, our consultants have identified a potential risk to Jacko Lake. The pit dewatering calculations have not made an allowance for the bulging/fracturing of the section between Jacko Lake and the pit. This lack of evaluation of "relaxation" of the pit wall is commented on by the Proponent's consultants and identified as a risk in one of the technical reports. This must be further studied and reported on in the Application.	Y
		141 All of the proposed storage areas must be identified. Will there need to be storage areas established for times of extreme weather (most especially in the winter time) when the roads are impassable and trucks hauling concentrate are not able to leave/enter the site? If so, where will these areas be located? What capacity will they be designed to store?	Y
	6.5 Disaster Planning	142 How would a major accident or disaster affect Kamloops residents?	N
		143 What steps has the Proponent taken to ensure a disaster or failure as seen at Mount Polley does not occur in Kamloops?	N
		144 What is the potential for failure of the TSF dam?	
		145 What monitoring plans are proposed to ensure safety of the TSF and MRSF?	
	6.6 General Operations	146 Has the Proponent considered using water from Kamloops Sewage Treatment Centre in mining operations?	N
	6.7 Location	147 The closest Project facility to the neighbourhood of Aberdeen is the EWRSF at approximately 1.7 km. How does the location of the EWRSF relate to the potential location of the ancillary facilities in terms of their proximity to the Aberdeen neighbourhood?	Y

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	6.8 Mineral Rights	148 What future mineral rights does KGHM hold in the southwest sector? We would like to have an understanding of the future expansion perspective within the area.	Y
	6.9 Noise, Vibration, and Blasting	149 Information pertaining to the impacts of changing from electric/hydraulic trucks to traditional trucks should be provided. Also, please confirm that the air and noise related to all heavy equipment use on site will be included in the air/noise models.	Y
		150 The impact of noise from the mine equipment must be included in the assessment. Additionally, the level of noise at given distances away from the property should be indicated. Those levels should also be given in comparison to noises which the average person can understand.	Y
		151 Noises from blasting should be measured at various distances away from the property and presented in a manner which can be understood by the average person. For example, the blasting noise will be__?__ decibels at 1.5 km from the pit which is comparable to __?__ (for example the noise from the trains being shunted 1.5 km away, a strike of lightning 3 km away, etc.).	Y
		152 Regarding sound levels of equipment, it is imperative that the Application fully considers loaded trucks that are going uphill and downhill, while utilizing engine brakes. This will reflect what the true noise conditions of the mine may be.	Y
		153 A Noise Management Plan must be completed which deals with compounding effects of noise, mitigation measures to reduce noise impacts and plans for dealing with noise complaints (should they arise).	Y
		154 The testing of air blast impacts was conducted during clear sky conditions. Air blast impacts must be considered during all conditions. Additionally, a reduction in air blast impacts as distance from the site increases must be demonstrated in the Application.	Y
		155 Vibration should not only be considered as a human health VC, but also as it relates to City and private infrastructure.	Y

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		156 We would like to have advanced notification of the exact timing of future limited scale tests or full-scale test blasts so that we can utilize our existing vibrating wire piezometers to determine if impacts are felt in the areas of slope stability (instability). Please provide us with information (exact date and time) for the next round of test blasting and detailed information about the blast size and how and where it will be conducted.	Y
		157 Are there new blasting study data due to the change in the mine's general arrangement?	N
	6.10 Reclamation	158 What will the mine site look like after the end of operations?	N
		159 What is the vision for the site after closure/reclamation?	N
	6.11 Tailings Management	160 Additional plans need to be included which are specific to the Tailings Storage Facility (TSF) including a Secondary Containment Plan, an Emergency Response Plan, Monitoring Plan and a Contingency Plan. In light of the significant issues with the Mount Polley tailings impoundment, the move to a conventional tailings system in the Ajax Project is concerning. The Tailings facility is proposed to be located at the upstream end of the Peterson Creek Watershed. Being that Peterson Creek drains through downtown Kamloops and discharges into the South Thompson River approximately 900 m downstream from the City's river water intake, any issues related to the tailings facility could have significant negative impacts on Kamloops. It is imperative that the utmost care and attention be paid to designing, reviewing and double/triple checking this structure.	Y
		161 How will the structural integrity of the new tailings impoundment be ensured?	N
	6.12 Other	162 It has been indicated that Kinder Morgan will be expanding their pipeline network which will include twinning in some areas. The Proponent should indicate whether or not the twinning/expansion will be conducted within the areas of the mine and (if so), an impact assessment should be included in the AIR.	Y
<b>7.0 Socio-Economic Impacts</b>	7.1 Branding and Tourism	163 How will the mine impact the character and perception of the community?	Y
		164 How will the mine be integrated with the existing community?	Y
		165 How can the presence of the mine add value to Canada's Tournament Capital?	N



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		166 How does KGHM propose to integrate itself into the promotion of Kamloops being a place to visit?	N
		167 How will the project benefit or impact tourism (both day trips and multi-day trips) and recreation in Kamloops? Will tourism be lost or diverted to other destinations during construction and operations phases, and will closure planning provide any benefit to the City?	N
		168 What are some scenarios of how Kamloops' branding (Tournament Capital) will be affected?	N
	7.2 Business	169 How will the project benefit or impact the retail sector in Kamloops?	N
		170 How will the project benefit or impact the technology sector in Kamloops?	N
		171 How will the project detract from other investments into the community? How will KGHM assess such impacts, and what mitigative measures will be enacted?	N
	7.3 Dark Sky	172 The Kamloops Astronomical Society has an observatory at Stake Lake which was put there specifically due to the quality of the dark sky. They are able to maintain their dark sky designation due to the cooperation of the residents of Stake Lake. We would like confirmation that the Proponent will work with the Kamloops Astronomical Society to reduce the impact of the proposed mine on their observatory and implement some of their recommendations for types of lighting.	Y
		173 What will be the impact of 24-hour operations on the surrounding neighbourhoods (existing and proposed) with respect to mine lighting? What level of light during the non-daylight hours can residents expect and what mitigation measures will be used?	Y
	7.4 Desirability	174 What impact will the proximity of the mine have on the desirability of future residents living in this major growth area? Should the Aberdeen neighbourhood become a less desirable neighbourhood, to the point where residential growth is significantly slower than anticipated or does not occur at all, what growth impact, pressures and costs will this place on other areas in the city not having the infrastructure in place?	Y

Topic	Focus	Question/Comment	Asked Previously?
		175 Will impacts from the mine (further to questions above related to light, noise, dust, vibrations, etc.) make the Aberdeen, Pineview Valley and Dufferin neighbourhoods less desirable places to live? This may cause additional growth in other areas in the City which may not have sufficient transportation infrastructure in place.	Y
		176 How would the mine affect enrolment and retention/attraction of professionals and students at TRU?	N
	7.5 Economic Diversification and Growth	177 It is widely understood that the proposed mine will create approximately 385 jobs over the life of the mine and approximately 1000 during the initial two years of construction. Obviously these jobs will have a positive impact on the City. We would like more information on what the other economic spin offs there will be from the proposed mine? Please quantify.	Y
		178 Please quantify the economic spinoffs of the proposed mine in terms of: employment creation (construction/operation/decommissioning phase, direct/indirect); income generation (in each phase); economic development opportunities (in each phase)	N
		179 Will KGHM require support from the City to determine and ensure that any project benefits (i.e. job creation, business opportunities) will actually accrue to the City? And what will the City need to do to ensure that benefits accrue locally?	N
	7.6 Future Planning	180 Upon mine closure, will Kamloops see a large reduction of residents who were former mine employees? How will this affect property values? Will there be other job opportunities for former mine employees elsewhere in the Kamloops region? (keeping in mind closures of HVC as well).	N
		181 What will be the lasting legacy or long-term impact of a mine of these proportions in Kamloops?	N
	7.7 Labour Force, Employment and Training	182 How many (and what type) of jobs will the mine provide? How do those vary from the current jobs (both type and number) in Kamloops?	Y
		183 Please translate the employment generation into population growth projections attributable directly to the mine (based on local labour availability, consequent in-migration to take up mine related and spin off jobs and the family characteristics of in-migrants). These projections will allow us a greater sense of understanding around	Y

Topic	Focus	Question/Comment	Asked Previously?
		when key population thresholds (e.g. 100,000 and 120,000) will be reached.	
		184 What are local employment projections for mine construction and operation? How many workers will be temporary? Permanent? Is there a revised labour-force breakdown for types of jobs, number and duration? (Updates?)	Y
		185 What are the local employment generation projections during mine construction and operation activities - both direct jobs, as well as 'spin-off' employment? Please translate this into population growth projections attributable directly to the mine (based on local labour availability, consequent in-migration to take up mine and related jobs, and the family characteristics of in-migrants). These projections would allow us to have a greater sense of when key population thresholds (100,000 and 120,000) would be reached.	Y
		186 What current jobs are potentially at risk if the mine is approved?	Y
		187 What is the total estimated payroll of the mine? What percentage is that of the current payroll within the City?	Y
		188 Will the City have difficulties in securing contractors/consultants and other services (would the mine stimulate inflationary concerns within the local economy)?	N
		189 Will workers stay or leave in between shifts? Will work force primarily be from out of town (e.g. Fort McMurray) Or will Kamloops have enough qualified workers to fill the need?	N
	7.8 Land and Resource Use	190 How will groundwater availability be affected for surrounding neighbourhoods and residents and users?	N
		191 How will ranching practices be affected?	N
	7.9 Property Values	192 How will property values in different areas be affected during construction, operation, and closure phases?	Y
		193 Is there the possibility of reduced property values with a power line located very close to (or even on) certain properties?	Y
		194 How have similar mines affected property values in other cities/communities?	N
	7.10 Recreation	195 Is there the potential to preserve Jacko Lake and its surroundings as a recreation area by swapping (exchanging) the private land around it with Crown Land?	Y

Topic	Focus	Question/Comment	Asked Previously?
		196 The areas proposed for the mine facilities are recreational areas. Please quantify the impact that the proposed mine will have on the recreational use of these areas. What proposed rehabilitation or upgrade works are proposed?	Y
		197 What will be the quality of (affect on) Jacko Lake as a fishing lake if a 450 m deep open pit is located immediately adjacent?	Y
		198 What are the impacts of losing Goose Lake? How will those impacts be mitigated?	N
		199 How will the use of the Kamloops Astronomical Society observatory at Stake Lake be impacted?	N
		200 What are the impacts to recreational use (including camping) of Edith Lake?	N
		201 What rehabilitation or other steps will be taken to mitigate lost recreational opportunities in the mine area?	N
	7.11 Visual Impact/ Aesthetic Features	202 Has the Proponent explored using a buffer between the mine and current/future Aberdeen and Knutsford neighbourhoods?	Y
		203 Please detail the mitigative measure that will be undertaken to reduce the aesthetic impacts of the mines waste rock and tailings facilities both during and after operation (i.e. sloping, seeding, planting, etc.)	Y
		204 What are the aesthetic impacts on surrounding properties from the finalized power line location?	Y
		205 What other options have been explored for locations of the waste rock and tailings piles?	Y
		206 What will be the impact of shadowing from the tailing and waste rock piles? We ask that the Proponent conduct a shadow impact study of these facilities for all four seasons.	Y
		207 Are there possible structural buffers available for noise, dust, light between the mine and nearby residential neighbourhoods?	N
		208 What will be visible from Hwy 5 and 5A driving into Kamloops? (Visitors and potential visitors will see this first).	N
		209 What will be visible from other roads surrounding the site and in Kamloops?	N
	7.12 Other	210 Does KGHM have a community investment plan?	N



Topic	Focus	Question/Comment	Asked Previously?
		211 What mitigation measures would KGHM employ to minimize potential social/community disturbances from an influx of migrants (in particular during construction)?	N

**Abbreviations and Definitions**

- AIR- Application Information Requirements
- dAIR- Draft Application Information Requirements
- EWRSF- East Waste Rock Storage Facility
- KAMPLAN- Kamloops Official Community Plan
- KGHM- The Proponent (KGHM Ajax Mining Inc.)
- ML/ARD- Metal Leaching/Acid Rock Drainage
- MRSF- Mine Rock Storage Facility
- PM- Particulate Matter
- Proponent- KGHM Ajax Mining Inc.
- PPV- Peak Particle Velocity
- TSF- Tailings Storage Facility
- VC- Valued Component