				PART E, ITEM 25, 26 27 Review Process			
PART E, ITEM 25, Item Line# 26 and Item 27 Review Process	LMI Submissions June 8-9, 2020	CIRNAC August 25, 2020 – Godwin Okonkwo – See Appendix R	LMI Response to Recommendations September 30, 2020 – See Appendix S	CIRNAC Comments October 9, 2020 - Godwin Okonkwo – See Appendix D	LMI Response October 19, 2020 – See Appendix E	CIRNAC Response to NWB October 30, 2020 - Godwin Okonkwo – See Appendix R	NWB Letter – Part E, Items 25, 26, 27 Conditions have been met - November 2, 2020 – See Appendix D
1 NWB Emails	On June 10, 2020, the NWB emailed acknowledging LMI's submission and requested that interested parties submit comments by June 24, 2020.	On August 17, 2020, NWB emailed CIRNAC to double check if they will be providing comments on the LMI submissions.  CIRNAC replied on August 18, 2020 that his entire team was on vacation and would have responses by end of the week but if the time had past to comment CIRNAC would accept it that way.	On August 26, 2020, NWB emailed LMI advising that CIRNA had missed the original deadline for comments, the NWB requests LMI provide response to comments by September 25, 2020.		The NWB requests LMI submit a response to CIRNA reply by October 19, 2020.	The NWB requests CIRNAC reply by October 22, 2020 whether or not LMI response addresses CIRNAC's comments.	The Nunavut Water Board (NWB or Board) received from Lupin Mines Incorporated (LMI or Applicant) on June 8, 2020, three Technical Memorandums for Board review addressing Part E, Items 25, 26, and 27, of Water Licence 2AM-LUP2032 (Licence), with respect to the final closure and reclamation of the Lupin Mine Project (Project), as outlined below.  • Water Licence Condition Part E-25 Design for the Waste Rock "Dome" at Lupin Mine, addressing Part E, Item 25, of the Licence;  • 2AM-LUP2032 Technical Memorandum on Additional Geotechnical Details on TCA Dam K, and Dam M Cross Sections, addressing Part E, Item 26, of the Licence; and  • 2AM-LUP2032 Technical Memorandum on Exposed Tailings Preliminary Cover Design, addressing Part E, Item 27, of the Licence.  The Technical Memorandums were submitted to provide final plans for the aforementioned aspects of the closure and reclamation of the Lupin Mine site. These documents were distributed for a public review on June 10, 2020, requesting comments be submitted from interested parties by June 24, 2020.  Comments were received from the Kitikmeot Inuit Association (KIA) on June 24, 2020, and from Crown-Indigenous Relations and Northern Affairs (CIRNA), on August 25, 2020, following a request to extend the deadline for comments. Environment and Climate Change Canada (ECCC) advised the Board on June 24, 2020, that they reviewed the materials provided by LMI according to their mandate and have no comments at this time.  Copies of all documents received during the review of the information can be accessed through the NWB's Public Registry and FTP site using the following link: ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-LUP2032%20LMI/3%20TECH/E%20WASTE%20DISP/  In their submission dated June 24, 2020, the KIA noted a need for a good understanding of waste rock quality for optimal Waste Rock Dome construction, requested additional information regarding geotechnical aspects of dam construction, and invited additional rational for tailings cover plans

								on August 4, 2020, fully addressing comments and concerns brought up during the review, closing by stating that "LMI looks forward to working with the KitlA on the development of a Post Closure Monitoring Plan (PCMP) in accordance with Schedule J of the Licence." The KIA confirmed on August 12, 2020, their satisfaction with the information provided.  In their submission dated August 25, 2020, CIRNA commented on erosion control measures planned for the waste rock dome, and site-specific designs for tailing's preliminary cover design. LMI provided a response on September 30, 2020, providing clarification regarding erosion controls for the waste rock dome, and site-specific designs for tailing's preliminary cover design. On October 9, 2020, CIRNA provided a response requesting additional information, that LMI responded to on October 19, 2020. CIRNA confirmed on October 30, that they had no further comments.  By copy of this letter, the Board confirms that it has completed its review of the above mentioned Technical Memorandums and related submissions, and finds the information functional and generally satisfying Part E, Items 25, 26, and 27 of Water Licence 2AM-LUP2032.
2	PART E – Conditions Applying to Waste Disposal and Management – ITEM 25	LMI Submissions June 8-9, 2020	CIRNAC August 25, 2020 – Godwin Okonkwo – See Appendix D	LMI Response to Recommendations September 30, 2020 – See Appendix E	CIRNAC Comments October 9, 2020 - Godwin Okonkwo – See Appendix D	LMI Response October 19, 2020 – See Appendix E	CIRNAC Response to NWB October 30, 2020 - Godwin Okonkwo – See Appendix D	LMI Commitments Status to the NWB to address CIRNAC's recommendations as of July 7, 2021
3	LMI WATER LICENCE CONDITIONS: The Licensee shall, within sixty (60) days following the approval of the Licence, submit to the Board for review, a Technical Memorandum that provides design details on the Waste Rock Dome, including but not limited to the following: a. Cardinal direction cross sections and slopes; b. Details on drainage systems and conceptual water features; and c. Erosion control measures and cover stabilization of the dome.	See Appendix I for LMI's memo and designs fulfilling LMI's water licence term and condition Part E, Item 25						
4	1 CIRNAC Comment		CIRNAC COMMENT:  Review of the information provided in the Golder memo indicated some new information in terms of design details and related design data to support the assessment of the long-term stability and performance of the proposed concept. No additional discussions were provided in the body		CIRNAC COMMENT:  Lack of Erosion Controls on 10% slopes of esker cover - LMI's September 30, 2020 reply indicates that the nature of the cover material is such that it will seal armour as surface erosion removes fines and annual inspections and equipment will be on site to monitor and repair if erosion is an issue.		CIRNAC SATISFIED with LMI RESPONSES and COMMITMENTS: see below (Rows 5, 7 and 9)	

			required.				
6	2 CIRNAC Comment	CIRNAC COMMENT:		CIRNAC COMMENT:			
		COMMENT 2: The plans and sections indicate that		Lack of information to demonstrate stability of			
		surface water runoff from the 1.6% surface slope,		designs LMI's September 30, 2020 reply indicates			
		is expected to be drained off the dome, down the		that additional design details will be provided in			
		10% slopes, via 6 runoff "drainage chutes". Surface		their "Subsequent Issued for Construction			
		runoff is to be directed to these "chutes" by a		Drawings" and provided additional comments on			
		small perimeter berm along the edge of the dome		the intent of the designs. CIRNAC anticipates the			
		surface (0.5m high, 0.5m crest width, 2:1 slopes)		opportunity to review the "Subsequent Issued for			
		constructed with the same esker material as the		Construction Drawings" from LMI to confirm if it			
		1m dome cover surface. Given the importance of		addresses CIRNAC's questions. More detailed			
		this berm in preventing overland sheet flow to the		topographic information is also required to ensure			
		10% slopes, CIRNAC is concerned with the long-		that water runoff is not allowed to migrate			
		term stability of the berm design as presented. No		tangentially along the toe of the dome			
		information was provided to support the designs		embankment. This work should be done in			
		of the top perimeter berm, the chutes, or the		advance of the dome construction work so it is			
		stilling basins. No drainage elevations were		clear to all parties involved as to the work required			
		provided with respect to surface grading on the top of the dome edges, and no information is		to properly install the esker dome cap.			
		provided with respect to the drainage runoff flows					
		leaving the "stilling basins" at the toe of the dome.					
		No details were provided for the toe of the 10%					
		slopes, nor for runoff from "stilling basins", which					
		in some locations could undercut the toe of the					
		cover (see north central discharge). In the absence					
		of these information we question the long-term					
		erosion stability of the designs.					
7	2. CIRNAC	RECOMMENDATION 2: CIRNAC recommends that	LMI RESPONSE:	CIRNAC Recommendation: CIRNAC recommends	LMI RESPONSE:	CIRNAC SATISFIED with LMI RESPONSES and	LMI COMMITMENT STATUS:
	Recommendations and	LMI provide the information stated above to	The two drawings that were attached to the	that the 'Subsequent Issued for Construction	LMI will provide the NWB with construction	COMMITMENTS:	LMI committed to provide construction drawings to be review as
	LMI Responses	demonstrate the long-term erosion stability of the	Technical Memo are Revision A drawings that are	Drawings" be provided by LMI for review in	drawings as required under water licence 2AM-	2. CIRNAC appreciates the commitment by LMI to	per their water licence, under Part G, Item 1. LMI has provided
		designs.	labelled "Not for Construction". These Rev A	advance of the dome construction work.	LUP2032.	provide the construction drawings to the Nunavut	the construction drawings as required under Part G, Item 1 of the
			drawings provide more detail than was required to			Water Board as required by the water licence.	water licence. LMI believes they have addresses CIRNAC's
			meet commitment E-25. Additional design details			CIRNAC looks forward to reviewing these	concerns and the construction drawings are under the NWB
			will be provided on subsequent Rev 0 "Issued for			construction drawings.	review process. (see Appendix E)
			Construction" drawings.				LMI has fulfilled the commitment to the NWB and CIRNAC.
			It is intended that the alignment of the perimeter				
			berms will be angled such that runoff striking the				
			inner toe of the berms will have a gentle but				
			positive drainage path to the nearest chute.				
			Details of the alignment and the toe elevations will				
			be provided in the Rev 0 drawings.				
			The typical cross-section and typical profile shown				
			on Drawing 2, show the configuration and erosion				
			protection design of the drainage chutes. Drawing				
			1 Rev A shows the number and location of the				
			chutes. More details (i.e., set out points and invert				
			elevations) will be provided later in the Rev 0				
			drawings.				
			It is intended that runoff discharging from the				
			stilling basins will flow away from the dome,				
			rather than tangentially along the toe. The same is				
			the state of the s				
		 	true of the sheet runoff off the 10% sideslopes. For				
			the most part, this will happen naturally because				
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			the most part, this will happen naturally because the "dome" is sited on the top of a natural hill. If, after the adjacent waste rock is excavated from				
			the most part, this will happen naturally because the "dome" is sited on the top of a natural hill. If, after the adjacent waste rock is excavated from the toe, there remain any areas where flow would				
			the most part, this will happen naturally because the "dome" is sited on the top of a natural hill. If, after the adjacent waste rock is excavated from the toe, there remain any areas where flow would otherwise occur tangentially along the toe of the				
			the most part, this will happen naturally because the "dome" is sited on the top of a natural hill. If, after the adjacent waste rock is excavated from the toe, there remain any areas where flow would otherwise occur tangentially along the toe of the dome, this flow will be redirected away from the				
			the most part, this will happen naturally because the "dome" is sited on the top of a natural hill. If, after the adjacent waste rock is excavated from the toe, there remain any areas where flow would otherwise occur tangentially along the toe of the				

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				estimated quantities of soil and rock requiring clean up. This information is publicly available on the NWB ftp site. Also, electronic copies of these reports have been made available to the Contractor along with a separate plan showing the known locations of planned clean up. LMI has also developed a protocol for the clean up activities, which uses a combination of field screening and confirmatory lab analysis techniques to establish the excavation limits. It should also be noted that, should contaminated soil or rock become evident at locations other than those shown in the existing documents, the affected soil and rock will be cleaned up according to the protocol.  Disposal of waste materials into the crown pillar openings and shafts has been described in the FCRP and approved under the water licence. WSCC Chief Inspector of Mines approval was granted on 29 June 2020.  The Technical Memo submitted on 8 June 2020 was intended to address the specific requirements Part E, Item 25 of water licence 2AM-LUP2032. Clean up activities began in 2020 and were undertaken following the cleanup protocol discussed above.	stakeholders to fully understand the work to be done, and inspectors have the means by which to ensure the work is being executed in accordance with the design documents.	documentation.	Waters and Nunavut Surface Rights Tribunal Act and the Department of Crown Indigenous Relations and Northern Affairs Act, and other associated legislation and policies.  2. CIRNAC appreciates the commitment by LMI to provide the construction drawings to the Nunavut Water Board as required by the water licence. CIRNAC looks forward to reviewing these construction drawings.  3. CIRNAC appreciates the provision of the approval leer from WSCC Chief Inspector of Mines.	LMI committed to provide construction drawings to address CIRNAC's comments and the construction drawings have been submitted under Part G, Item 1 of the water licence. The construction drawings are currently under the review process by the NWB. LMI commitment has been fulfilled. (see Appendix E) LMI provided the approval letter from WSCC as requested and CIRNAC advised that they appreciated the provision of the approval letter from WSCC Chief Inspector of Mines. This commit was fulfilled. (see Appendix S)  LMI has fulfilled the commitments to the NWB and CIRNAC.
10	PART E – Conditions Applying to Waste Disposal and Management – ITEM 26	LMI Submissions June 8-9, 2020	CIRNAC August 25, 2020	LMI Response to Recommendations September 30, 2020	CIRNAC Comments October 9, 2020 - Godwin Okonkwo	LMI Response October 19, 2020	CIRNAC Response to NWB October 30, 2020	LMI Commitments Status to the NWB to address CIRNAC's recommendations as of July 7, 2021
	LMI WATER LICENCE CONDITION:  The Licensee shall, within sixty (60) days following the approval of the Licence, submit to the Board for review, a Technical Memorandum that provides additional geotechnical details on TCA Dam K and Dam M cross sections, including but not limited to the following:  a. Magnified image that clearly identifies the materials used for the re-sloping, the distance that the re- sloping materials will extend from the crest of these Dams (including a break line with minimums and maximums noted), and the distances to the closure water mark;	See Appendix J, J1 and J2 for LMI memo, designs and specifications fulfilling LMI's water licence term and condition Part E, Item 26 and Part G, Item 1	CIRNAC did not provide any comments/concerns on Item26	No comments/concerns to provide a response	CIRNAC did not provide any comments/concerns on Item26	No comments/concerns to provide a response	CIRNAC did not provide any comments/concerns on Item26	LMI considered this item resolved as CIRNAC did not provide any responses, comments on concerns in regard to Part E, Item 26 and Part G, Item 1. (see Appendix J, J1 and J2)

11	b. Perpendicular/ longitudinal cross section of the outflow structures for Cell 5 and Cell 3, with invert elevations from the cover to the ponds, and a note to clarify the storm return period that will be used for designing the features.  PART E – Conditions Applying to Waste		CIRNAC August 25, 2020 – Godwin Okonkwo –	LMI Response to Recommendations September	CIRNAC Comments October 9, 2020 - Godwin	LMI Response October 19, 2020 – See	CIRNAC Response to NWB October 30, 2020 -	LMI Commitments Status to the NWB to address CIRNAC's
	Disposal and Management – ITEM 27	LMI Submissions June 8-9, 2020	See Appendix R	30, 2020 – See Appendix S	Okonkwo – See Appendix R	Appendix S	Godwin Okonkwo – See Appendix R	recommendations as of July 7, 2021
12	LMI WATER LICENCE CONDITION: The Licensee shall, within sixty (60) days following the approval of the Licence, submit to the Board for review, a Technical Memorandum that provides rationale and detailed designs of cover construction for tailings that becomes exposed, including but not limited to the following: a. Further rationale supporting in-situ cover as a contingency measure; b. Preliminary detail designs; c. Typical cross sections; and d. Long-term erosion control measures.	See Appendix K for LMI memo, Cell 4 designs fulfilling LMI's water licence term and condition Part E, Item 27						
13	4 CIRNAC Comment		CIRNAC COMMENT:  CIRNAC appreciates the information provided by this submission with respect to both the rationale and the design approach for the Cell 4 exposed tailings. In general, CIRNAC has no issues with this information or the plans sections and details provided. However, it is noted that Cell 4 exposed tailings are known exposed tailings. The Nunavut Water Board request was to provide details on how LMI would handle tailings that could potentially become exposed when drawing down the water levels in the ponds.  While it can be inferred that the approach to covering any newly exposed tailings that might result from drawing down Ponds 1 and 2 would be		CIRNAC COMMENT:  LMI's September 30, 2020 reply referred to the previously provided "decision matrix" and supporting information provided in response to Commitment No. 8 from the Technical Meeting/Pre-Hearing Conference and also referred to Appendix H-1 and H-10 of the recently submitted FCRP (28 September 2020).  CIRNAC has not reviewed the referenced FCRP document. CIRNAC's design request emanated from review of LMI's previous submissions.		CIRNAC SATISFIED with LMI RESPONSES and COMMITMENTS: See below (Row 14)	

14	4 CIRNAC Recommendation and LMI Responses		the same as that used for covering the Cell 4 tailings, no details or discussions have been presented on how such tailings covers would be placed and secured. It is important for LMI to indicate whether esker materials will be placed directly over the tailings or if a geotextile filter clothe be placed prior to placing esker materials over the tailings, and if the perimeters of the cover material will be stabilized with geotextile fabric and boulder materials? At this point in time, the Stantec's comment on how any potentially exposed tailings materials would be handled is that "If other exposed tailings are found, outside of the identified Cell 4 area, specific design will be done according to specific site conditions. The general criteria above will apply, along with specific design feature(s) as needed once site condition and specifics are identified."  RECOMMENDATION 4:  CIRNAC recommends that LMI provides the necessary site specific design(s) for any such tailings area cover(s) for review before LMI can cover any exposed tailings.	LMI RESPONSE  LMI has provided, through the regulatory process Public Hearing Exhibit No. 6, a technical memorandum dated 9 January 2020 regarding, supporting information to the contingency contaminants management decision matrix and an additional technical memorandum in response to Commitment No.8 from the Technical Meeting/Pre- hearing Conference regarding, exposed contaminants at closure water levels. Refer to Appendix H-1 and H-10, respectively, of the recently submitted updated FCRP for	CIRNAC Recommendation: CIRNAC recommends that the recently submitted FCRP be provided for review by interested parties.	LMI RESPONSE: The NWB has provided the updated FCRP for interested parties to review and provide comments.	CIRNAC SATISFIED with LMI RESPONSES and COMMITMENTS:  1. CIRNAC will review the September 28, 2020 updated Final Closure and Reclamation Plan provided for review by the Nunavut Water Board on October 13, 2020. CIRNAC will review the updated FRCP and provide comments pursuant to its mandated responsibilities under the Nunavut Waters and Nunavut Surface Rights Tribunal Act and the Department of Crown Indigenous Relations and Northern Affairs Act, and other associated legislation and policies.	LMI COMMITMENT STATUS:  CIRNAC requested an opportunity to review the recently submitted updated FCRP. The updated FCRP Rev 1 (September 28, 2020) had been sent by the NWB for interested parties to review at the time LMI responded on to CIRNAC on Oct 19, 2020. LMI's commitment has been fulfilled. (see Appendix B-B6)  LMI also committed compliance with our Type A Water Licence and approved closure plans which includes CIRNAC's request for site specific designs for any such tailings area cover(s) for review before LMI can cover any exposed tailings. This would be under Part G, Item 1 of the water licence should LMI encounter any exposed tailings.
				additional copy. Moving forward, LMI is committed to compliance with our Type A Water Licence and approved closure plans.	Part I, Item 2 - Updated FCRP Rev 1 Review Process		CIRNAC appreciates the commitment by LMI to provide the construction drawings to the Nunavut Water Board as required by the water licence.     CIRNAC looks forward to reviewing these construction drawings.	LMI has fulfilled the commitment to the NWB and CIRNAC.
15	Part I, Item 2 - Updated FCRP Review Process	LMI Submission September 28, 2020	CIRNAC comments November 17, 2020 - Godwin Okonkwo – See Appendix U	LMI Response February 1, 2021 – See Appendix V	CIRNAC comments February 16, 2021 – Sarah Forte – See Appendix U	LMI Response March 19, 2021 – See Appendix V	NWB Letter – Approval of Updated FCRP - March 26, 2021 – See Appendix F	LMI Commitments Status to the NWB to address CIRNAC's recommendations as of July 7, 2021
16	LMI WATER LICENCE CONDITION:  The Licensee shall, within ninety (90) days of approval of the Licence, submit to the Board for review, an updated Final Closure and Reclamation Plan, to address relevant comments and recommendations provided by intervening parties and the Board during the review process for the Application.	See Appendix B-B6 for LMI's updated FCRP with attachments submitted on September 28, 2020 to address relevant comments and recommendations provided by intervening parties and the Board during the review process of the Application. The Application process ended on February 28, 2020.	The NWB emailed the updated FCRP Rev 1 on October 13, 2020 inviting interested parties to comment by November 10, 2020.		The NWB emailed LMI's responses on Feb 2, 2021 requested that interested parties advise whether or not LMI's addressed their recommendations by February 16, 2021. CIRNAC requested an extension to February 17, 2021. +	The NWB emails LMI to response to interested parties comments by March 15, 2021	The Nunavut Water Board (NWB or Board) received from Lupin Mines Incorporated (LMI or Applicant) on September 28, 2020, a updated Final Closure and Reclamation Plan for the Lupin Mine Project, for Board approval as required under Part I, Item 2, of Type A Water Licence 2AM-LUP2032 (Licence). The Management Plan presents the final closure obligations and plans with the intention of "ensuring that the site is returned to a condition that protects the health and safety of Nunavut residents and the environment around the Lupin Mine."  On October 13, 2020, the Plan was distributed for a one-month public review. By November 17, 2020, comments were received from the Kitikmeot Inuit Association (KIA), Crown-Indigenous Relations and Northern Affairs (CIRNA), and Environment and Climate Change Canada. On February 1, 2021, LMI provided a response to these comments that was	

		plus intervenor review comments on LMI's submission and remaining concerns raised by Intervenors with respect to the LMI responses provided to date.  ii) LMI update the R1 FCRP to include information related to Conditions 25, 26, and 27 of the approved Water Licence 2AM-LUP2032.	submitted on September 28, 2020. Technical Memorandum were submitted to the NWB in compliance with specific terms and conditions (i.e., Part E) are already a part of the NWB registry. LMI would refer CIRNAC to the NWB Reasons for Decision that provides a list of submissions and correspondence in Appendix D.  iii) LMI notes the technical review of information related to Water Licence 2AM-LUP2032 Part E, Item 25, 26 & 27 was only concluded by the NWB on 2 November 2020. LMI will provide an updated Rev2 of the FCRP in the 2020 Annual Report due 31 March 2021.	request for revision 2 of the FCRP. CIRNAC recommends that both a disposition table and information pertaining to licence conditions Part E, Items 25, 26 & 27 be included in revision 2, and that interveners be an opportunity to review revision 2 when it is provided.	As required by the Licence, information from Part E, Items 25, 26 and 27 addressed in 2020 will be included as an addendum to the 2020 Annual Report.	Other commitments under Part E, Item 25, 26 (no commitments) and 27 involve construction drawings which are to be submitted to the NWB under Part G, Item 1 not the Annual Report. The Part E, Item 25 construction drawings have been submitted to the NWB and currently under review. (see Appendix E)  LMI's commitments to the NWB and CIRNAC have been fulfilled.
19	2 CIRNAC Comment	CIRNAC COMMENT:  The FCRP Rev 1 (August 2020) includes Table 14 which provides a schedule that was prepared on March 2019.  This schedule needs to be updated to remove items that are no longer valid (e.g., includes line items that refer to work to be done under Care and Maintenance) and include all activities agreed to by LMI including such items/activities as follows:  • Construction of water management structures related to "dome";  • Stabilization and erosion protection of tailings dams (M, K, etc.);  • Removal for placement in tailings cells, or cover in place, existing or future exposed tailings (after dewatering); and,  • Construction of water management features (drainage swales and discharge structures) in tailings cells.  In addition to the above, the March 2019 schedule does not reflect the actual works carried out in 2019 or 2020. It  would be helpful if LMI can provide a more detailed and updated schedule that includes all actions to be undertaken, links with LMI's RECLAIM estimate and milestones, and illustrates actual verses planned progress as well as any proposed future schedule revisions. This update to the FCRP will provide a better understanding of the state of the closure works and scheduled revisions/adjustments LMI may be proposing going forward.				
20	2 CIRNAC Recommendation and LMI Responses	CIRNAC recommends that LMI provide a more detailed and updated schedule for the reclamation works consistent with the work completed as reflected in the Security Reduction requests of 2020. The updated schedule should include the original 2019 proposed project schedule timelines as shown in the R1 FCRP, the actual work carried out to the end of 2020, and any proposed revisions to the schedule going forward. The schedule should be updated to include line items for all activities committed to by LMI.	LMI RESPONS:  LMI is committed to compliance and submission of the Annual Report on March 31, 2021 to reflect works completed in 2020 and will include in accordance with Schedule B, Item 1, Part m) a summary of any abandonment and reclamation work completed during the year and an outline of any work anticipated for the next year.	CIRNAC recommended the FCRP include a detailed and updated work schedule. LMI is committing to provide this information with the Annual Report. This does not address our concern, as the work schedule included in the current version of the FCRP is inaccurate and out of date. CIRNAC recommends version 2 of the FCRP include an updated and accurate work schedule.	LMI RESPONSE:  LMI will provide an updated 2021 proposed work schedule in the Annual Report or as soon as finalized for implementation.	LMI COMMITMENT STATUS:  LMI has submitted the proposed 2021 work schedule — updated Table 14 to the Inspector on June 15, 2021 and LMI has also submitted the updated schedule (Table 14) as an addendum of the FCRP (Rev 2) (Appendix G) with the Annual Report (extension granted to file Annual Report on June 26, 2020 and accepted by CIRNAC) (Appendix H) to the NWB which is currently under review.  LMI submitted a further detailed earthworks schedule to the CIRNAC inspector on June 20, 2021.  LMI's commitments to the NWB and CIRNAC have been

				fulfilled.
21 3 CIRNAC Comment	CIRNAC COMMENT:  The R1 FCRP states that approximately 16,000 m3 heavily arsenic impacted soils and 35,200 m3 of PHC impacted soils (S4.3.2.3, p. 4-6) exist on site that will require active management and disposal.  On page 4-9 in regard to arsenic impacted soils  LMI states; "The heavily arsenic impacted shallow material will be ex-situ remediated using conventional techniques (i.e., excavators, haul trucks, and dozers) and will be excavated and disposed of within the shafts or open crown pillars for isolation."  On the same page in regard to the PHC impacted soils LMI states that; "35,200 m3 of PHC impacted soil kMI states that; "35,200 m3 of PHC impacted soil has been identified at 13 historical maintenance, fueling, and fuel storage locations across the Site (Golder 2017a).  These locations include: the STF and Powerhouse, the Mill and Office Emergency Tanks, the Main Tank Farm Loaders, the Main Tank Farm Bedding Sand, the Emergency Powerhouse, the South Burn Pit, the Landfill, the RTL Shop, the North Burn Pit, the Incinerator, Cold Storage #1, the Former Airstrip Fuelling Area, and the former Ball Field. This material will be ex-situ remediated using conventional techniques (i.e., excavators, haul trucks, and dozers) and disposed of in the shafts or open crown pillars."  No drawings were provided in the R1 FCRP document identifying the location and extent of the areas with heavily impacted arsenic or PHCs requiring excavation. In the absence of a drawing providing this information it is difficult to confirm that all of these impacted materials have been removed from these locations before consolidating the waste rock at the mill site.			
3 CIRNAC Recommendation and LMI Responses	CIRNAC recommends that LMI provide a detailed site plan that identifies the location and estimated extent of heavily impacted arsenic soils, and PHC impacted soils that are expected to be excavated and placed underground. CIRNAC also requests that LMI clarify how it will confirm that these materials have been removed prior to waste rock regrading and cover placement.  LMI RESPONSE:  Further to the ESA completed in 2006 and upd the 2017 Updated Phase 1 & II Environmental Assessment completed by Golder, a detailed si indicating the locations of heavily impacted ars soils and PHC impacted soils that will be excavand disposed underground is attached (Figure extents of the excavations will be determined field through the completion of field screening confirmatory soil sampling. LMI will confirm the implementation of the contaminated soils qual assurance / quality control (QA/QC) plan outlin Appendix C2 of the Post Closure Monitoring PI to the NWB on 9 April 2021 in accordance with Item 13 of the Licence.	petroleum hydrocarbon (PHC) impacted soils, as well as information on the method for confirming contaminated materials removal prior to further work. The licensee has provided a figure with test pit locations, indicating which ones have exceedances. This map does not estimate potential extents, does not indicate which exceedances are for arsenic or PHC, and has no indication of potential depth of contamination. Furthermore LMI deferred answering how they will confirm removal of contaminated materials until April 9, 2021, when the Quality Assurance (Quality Control).	LMI RESPONSE:  The two ESA's (Morrow, 2006 and Golder, 2017) provide a thorough compilation of all data known on the nature and extent of soil contamination in the mill area. Table 29 in the 2017 Updated Phase 1 & 2 Environmental Site Assessment completed by Golder provides an explicit estimate of the potential volumes, including the exceedances for arsenic and PHC, and indicates the potential areas and depths of contamination for PHCs.  Remediation was carried out in 2020 or will be completed in 2021 at each of the exceedance test pits shown on the figure. The final extents and volumes of the excavations will be determined in the field through the completion of field screening and confirmatory soil sampling as per the approved FCRP.  The August 2020 QA/QC Plan, was intended to be filed with the updated FCRP but did not get placed on the NWB ftp site. (We can only assume the email did not go through as there	LMI COMMITMENT STATUS:  LMI provided the detailed site plan with locations as requested by CIRNAC and directed CIRNAC to the Phase 1, Phase 2 (Appendix O and O1) and updated Phase 1 and Phase 2 ESA (Appendix P) that show location and extents of arsenic and PHC impacted soils. The updated Phase 1 and Phase 2 ESA was reviewed by the NWB and interveners in Oct/Nov 2017 and was included with the FCRP's as supporting documentation.  The QA/QC plan (August 2020) (Appendix L) was provided to CIRNAC and to the NWB. CIRNAC has provided comments to NWB on the QA/QC plan (Appendix M) and LMI has provided responses to the NWB (Appendix N). The review is still in process.  LMI's commitments to the NWB and CIRNAC have been fulfilled.

			contaminated materials, since it forms part of	were a large number of documents filed with	
			the reclamation work and needs to be	the updated FCRP.) A copy of the August 2020	
			completed prior to post closure monitoring.	QA/QC Plan is attached to this document, and	
				has been resubmitted to the NWB and is	
				currently out for review by interested parties.	
				An updated draft version, dated February 2021,	
				has been provided to CIRNAC, and will be	
				submitted with the draft PCMP on April 8, 2021.	
				·	
				Attachment(s):	
				Figure 1 – Locations of Contaminated Soils to	
				be Excavated (19136158-0005-CM-0001-B-SIZE)	
				(with February 1, 2021 responses)	
				<ul> <li>August 2020 QA/QC (with March 17, 2021</li> </ul>	
				response)	
23 4 CIRNAC Comment	CIRNAC COMMENT:				
	Discussion of closure of the underground and				
	placement of material into the underground is				
	found in the Executive Summary 5a) and Section				
	4.3.2.4 Underground Workings, and in Figures 6,				
	13, and 14. Review of these sections notes that on				
	page 4- 14 LMI states the Preferred Reclamation				
	activities will; "modify the previous plan for the				
	West Zone disposal as shown on Figure 14. The				
	modified plan would address the void areas and				
	increase the storage capacity. Instead of				
	developing additional drop raises in the remaining				
	crown pillar for disposal, the new plan would be to				
	blast down the remaining crown pillar, creating an				
	open slope trench approximately 260 m in length				
	and approximately 72 m deep".				
	Consistent with these statements, on page 4-15				
	Synthesis of Preferred Activities into a				
	Reclamation Plan, LMI states that "The remaining				
	West Zone crown pillar will be collapsed to provide				
	additional disposal capacity and to prevent future				
	post-closure stability problems. The main haulage				
	shaft, fresh air raise, and the exhaust raise will be				
	completely backfilled to prevent access. Site				
	materials and equipment, waste rock, and				
	hydrocarbon contaminated soils will be disposed of				
	in these areas".				
	Upon review of the R1 FCRP Figures 6, 13, and 14,				
	CIRNAC identified the following:				
	•Figure 6 notes that it provides a Site Plan showing				
	the West Zone and provides some notes on open				
	depths and a "ramp" in the areas referred to as				
	WZ Crown Pillar Pit and WZ Underground Disposal		1		
	WZ Crown Pillar Pit and WZ Underground Disposal Key Cross Section Locations (5).				l.
	Key Cross Section Locations (5).				
24 4 CIRNAC	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more	LMI Response:	<u>CIRNAC recommended</u> the licensee include a	LMI Response:	LMI COMMITMENT STATUS:
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the	LMI Response: The updated FCRP Rev1 submitted on September 28,	more detailed discussion on how the surface	LMI Response: LMI will include the information requested as	LMI COMMITMENT STATUS:  LMI committed to provide the additional information
	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the		·		LMI committed to provide the additional information
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the	more detailed discussion on how the surface	LMI will include the information requested as committed in Part E, Item 25, to provide the	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  •How surface openings and the open stope will be	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials	more detailed discussion on how the surface openings and the open stope would be filled,	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  How surface openings and the open stope will be filled.	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then	more detailed discussion on how the surface openings and the open stope would be filled, and how long term subsidence of fill material	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction drawings.	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  How surface openings and the open stope will be filled.  How long-term subsidence of fill materials will be	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings.	more detailed discussion on how the surface openings and the open stope would be filled, and how long term subsidence of fill material would be avoided. The licensee has responded "the surface openings and the open stope will be	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction drawings.  Please find attached the requested approved	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been submitted to the NWB are currently under review. (see
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  How surface openings and the open stope will be filled.  How long-term subsidence of fill materials will be avoided.	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings.  ii) As shown on Figure 10, the entire west zone crown	more detailed discussion on how the surface openings and the open stope would be filled, and how long term subsidence of fill material would be avoided. The licensee has responded "the surface openings and the open stope will be completely filled. Waste materials will be	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction drawings.	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been submitted to the NWB are currently under review. (see Appendix E)
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  How surface openings and the open stope will be filled.  How long-term subsidence of fill materials will be avoided.	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings.	more detailed discussion on how the surface openings and the open stope would be filled, and how long term subsidence of fill material would be avoided. The licensee has responded "the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction drawings.  Please find attached the requested approved	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been submitted to the NWB are currently under review. (see
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  How surface openings and the open stope will be filled.  How long-term subsidence of fill materials will be avoided.  The information provided to the Mines Inspector	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings.  ii) As shown on Figure 10, the entire west zone crown	more detailed discussion on how the surface openings and the open stope would be filled, and how long term subsidence of fill material would be avoided. The licensee has responded "the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings." As well,	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction drawings.  Please find attached the requested approved documents by the Mines Inspector.  Attachment(s):	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been submitted to the NWB are currently under review. (see Appendix E)
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  How surface openings and the open stope will be filled.  How long-term subsidence of fill materials will be avoided.  The information provided to the Mines Inspector with respect to final closure of surface openings.	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings.  ii) As shown on Figure 10, the entire west zone crown pillar area will fall within the footprint of the waste	more detailed discussion on how the surface openings and the open stope would be filled, and how long term subsidence of fill material would be avoided. The licensee has responded "the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings." As well, they state they expect subsidence to occur	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction drawings.  Please find attached the requested approved documents by the Mines Inspector.  Attachment(s):  • Drill-Blast Execution Plan Crown Pillar Blasting	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been submitted to the NWB are currently under review. (see Appendix E)  LMI provided the requested drill/blast documentation with their submission on March 19, 2021. (see Appendix S)
Recommendation and	Key Cross Section Locations (5).  CIRNAC recommends that LMI provide more detailed discussions and plans related to the following:  How surface openings and the open stope will be filled.  How long-term subsidence of fill materials will be avoided.  The information provided to the Mines Inspector with respect to final closure of surface openings.	The updated FCRP Rev1 submitted on September 28, 2020, confirms that the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings.  ii) As shown on Figure 10, the entire west zone crown pillar area will fall within the footprint of the waste rock "dome". As shown on Figure 6, the ground	more detailed discussion on how the surface openings and the open stope would be filled, and how long term subsidence of fill material would be avoided. The licensee has responded "the surface openings and the open stope will be completely filled. Waste materials will be dumped beside the openings and then progressively dozed into the openings." As well,	LMI will include the information requested as committed in Part E, Item 25, to provide the addition information with the construction drawings.  Please find attached the requested approved documents by the Mines Inspector.  Attachment(s):	LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been submitted to the NWB are currently under review. (see Appendix E)  LMI provided the requested drill/blast documentation with

		ganarally varies between Flay FO2 and FO1 m. with	assammedated during final grading. This	* West Zone Crown Biller Block Locations Blon	fulfilled.
		generally varies between Elev. 502 and 501 m, with lower elevations on the north end. Comparing this to	accommodated during final grading. This	West Zone Crown Pillar Blast Locations – Plan view; and	tuitilled.
		the dome grading plan (TM of June 8, 2020 in	information is not sufficiently detailed to evaluate the likelihood of its effectiveness. For	·	
		response to condition E-25) shows that the total	example, does the "progressive dozing	M8277 Break-Away Drill and Blast – Lupin	
		cover over the crown pillar (including the 1 m esker		Mine Closure – West Zone Pillar	
		cover) will generally be about 4 m. It is expected that	into the openings" involve pushing end-dumped		
		most of the fill subsidence will occur while the dome	material over the opening edge with the		
		is being constructed and so it will be accommodated	bulldozer, or will the fill be placed in lifts,		
		in the final grading. Any longterm subsidence can be	allowing the bulldozer to track over and compact the material? The method used will		
		corrected by placing additional esker material in the	have an incidence on the likelihood of		
		subsidence area to bring it back up to grade. A small	subsidence. CIRNAC recommends LMI include		
		volume of esker material will be stockpiled on the	the information requested in version 2 of the		
		dome for this purpose.	FCRP.		
		iii) The information provided to the Mines Inspector	CIRNAC also recommended the documents		
		on June 29 was confirmed and provided to the NWB	provided to the Mines Inspector with respect to		
		in response to CIRNAC similar question related to the	final closure of the surface openings be shared,		
		technical review of term and condition Part E, Item	as presently we only have a copy of the		
		25.	authorization letter. Documents referred to in		
			the authorization letter which we would like to		
			see are:		
			x 2020-06-25 Drilling and Blasting Plan		
			Approval;		
			x West Zone Crown Pillar Blast Locations – Plan		
			view; and		
			x M8277 Break-Away Drill and Blast – Lupin		
			Mine Closure – West Zone Pilla[sic].		
25 5 CIRNAC Comment	CIRNAC COMMENT:				
	Since the development of the draft FCRP, CIRNAC				
	has expressed concerns regarding the long-term				
	effectiveness and erosion stability of the proposed				
	dome cover and water management systems.				
	Prior to the Public Hearing of January 2020, LMI				
	replied through a series of discussions and the				
	Technical Memos included in Appendix H-8				
	(Technical Memorandum in Appendix H-8				
	regarding Conceptual Design for the Waste Rock				
	"Dome" at Lupin Mine for response to TM/PHC				
	Commitment No.5 (Golder, 2019d).				
	Pursuant to the Public Hearing, in response to				
	Condition 25 of the Water Licence, Golder				
	provided a Technical Memorandum dated 8 June				
	2020 that included a brief discussion on the				
	"Dome" Design Objective and two "Not for				
	Construction" drawings; one provided a Plan View				
	drawing of the proposed dome, and the other provided two cross sections through the proposed				
	"dome" along with typical details of the proposed				
	drainage chutes, and the crest perimeter berm.				
	CIRNAC appreciated LMI's submission of the				
	additional information in the Technical  Memorandum and subsequently provided review				
	comments to the NWB for LMI consideration.				
	CIRNAC notes that the 8 June 2020 memo and				
	drawings from LMI were not included in the R1				
	FCRP document.				
26 F CIDNAC		LAM DECDONCE:	CIDNAC	LAMIDECDONICE	LANI COMMUTANTALI STATUS
26 5 CIRNAC	CIRNAC recommends that the R1 FCRP be updated	LMI RESPONSE:	CIRNAC recommended information LMI	LMI RESPONSE:	LMI COMMITMENT STATUS:
Recommendation and	to include:	LMI notes the technical review of information related	submitted in a technical memo on June 8, 2020 regarding conceptual design for the waste rock	LMI considers this item resolved.	LMI has committed to provide an FCRP Rev 2 addendum
LMI Responses	•The contents of the 8 June 2020 Golder Technical	to Water Licence 2AM-LUP2032 Part E, Item 25, 26 &	"dome" be integrated into the FCRP.		including the approved information during the review process
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	Memorandum responding to Condition 25 requirements.  •CIRNAC concerns on the "dome" design related to long term erosion, as expressed in CIRNAC comments on the Condition 25 Submissions as dated 25 August 2020.  •Any further design details that LMI may have generated since June 2020 with respect to the "dome" design.	27 was only concluded by the NWB on 2 November 2020 wherein, NWB confirms that it has completed its review of the above mentioned Technical Memorandums and related submissions, and finds the information functional and generally satisfying Part E, Items 25, 26, and 27 of Water Licence 2AM-LUP2032. Refer to document titled 201102 2AM0LUP2032 Part E, Item 25, 26, 27-ODDE.pdf at ftp://ftp.nwboen.ca/registry/2%20MINING%20MILLI NG/2A/2AM%20-%20Mining/2AMLUP2032%20LMI/3%20TECH/E%20 WASTE%20DISP/ LMI will provide an updated Rev2 of the FCRP in the 2020 Annual Report due 31 March 2021. The updated FCRP Rev1 was submitted to the NWB on September 28, 2020.	Furthermore CIRNAC requested that our concerns raised on August 25, 2020 be addressed and any further details or modifications for these reclamation works developed since June 2020 be provided. LMI has committed to doing so in revision 2 of the FCRP, which CIRNAC will review once received.		of Part E, Item 25, 26 and 27. (see Appendix G)  LMI committed to provide the additional information requested by CIRNAC for Part E, Item 25 with the construction drawings under Part G, Item 1 of the water licence. The construction drawings and technical memorandum have been submitted to the NWB are currently under review. (see Appendix E)  LMI's commitments to the NWB and CIRNAC have been fulfilled.
27 6 CIRNAC Comment	CIRNAC COMMENT:  Condition 26 is a Licence condition generated with respect to addressing the concerns expressed and the request for additional information by Intervenors to clarify the nature and extent of long term stabilization and closure works at the TCA, and in particular as related to K and M dam repairs and long term stability and erosion control.  By way of a Technical Memorandum from Stantec dated 8 June 2020, LMI provided a substantial information package that included design notes, specifications, and a series of drawings (plans, sections, profiles, and details) related to the proposed closure works for the TCA area.  Specifically, the package included 15 drawings: 1  Design Specification drawing, 4 Cell 5 drawings; 4  Cell 3 drawings; 3M Dam drawings; and 3 K Dam drawings.  CIRNAC notes that the 8 June 2020 memo and drawings were not included in the R1 FCRP document.				
28 6 CIRNAC Recommendation and LIMI Responses	CIRNAC recommends that the R1 FCRP be updated to include:  • The contents of the 8 June 2020 Stantec Technical Memorandum responding to Condition 26 requirements.  • Any further revisions or details that LMI may have generated since June 2020 with respect to the closure works at the TCA.	LMI RESPONSE:  LMI notes the technical review of information related to Water Licence 2AM-LUP2032 Part E, Item 25, 26 & 27 was only concluded by the NWB on 2 November 2020. LMI will provide an updated Rev2 of the FCRP in the 2020 Annual Report due 31 March 2021. The updated FCRP Rev1 was submitted to the NWB on September 28, 2020.	CIRNAC recommended the design notes, specifications and drawings for long term stabilization and closure work at the tailings containment area including Dams K & M provided in a June 8, 2020 technical memo for Part E, Item 26 of the licence, be incorporated into the FCRP. Additionally CIRNAC requested any further details or modifications for these reclamation works developed since June 2020. LMI has committed to doing so in revision 2 of the FCRP, which CIRNAC will review once received.	LMI response:  LMI considers this item resolved.	LMI COMMITMENT STATUS:  LMI has committed to provide FCRP Rev 2 addendum to include the approved information during the review process of Part E, Item 25, 26, 27. The FCRP Rev 2 addendum has been submitted the NWB is currently in the review process. (see Appendix G)  There are no further details or modifications for these reclamation works since June 2020.  LMI's commitments to the NWB and CIRNAC have been fulfilled.
29 7 CIRNAC Comment	CIRNAC COMMENT:  Figure 11 of the R1 FCRP shows that a tailings cover is to be placed in the area contained by the N Dam. No other reference is made to work at the N Dam or covering of the N Dam tailings in the R1 FCRP document.  Appendix H-03 TCA Dam Stability Review Rev O dated 14 November 2020, includes modeled cross sections of the N Dam (Fig 30, 31, and 32) as part of the geotechnical stability analysis. Given that				

30	7 CIRNAC Recommendation and	the downstream embankment of the N Dam was mostly underwater in 2019 it is unclear how the profile was generated.  LMI's provision of additional TCA details in the 8 June 2020 Stantec Technical Memorandum and drawing package addresses the N Dam tailings cover in Drawing 002 Cell 5 Closure, Plan View - in which Note 3 states that topographic and bathymetric surveys were not available due to ponded water, that dewatering is required before cover placement, and that the contractor is to adjust cover placement to ensure a 1 m cover thickness. The drawings do not clearly indicate water flow management in this area, e.g., will there be an outlet from this area, and if so where and how it will be constructed.  CIRNAC recommends that LMI provide additional information with respect to the contour	LMI RESPONSE:	CIRNAC requested the contour information used in the N Dam Safety analysis and the final	LMI RESPONSE:	LMI COMMITMENT STATUS:
	LMI Responses	information with respect to the contour information used in the N Dam Safety analysis as well as on the final contour elevations and associated water management for the N Dam containment area.	Dam N profiles were generated using the bathymetric survey information as outlined in the FCRP Technical Memorandum: 2AM-LUP2032 related Technical Meeting Commitment No.6 Response – Geotechnical Review on the long-term stability of the TCA Dams (Refer to Updated FCRP, Appendix H_03). Based on currently available information, Cell N cover will be shaped to shed water and does not require an outlet.	contour elevations and associated water management for the N Dam containment area be shared. The licensee indicated which contour information they used to generate N Dam profiles, and indicated "Cell N cover will be shaped to shed water and does not require an outlet." Plans for the shape of the Cell N cover are not in the FCRP, and CIRNAC recommends they be included for future review.	Cell N is included in the approved TCA Closure Plan, and will be covered as per the approved TCA Closure Plan with minimum 1 m of esker and sloped for passive drainage. LMI will provide the contour information in the updated FCRP addendum being submitted with the Annual Report on March 31, 2021.	LMI committed to provide the Cell N contour information with the FCRP Rev 2 addendum (Appendix G) along with the Annual Report (Appendix H) which has been submitted to the NWB and in the review process.  LMI's commitments to the NWB and CIRNAC have been fulfilled.
31	8 CIRNAC Comment	CIRNAC COMMENT:  In regard to Financial Security, Section 7 has been significantly altered to remove discussion of former liability estimate and other related information. The R1 FCRP makes reference to LMI's January 2020 RECLAIM estimate of \$23,463,049; the release framework and milestones; states that \$6,549,072 was released to LMI in April 2020, and that the new letter of credit approved 9 June 2020 is in the amount of \$19,558,231. CIRNAC appreciates inclusion of this current detail, and observed no discussion on the difference in security held and LMI's RECLAIM estimate value less the released amount (\$2,644,254). This may lead to confusion when parties review the RECLAIM model to evaluate reduction of security and the amount of security still being held.				
32	8 CIRANC Recommendation and LMI Responses	CIRNAC recommends that LMI provide a brief discussion on the difference in security held and LMI's RECLAIM estimate value less the released amount.	LMI Response:  In January of 2020, the security for 2AM-LUP1520 was \$26,107,303. LMI's revised RECLAIM estimate submitted in January 2020 was in the amount of \$23,463,049. The NWB decision when approving the renewed/FRCP water licence 2AM-LUP2032 was to keep the security the same, being \$26,107,303. In April of 2020 LMI obtained a release in the amount of \$6,549,072 leaving the total security at \$19,558,231. In October of 2020 LMI obtaining another release in the amount of \$4,984,477 leaving the total security of January 2021 at \$14,573.754.	CIRNAC requested the licensee provide a discussion on the security estimate values. LMI has provided the requested information in their reply and CIRNAC recommends they incorporate these up to date figures in their FCRP.	LMI Response:  LMI will incorporate these figures in the updated FCRP addendum.	LMI COMMITMENT STATUS:  LMI committed to providing updated security estimate values in the FCRP Rev 2 addendum (Appendix H) with the Annual Report. (see Appendix G)  The Annual Report has been submitted with the above stated Addendum with the NWB and is currently under review.  LMI's commitments to the NWB and CIRNAC have been fulfilled.
33	1A CIRNAC NEW Comment on February	No Comment		CIRNAC COMMENT: In general, LMI's responses do not address		

16, 2021		CIRNAC's comments and many defer integrating		
10, 2022		information until version 2 of the FCRP.		
		Therefore, CIRNAC's general recommendation is		
		for the Nunavut Water Board to defer approval		
		of the plan until interveners have been able to		
		review version 2 of the FCRP. Version 2 of the		
		FCRP is expected to be submitted at the end of		
		March 2021, with the 2020 Annual Report for		
		water licence 2AMLUP2032.		
		CIRNAC is concerned with LMI's repeated		
		deferral of our requests for information which		
		would allow for the evaluation of the potential		
		effectiveness of their proposed reclamation		
		1 1		
		strategies. The remainder of this letter is		
		separated into two sections, the first regarding		
		information which CIRNAC has been requesting		
		since the water licence renewal process and the		
		second section contains specific replies to each		
		of LMI's responses. Both sections have been		
		developed with the support of Arcadis Canada		
		Inc.		
24 14 815141			LMI DECDONICE.	
34 1A NEW			LMI RESPONSE:	LMI COMMITMENT STATUS:
Recommendation on			First, LMI would clarify with CIRNAC, the FCRP	It should be noted that within the February 16, 2021 CIRNAC
February 16, 2021			was approved by the Minister on approval of	comments, CIRNAC is requesting new information that LMI is
			the Licence on April 9, 2020. The updated FCRP	
			subject to "review" by the NWB to ensure it is	seeing for the first time in regard to Part E, Item 26 which was
			updated to address relevant comments,	already reviewed and satisfied by CIRNAC on October 30, 2020
			recommendations provided by intervening	and the NWB on November 2, 2020. CIRNAC had the
			parties and the Board during the review process	opportunity to provide comments on two occasions but did not
			for the Application. Given the licence was issued	provide any. CIRNAC is now stating that LMI has not addressed
			in February 2020 the updated FCRP for "review"	their comments/concerns of which they were not made aware
				of previously.
			would include comments, recommendations	No recommendation from CIRNAC so is no commitments for
			etc. from July 2018 to February 2020 and is not	
			required to include comments/	LMI to fulfill.
			recommendations following approval of the	
			Licence to confirm compliance with Board	
			direction and the condition of the water licence,	
			Part I, Item 2 which states:	
			The Licensee shall, within ninety (90) days of	
			approval of the Licence, submit to the Board for	
			review, an updated Final Closure and	
			Reclamation Plan, to address relevant	
			comments and recommendations provided by	
			intervening parties and the Board during the	
			review process for the Application.	
			During the water licence amendment	
			During the water licence amendment renewal/FCRP application approval process LMI	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of the Public Hearing, with exception of security. LMI and CIRNAC resolved three items by way of	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of the Public Hearing, with exception of security. LMI and CIRNAC resolved three items by way of an agreement on what additional information	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of the Public Hearing, with exception of security. LMI and CIRNAC resolved three items by way of an agreement on what additional information they would require and an agreed up statement	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of the Public Hearing, with exception of security. LMI and CIRNAC resolved three items by way of an agreement on what additional information they would require and an agreed up statement was provided at the Public Hearing. These three	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of the Public Hearing, with exception of security. LMI and CIRNAC resolved three items by way of an agreement on what additional information they would require and an agreed up statement was provided at the Public Hearing. These three items resulted in Part E, Items 25, 26 and 27 in	
			During the water licence amendment renewal/FCRP application approval process LMI responded to all information requests. LMI and CIRNAC resolved all issues prior to the end of the Public Hearing, with exception of security. LMI and CIRNAC resolved three items by way of an agreement on what additional information they would require and an agreed up statement was provided at the Public Hearing. These three items resulted in Part E, Items 25, 26 and 27 in the approved water licence. CIRNAC also made	
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Though the Board is generally satisfied, CIRNAC		adequate for long term physical and chemical stability of the site. CIRNAC has been requesting further details since the water licence renewal process initiated in 2019. As LMI did not provide the information during the renewal process, the renewed licence included three conditions to provide some of the missing information within 60 days of licence issuance. These are Part E, Item 25 for design details of the waste rock dome design, Part E, Item 26 for geotechnical details on TCA Dams K & M, and Part E, Item 27 for preliminary design cover for newly exposed tailings.  The Board provided CIRNAC with the opportunity to review three technical memos submitted by LMI covering these three topics. LMI's response to our comments was that the information requested would be integrated into the FCRP revision. The revision number was not specified, which has led to confusion. Our October 30, 2020 reply to the Board's question on whether these responses satisfactory was that we would review the FCRP, as at the time we believed it integrated the missing information. On November 2, 2020, the Board distributed a letter stating it had reviewed the memos and found: "the information functional and generally satisfying Part E, Items 25, 26,			
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	is seeking details on how the site will be		
	reclaimed. Below is a summary on the		
	information CIRNAC considers to be missing		
	from what was to be provided under Part E		
	Items 25, 26 and 27 of the water licence. The		
	lists for Items 25 and 27 are a re-iteration of		
	comments submitted on August 25, 2020, as		
	well as comments regarding Item 26.		
36 1B NEW	CIRNAC Recommendations: LN	MI RESPONSE:	LMI COMMITMENT STATUS:
Recommendation on			The CIRNAC comments and recommendations are outside of
February 16, 2021 and	·	MI refers CIRNAC to CIRNAC 1A (above) for LMI	
LMI Responses		osition and context applicable to issues raised	the requirements for the updated FCRP Rev 1 in LMI's water
	answer these questions in revision 2 of the	n CIRNAC 1B.	licence under Part I, Item 2.
	FCRP.	n regards to Part E, Items 25, 26 and 27 and	CIRNAC's comments are not in relation to the updated FCRP
	CIF	CIRNAC's understanding that new information	Rev 1 but are in regard to separate term and conditions in
	I. Information provided for Item 25 "dome wa	vas integrated into the updated FCRP, LMI's	LMI's water licence (Part E, Items 25, 26 and 27) which CIRNAC
		esponses to CIRNAC did not advise that any	advised they were satisfied on October 30, 2002 and the NWB
	long term erosion protection and cover stability.	new information was included in the updated	on November 2, 2020. (see above for Part E, Item 25, 26 and
		CRP during the reviewing process for Part E,	27).
	a. lack of detailed grading information for top of	tems 25, 26 and 27. Any reference to the FCRP	It should be noted that within the February 16, 2021 CIRNAC
	done,	vas referring to information already provided in	comments, CIRNAC is requesting new information that LMI is
	h lack of design information on storm / freshet	he approved FCRP (dated July 2018). LMI	seeing for the first time but CIRNAC advised they were satisfied
	flows	dvised as a courtesy in their closing comments	with LMI's responses/commitments on October 30, 2020 and
	tna in the state of the state o	hat they had submitted the updated FCRP to	the NWB on November 2, 2020. CIRNAC had the opportunity
		he NWB (and had been sent out by the NWB	to provide comments on two occasions but did not provide
		or review) specifically stating "as required	any.
	a. lack of failure charmers from discharge	inder Part 1, Item 2 and that it was an update	Under Part E, Item 25 LMI committed to provide construction
	chuces,	o the Final Closure and Reclamation Plan, to	drawings under Part G, Item 1 of the water licence which will
	e, potential for toe erosion from discharge	ddress relevant comments and	address CIRNAC's comments. These construction designs and
	chute runoff flows:	ecommendations provided by intervening	technical memorandum have been filed with the NWB and are
		parties and the Board during the review process	currently in the review process. (see Appendix E)
		or the Application." LMI pointed out	CIRNAC had no comments or concerns with Part E, Item 26
		locuments already reviewed by CIRNAC during	during the NWB review process in 2020 and within the same
		he application review process and as a courtesy onfirmed those documents were included with	document only requested that the Stantec June 8, 2020
	g	he updated FCRP as required. LMI committed	documents in relation to Part E, Item 26 be included in the
	· · · · · · · · · · · · · · · · · · ·	o providing construction drawings, which is	updated FCRP Rev 2 addendum (see Row 27 above) (Appendix
	rei	equired by the water licence, for review as	G)
	n. Tailure to show locations of shart, crown pillar	ecommended by CIRNAC that would address	I MI/s committed to avoid a construction drawings in relation
	area, that will be puried under the dome.	heir unresolved comments and CIRNAC advised	LMI's committed to provide construction drawings in relation to Part E, Item 27, if any exposed tailings are encountered,
	11 1 5 11 15 11 26 11 11 11	hat "CIRNAC appreciates the commitment by	under Part G, Item 1 of the water licence. LMI has not
	gootochnical datails" includes a series of 15	MI to provide the construction drawings to the	encountered any new exposed tailings to date.
	drawings and our concerns are summarized as	Junavut Water Board as required by the water	
		cence. CIRNAC looks forward to reviewing	LMI's commitments to the NWB and CIRNAC have been
		hese construction drawings."	fulfilled.
	performed on the embeddment clanes.	MI considers Part E, Items 25, 26, 27 resolved	
	Liv	is per CIRNAC's confirmation on Oct 30, 2020	
	·	and the NWB's letter on November 2, 2020.	
	The second secon	hese items will be included in the updated	
	EC	CRP addendum filed with the Annual Report as	
	C. Section drawings show no erosion control	per the water licence.	
	measures related for the dam slopes and no		
		MI has an approved FCRP and they have	
	d. It is unclear now the embankment hill will be	ulfilled the required water licence conditions	
	placed in nonzontal layers and adequatery	Inder Part E, Items 25, 26 and 27, so espectfully LMI will not be responding to the	
	compacted to ensure long term stability;	tems above or presented in Annex A.	
	e. there is no information on the closure work	acting above of presented in Affiles A.	
	on the west end of the M dam as extends		
	beyond the N dam M dam intersection;		
	f. the is no information on how any potential		
	closure works on the N dam will be carried out if		
	needed or how they will confirm that works are		
	needed of now they will confirm that works are		

_							
	Monitoring Plan in						
	accordance with						
	requirements in						
	Schedule J.						
40	1 CIRNAC Comment	CIRNAC COMMENT:		CIRNAC COMMENT:			
40	1 Cirnac comment	In section 6.2.2, LMI proposes a pH trigger to help					
		determine when desired water quality conditions		In comment R-01, CIRNAC recommended that prior			
		are achieved in the Tailings Containment Area		to transitioning from active to passive TCA discharge,			
		(TCA) (Cell 4, Pond 1, Pond 2) that would allow for		the licensee justify why the trigger for the transition			
		the transition from active to passive discharge and		does not include criteria for concentration of metals			
		reduced TCA monitoring. It is questionable to use		of concern.			
		a pH trigger (5.5) which is lower than the		In its response the linears of stated that			
		acceptable Metal and Diamond Mining Effluent		In its response, the licensee stated that:			
		Regulations (MDMER) range (6.0-9.5) as a		The trigger for the transition from active to passive			
		reference point. It is also not clear why the trigger		closure does not include criteria for metals			
		is based on pH only and not any total metals that		concentrations as the Lupin Mine site does not			
		have been a concern associated with the tailings.		currently exceed metals criteria stipulated in the			
		nave been a concern associated with the tallings.		Water Licence. Further, discharge from Pond 2 has			
				not previously required treatment for metals and has			
				complied with MDMER limits for deleterious			
				substances, including those established for arsenic,			
				copper, lead, nickel, and zinc per Part 1 and Schedule			
				4 of the MDMER. There are no new sources for these			
				metals in closure, and therefore no residual risk			
				for metals contamination in the passive closure			
				phase.			
				prisser.			
				The licensee's response does not address CIRNAC's			
				concern. The MDMER limits are for effluents from a			
				mine, and according to the PCMP, the licensee hopes			
				to achieve closed mine status in 2021. CCME			
				protection of aquatic life water quality guidelines			
				or site specific water quality objectives are more			
				relevant for reclaimed sites that have reduced			
				monitoring because there are no longer activities on			
				site. CIRNAC continues to recommend the			
				licensee justify why the trigger for the transition			
				does not include criteria for concentration of metals			
				of concern.			
41	1 CIRNAC	CIRNAC Recommendations:	LMI DECDONCE.		LAMI DECDONICE.		
41	Recommendation and	CIRNAC Recommendations:	LMI RESPONSE:		LMI RESPONSE:		
	LMI Responses	(R-01) CIRNAC recommends that, prior to	The trigger for the transition from active to		LMI anticipates that MDMER closed mine status		
	LIMI Responses	transitioning from active to passive TCA discharge,	passive closure does not include criteria for		will be achieved in early 2022, any discharge		
		the licensee justify why the trigger for the	metals concentrations as the Lupin Mine site		from the TCA is still subject to the Water		
		transition does not include criteria for	does not currently exceed metals criteria		Licence requirements until such time that the		
		concentrations of metals of concern.	stipulated in the Water Licence. Further,		Water Licence is amended. Discharge from the		
			discharge from Pond 2 has not previously		TCA has been consistently below the Water		
			required treatment for metals and has complied		Licence effluent quality criteria for metals.		
			with MDMER limits for deleterious substances,		, ,		
			including those established for arsenic, copper,				
			lead, nickel, and zinc per Part 1 and Schedule 4				
			of the MDMER. There are no new sources for				
			these metals in closure, and therefore no				
			residual risk for metals contamination in the				
			passive closure phase.				
43	3 CIRMAC Command	CIDNIAC COMMATNIT.		CIPALAC COMMATAIT.			
42	2 CIRNAC Comment	CIRNAC COMMENT:		CIRNAC COMMENT:			
		Geotechnical monitoring is essential to check that		CIRNAC concerns were addressed			
		structures are performing as planned and are					
		physically stable. The executive summary speaks					
		to "Inspections include seepage from the dams,					
		water levels in ponds/cells, and general surface					
		erosion, tension cracks, and/or anomalies on					
1 1						1	1

	Т	dams", however section 6.1.1 does not specify	T		
		dams other than the TCA. During phase 1,			
		structures still classified as dams should be			
		inspected, including:			
		Verifying slope stabilization and erosion control			
		at the former "interior dams" (K,M,N) and L			
		Dam Spillway;			
		Monitoring potential exposed and covered			
		tailings after water level is drawn down; and			
		Monitoring of thermistors in the M and N			
		dams.			
		Section 6.1.4 states "Some perimeters dams can			
		be declassified as dam structure in Phase 2, as			
		they will no longer contain water when the ponds			
		are passively managed at a much lower post			
		closure water levels", without specifying which			
		dams are being referred to.			
		Additionally, section 6.2.1 states: "Any evidence of			
		surficial settlement or erosion or settlement above			
		the crown pillar or shafts will be documented with			
		photographs and reported." The absence of			
		settlement and erosion is also noteworthy.			
		Photographic records of inspections over the years			
		should be kept and reported to allow monitoring of any evolution.			
		of any evolution.			
43	2 CIRNAC	CIRNAC Recommendations:	LMI RESPONSE:	LMI RESPONSE:	
	Recommendation and	(R-02) CIRNAC recommends that licensee include	The Executive Summary states, "Phase 1 (Active	Thank you. As committed, LMI will provide a list	
	LMI Responses	in the PCMP:	Closure) monitoring includes bi-weekly	of structures at the TCA required for Phase 1	
		• the list of structures to be inspected in phase 1;	inspections during freshet per Part J, Item 11 of	inspections in a PCMP addendum.	
		specific dams which they intend to declassify	the Water Licence. Inspections include seepage		
		for phase 2; and	from the dams, water levels in ponds/cells, and	LMI considers this item resolved.	
		·	general surface erosion, tension cracks, and/or		
		<ul> <li>instructions to report on phase 2 site inspections regardless of the findings.</li> </ul>	anomalies on dams"		
		inspections regardless of the findings.	Section 6.1.1 also refers to inspections as Part J,		
			Item 11 and Item 12. Part J, Item 11 and Item		
			12, both refer and require inspections at the		
			Tailings Containment Area not other areas at		
			the Lupin Mine site. During Phase 1 – Active Closure Phase, which we are currently actively		
			in this stage, structures are inspected as		
			required under Part J, Item 11 and Item 12, filed		
			annual with NWB located on the NWB ftp under		
			ftp://ftp.nwb-		
			oen.ca/registry/2%20MINING%20MILLING/2A/2		
			AM%20-%20Mining/2AM-		
			LUP2032%20LMI/3%20TECH/J%20MONITORING		
			/J12%20Annual%20Geotechnical%20Inspection/		
			LMI can agree to list the structures at the TCA		
			which are required for Phase 1 inspections		
			under Part J, Item 12 which form the annual		
			geotechnical Engineer's report. These dams are		
			also listed in the approved FCRP – Table 11:		
			Perimeter and Internal Dams. During Phase 1		
			these reports will continue as per Part J, Item		
			12.		
			Under Section 6.2.4 Geotechnical Monitoring		
			(Temperature/Thermistor) LMI has provided the		
			list of dams they would request to declassify.		

			These reports verify slope stabilization and				
			surface water management to limit erosion at				
			Dam K, Dam M, Dam N and once we are in the				
			Closure Phase the Dam L outlet structure, it				
			should be noted that this is not a spillway as				
			stated above by CIRNAC.				
			·				
			The PCMP states the during the TCA				
			inspections, the geotechnical engineer will also				
			carry out visual inspections of the condition of				
			the esker cover at the TCA. There are no				
			thermistors planned in Dam M or Dam N.				
			The PCMP states, "Reporting for the Phase 1				
			and Phase 2 monitoring programs will consist of				
			an annual monitoring report per the Water				
			Licence (Part J Item 10) submitted by 31 March				
			each year, a final MDMER report for 2021,				
			Phase 1 and 2 geotechnical monitoring reports,				
			and a final soils remediation report."				
			Reference(s): 2AM-LUP2032 – Part J, Item 11				
			and Item 12; Section 6.2.4; Executive Summary;				
			Section 6.1.1				
44 3 CIRNAC Comment		CIRNAC COMMENT:		CIRNAC COMMENT:			
3 cilitate comment							
		Schedule J Item 1 requires the licensee to consult		In comment R-03, CIRNAC recommended that:			
		with the community of Kugluktuk during both		Section 8 of the PCMP include a detailed plan for			
		development of PCMP and post closure		proposed community consultations including how			
		monitoring, and the requirement remains		the community will be notified, how materials			
		outstanding.		understandable by the general public will be			
		In the executive summary, LMI states that		prepared, what times of year will be prioritized for			
		consultation occurred via online calls and		maximum participation, as well as information			
		presentations on March 9 & 25, 2021. On March 9		contained in Schedule B, Item 1(i).			
		and 25 2021, LMI held technical review sessions		In its response, the licensee stated that they are			
		with government representatives, the Kitikmeot		not required to provide the summary of the			
		Inuit Association (KIA), and various hired		consultation as part of the overall PCMP but has			
		consultants/technical representatives. The goal		included an overview and believe they have met the			
		was to review the comments LMI received from		water licence condition.			
		these organizations about the PCMP. The nature					
		of the calls were technical. It is recommended that		LMI has not yet provided the 2020 annual			
		LMI undertake additional measures to consult with		report, so CIRNAC is not able to determine if Part			
		the community of Kugluktuk.		B, Item 20 of the water licence has been met.			
		In the executive summary, LMI references		CIRNAC is expecting the following information as			
		,		part of consultation summary referred in Schedule B,			
		consultation that occurred with community		Item 1(i) and Schedule J, Item 1.			
		members and organizations in the community of		<ul> <li>List of community members and organizations</li> </ul>			
		Kugluktuk in April 8, 2021. LMI stated during a call		in attendance;			
		with CIRNAC on May 26, 2021 that the		<ul> <li>What concerns were raised by the community</li> </ul>			
		consultation was not well attended. CIRNAC would		members;			
		like to know details about how the community was		<ul> <li>Which information was provided to the</li> </ul>			
		notified of the event, engagement content, and a		community members in attendance with			
		summary of dates, times, locations, attendees,		regards to the status of reclamation and closure			
		concerns brought forward.		activities;			
		Schedule B, Item 1I describes information on		<ul> <li>How were the community notified about the</li> </ul>			
		public consultation to be included in annual		meeting; and			
		reports. This should be reproduced in the PCMP to		Schedule of upcoming events and information			
		ensure required information is collected during		sessions.			
		consultation.		CIRNAC's community consultation concern remains			
		CIRNAC notes the submitted PCMP does not		outstanding and CIRNAC recommends the			
		include a translated executive summary in		consultation summary referred in the water licence			
		Inuktitut or Inuinnaqtun. Translated material is		be provided in the 2020 annual report.			
		essential so that consultations can include all		Se provided in the 2020 diffidal report.			
		potentially interested community members. Given					
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	<u> </u>	the limited success of first consultation attempts,				
		a more thorough plan must be developed and				!
		described in section 8 of the PCMP.				
45	3 CIRNAC	CIRNAC Recommendations:	LMI RESPONSE:		LMI RESPONSE:	
	Recommendation and	(R-03) CIRNAC recommends section 8 of the	LMI will provide the information on community		LMI provided a summary of community	
	LMI Responses	PCMP include a detailed plan for proposed	consultation as required under the Water		consultations as required under the Water	
		community consultations including how the	Licence Condition Part B, Item 2 (Annual Report)		Licence Condition Part B, Item 2 (2020 Annual	
		community will be notified, how materials	Schedule B, Item 1. Wherein, LMI is required		Report), Schedule B, Item 1(I) filed with the	
		understandable by the general public will be	under its water licence to provide a summary of		NWB on June 26, 2021 (extension granted date).	
		prepared, what times of year will be prioritized for	public consultation and participation with local		Under Schedule J, Item 1, development of the PCMP began in December 2020 and therefore	
		maximum participation, as well as information contained in Schedule B, Item 1l.	organizations and the residents of the nearby		community consultation took place in 2021 and	
		Contained in Schedule B, Item 11.	communities, including a schedule of upcoming community events and information sessions and		has/will continue, with the outcomes to be	
			the consultation efforts of the Licensee required		summarized in future Annual Reports. To clarify,	
			under Part B, Item 20. LMI is not required to		CIRNAC listed Schedule B, Item 1(i) above and	
			provide this information as part of the overall		we believe they meant to type Schedule B, Item	
			PCMP but has included an overview. LMI		1(1).	
			believes they have met the water licence		For 2021, consultation with community	
			condition and will continue to consult with the		members and community organizations was	
			community members and community		provided to the CIRNAC Manager of Land	
			organizations.		Operations on June 4, 2021. LMI held a second	
			LMI will ensure that the translations are		community conference call on June 24, 2021	
			submitted as soon as possible.		with community members and community	
					organizations providing an update and answer	
					questions on the final closure and reclamation	
					work program as well as provide information	
					and answer questions on the PCMP. LMI will	
					include a summary in the 2021 Annual Report as	
					required under Part B, Item 2. Also see LMI	
					Response to KIA TC 5 below.	
					LMI would like to advise that the translations	
					were provided to the NWB on June 23, 2021.	
					LMI considers this item resolved.	
46	4 CIRNAC Comment	CIRNAC COMMENT:		CIRNAC COMMENT:		
		Visual inspections along TCA pond perimeters		Licensee is committed to continue visual inspection		
		looking for signs of active oxidation or seepage are currently included for phase 1, but not explicitly		for signs of active oxidation and seepage during phase 2 monitoring.		
		for phase 2. Absence of signs of active oxidation or				
		seepage will be necessary to demonstrate long		This addresses CIRNAC's concern and we request this be added in a PCMP addendum.		
		term chemical and physical stability, so these		this be added in a PCMP addendum.		
		inspections should continue throughout phase 2.				
47	4 CIRNAC	CIRNAC Recommendations:	LMI RESPONSE:		LMI RESPONSE:	
	Recommendation and	(R-04) CIRNAC recommends that visual	Visual inspections for signs of active oxidation		LMI will include this in a PCMP addendum.	
	LMI Responses	inspections for signs of active oxidation or seepage	and seepage will continue during Phase 2 site			
		be included in the phase 2 monitoring.	visits.		LMI considers this item resolved.	
48	5 CIRNAC Comment	 CIRNAC COMMENT:		CIRNAC COMMENT:		
		Schedule J, Item 2 of water licence 2AM-LUP2032		CIRNAC concerns were addressed.		
		lists items that need to be included in PCMP.				
		Certain items were not found in the plan				
		submitted in April 2021, including:				
		c. A review of historical data and estimate of				
		waste rock quantities use across the site for				
		construction of dams and other permanent				
		structures;				
		d. Thresholds for tailings cover performance that				
		 u. Thresholds for failings cover performance that				

		would trigger moving to reduced monitoring		<u> </u>	<u> </u>	1	
		frequency or intensity;					
		CIRNAC notes that Item 2g, also includes the					
		requirement for thresholds for water quality at the					
		TCA, and these have been provided.					
49	5 CIRNAC	CIRNAC Recommendations:	LMI RESPONSE:		LMI RESPONSE:		
	Recommendation and	(R-05) CIRNAC recommends the PCMP include all	As stated in the FCRP, the estimated volume of		Thank you.		
	LMI Responses	items prescribed in Schedule J, Item 2 of the water	waste rock brought up from underground and				
		licence, including an estimate of waste rock	placed on surface is about 1,000,000 m3.		LMI considered this item resolved.		
		quantities used across the site from historical data	Review of historical documents, including two				
		and thresholds for tailings cover performance.	environmental site assessments, has not				
			determined a more precise number.				
			The historical data and estimate of waste rock				
			quantities used across the site for construction				
			of dams was carried out during the FCRP review				
			process under PHC Commitments #3 and #4.				
			There was an estimated 100,000 m3 of waste				
			rock used to build the TCA dams.				
			LMI has previously explained the requirement				
			for a saturated zone above the tailings contact				
			within the cover, which will be monitored by the volumetric water content (VWC) probes. The				
			VWC trends will be used to trigger a reduction				
			or increase in monitoring frequency, as				
			required.				
	6 CIRNAC Comment	CIDALA C COMMATAIT.		CIDALA C CONTANTALT.			
50	6 CIRNAC Comment	CIRNAC COMMENT:		CIRNAC COMMENT:			
		Section 6.0 states that "The Passive Closure Period		In comment R-06, CIRNAC recommended that: The			
		(Phase 2) refers to the 5-year period following the completion of active reclamation work (i.e. 2022		PCMP support the proposed shorter passive monitoring period with evidence that permanent			
		to 2026). Environmental monitoring will be		physical and chemical stability of the site could be			
		conducted through Phase 2 to determine the		determined in this timeframe.			
		success of the reclamation measures and confirm		In its response, stated that:			
		that the closure objectives have been achieved.					
		Phase 2 monitoring programs will be carried out		The Passive Closure Period (Phase 2) refers to the 5- year period following the completion of active			
		during site visits under the supervision and		reclamation work (2022 to 2026). Environmental			
		direction of DMS [Discovery Mining Services].		monitoring will be conducted through Phase 2 to			
		The Federal Contaminated Sites Action Plan Long-		determine the success of the reclamation			
		Term Monitoring Planning Guidance recommends		measures and confirm that the closure objectives			
		25 years of monitoring to verify equilibrium		have been achieved. The adaptive monitoring			
		conditions at landfills in northern regions. This matches the post closure monitoring period used		framework outlined in Section 6.2.6 allows for			
		to generate the reclamation estimate used for site		enhanced monitoring if closure objectives of physical			
		is 25 years.		stability, chemical stability, and future use and aesthetics are not met by the end of the passive			
				closure period in 2026. In this case, an extended			
				passive monitoring period would be considered			
				depending on the magnitude and spatial extent of			
				the concern. As per the response to KIA TC 2, 3,			
				and 4 below, active monitoring will occur until			
				the global closure objectives have been confirmed.			
				This response does not address CIRNAC concern as			
				CIRNAC wanted the licensee to provide an evidence			
				that permanent physical and chemical stability of the			
				site could be achieved in 5 years. CIRNAC is of the			
				opinion that permanent physical and chemical			
				stability in the arctic cannot be demonstrated in such a short timeframe and requests the licensee provides			
				evidence on how they intend to do so.			

51	6 CIRNAC	CIRNAC Recommendations:	LMI RESPONSE:		LMI RESPONSE:		
	Recommendation and	(R-06) CIRNAC recommends the PCMP support	The Passive Closure Period (Phase 2) refers to		Physical stability of the TCA will be achieved at		
	LMI Responses	the proposed shorter passive monitoring period	the 5-year period following the completion of		the completion of active reclamation work and		
		with evidence that permanent physical and	active reclamation work (2022 to 2026).		annual DSIs will confirm that physical stability.		
		chemical stability of the site could be determined	Environmental monitoring will be conducted		Historical testing of the Lupin tailings (Klohn		
		in this timeframe.	through Phase 2 to determine the success of the		Leanoff, 1992) concluded that exposed tailings		
			reclamation measures and confirm that the		could become acid-generating within 5-10 years		
			closure objectives have been achieved. The		of exposure to weathering; as such it is		
			adaptive monitoring framework outlined in		considered that 5 years is adequate to provide		
			Section 6.2.6 allows for enhanced monitoring if		evidence of TCA chemical stability or provide		
			closure objectives of physical stability, chemical		evidence that a longer monitoring period is		
			stability, and future use and aesthetics are not		required.		
			met by the end of the passive closure period in				
			2026. In this case, an extended passive				
			monitoring period would be considered				
			depending on the magnitude and spatial extent				
			of the concern. As per the response to KIA TC 2,				
			3, and 4 below, active monitoring will occur				
			until the global closure objectives have been				
			confirmed.				
52	7 CIRNAC Comment	CIRNAC COMMENT:		CIRNAC COMMENT:			
		Schedule J, Table 1 of the water licence prescribes		CIRNAC concerns were addressed.			
		three monitoring wells at the demolition landfill					
		facility; one up gradient (LUP-36) and two down					
		gradient (LUP-37a & LUP-37b).					
		The licensee's comments on these stations in					
		Table 9 are: "Demolition landfill is not planned for					
		construction".					
		CIRNAC agrees that there no longer is a demolition					
		landfill planned. The material that was originally					
		planned to placed in this landfill will instead be					
		buried in the Waste Rock Dome.					
		In order to monitor possible leachate, wells					
		originally planned for the demolition landfill					
		should be moved to up gradient and down					
		gradient of the Dome.					
53	7 CIRNAC	CIRNAC Recommendations:	LMI RESPONSE:		LMI RESPONSE:		
	Recommendation and	(R-07) CIRNAC recommends the licensee install	CIRNA's comment above in regard to material		Thank you.		
	LMI Responses	monitoring wells upstream and downstream of the	that was originally planned to be placed in this		LMI considers this item resolved.		
		waste rock dome and include their monitoring in	landfill will instead by buried in the Waste Rock				
		Table 9 of the PCMP.	Dome is an incorrect statement. Instead, the				
			non-hazardous waste materials generated by				
			demolition will be placed into the existing				
			landfill facility, which has been raised to				
			accommodate these materials. LMI has not				
			stated and does not plan on placing anything				
			other than waste rock into the Waste Rock				
			Dome. As stated in the PCMP, per Water				
			Licence requirements, seepage surveys and				
			applicable sampling will be conducted twice				
			yearly at the landfill facility (LUP-31 and LUP-35)				
			and Waste Rock Dome (LUP-SP-01 to LUP-SP-XX) through the Phase 2 Passive Monitoring, as for				
			Phase 1 Active Monitoring (Table 9). Surveys will				
			be conducted once in late spring after complete				
			melt and once in late summer (late August or				
			September) before freeze-up. This monitoring				
			requirement is consistent with response to				
			CIRNAC TC No. 17 during the Water Licence				
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			review process, whereby LMI committed to			
			monitor and sample seeps from the domed			
			covered waste rock area.			
54	8 CIRNAC Comment	CIRNAC COMMENT:		CIRNAC COMMENT:		
		Much of the content of the document is dated,		In comment R-08, CIRNAC recommended that:		
		and in some instances, unclear. The document				
		contains references made to events/activities to		The PCMP be modified to include a schedule of		
		be done in future that have already been		activities with expected completion dates.		
		undertaken. In various cases, the document		In its response, the Licensee stated that an updated		
		provides detailed descriptions of what has		schedule has been provided to CIRNAC and the		
		occurred in the past, without inclusion in		schedule will also be provided with the Final Closure		
		discussions of what has happened to the end of		and Reclamation Plan (FCRP) addendum (s) as part of the Annual Report.		
		2020, and what if anything remains to be done.		,		
		For example section 4.7.8 Fuel Storage, refers to		The updated version of the schedule provided does		
		14 diesel tanks, 1 jet A tank and 9 individual tank,		not address CIRNAC's concern, as the following details are missing from the schedule:		
		without mentioning that some have been removed and others are still standing.				
				Extent or degree the items planned in the		
		The PCMP covers 2021, during which time it is		2020 schedule have been completed;		
		important to have a clear schedule that illustrates the activities proposed to be carried out during		<ul> <li>Details on the time lines of work planned for 2021; and</li> </ul>		
		the "active period" and the expected completion		<ul> <li>Duration of each activities.</li> </ul>		
		date for these activities. The schedule should				
		include when the J and 1A dams will be breached		However, on June 21, 2021, the Licensee provided more detailed schedule for the 2021 earthworks		
		and when final pond water elevations of 480 m for		reclamation activities to CIRNAC field inspectors. It		
		Pond 2 and 481 m for Pond 1 will be established.		will be helpful if the Licensee incorporate this		
				amount of detail into the FCRP addendum that will		
				be submitted alongside the annual report.		
	8 CIRNAC	CIDNAC December debication	LAM DECDONCE:		LAM DECDONCE:	
55	Recommendation and	CIRNAC Recommendations:	LMI RESPONSE:		LMI RESPONSE:	
	LMI Responses	(R-08) CIRNAC recommends the PCMP be	Section 4.0 Summary of Final Closure provides		As per LMI's original commitment above, LMI	
		modified to include a schedule of activities with	an overview of the FCRP. Under Section 4.0 it		will provide an updated schedule (FCRP Table 14	
		expected completion dates.	states, "The approved FCRP has been prepared on the assumption that all facilities and		<ul> <li>Summary of Measures for Final Closure) with the Rev 2 FCRP addendum as part of the Annual</li> </ul>	
			installations that comprise the Lupin Mine		Report. The approved FCRP states, "Table 14	
			Operations will ultimately be decommissioned,		lists the measures that will need to be	
			removed, or reclaimed under the terms of the		implemented to achieve permanent closure at	
			land lease and in accordance with the		both locations. The following subsections	
			reclamation requirements set out in the Water		provide descriptions of the measures for each	
			Licence (LMI 2020a).		component." While there are years associated	
			For complete and comprehensive details		with each task, Table 14 was never intended to	
			associated with final remediation and closure		be a detailed schedule of activities but a	
			refer to the FCRP."		summary of measures to achieve permanent closure.	
			An updated schedule has been provided to			
			CIRNAC and the schedule will also be provided		To assist CIRNAC with planning for	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify	
			CIRNAC and the schedule will also be provided		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be fluid due for various factors. It would not be	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be fluid due for various factors. It would not be prudent to include an every evolving plan in the	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be fluid due for various factors. It would not be prudent to include an every evolving plan in the FCRP addendum as the FCRP Addendum's are	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be fluid due for various factors. It would not be prudent to include an every evolving plan in the FCRP addendum as the FCRP Addendum's are revised and submitted with the Annual Report	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be fluid due for various factors. It would not be prudent to include an every evolving plan in the FCRP addendum as the FCRP Addendum's are revised and submitted with the Annual Report once a year. LMI is working with the Inspector	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be fluid due for various factors. It would not be prudent to include an every evolving plan in the FCRP addendum as the FCRP Addendum's are revised and submitted with the Annual Report once a year. LMI is working with the Inspector and Manager of Field Operations to coordinate	
			CIRNAC and the schedule will also be provided with the FCRP addendum(s) as part of the		To assist CIRNAC with planning for inspections/engineers to be on site and verify the work being carried out and completed, LMI provide a detailed schedule to CIRNAC in January 2020 for the 2020 work program. A revised schedule for 2021 was provided to the Inspector for the same purpose, to assist with inspection timelines etc and the Inspector was advised that this earthworks schedule would be fluid due for various factors. It would not be prudent to include an every evolving plan in the FCRP addendum as the FCRP Addendum's are revised and submitted with the Annual Report once a year. LMI is working with the Inspector	

56 9 CIRNAC Comment	CIRNAC COMMENT:  Figures presented in Appendix A do not illustrate the site as it is in 2021, or as it will be once closure activities are completed. As such, it is difficult to evaluate the location of sampling sites or to put the proposed monitoring in context. For example, Figure 4 shows the TCA pre-2020, but there is no illustration for after closure and no indication of where the spillway will be built and what the water levels will be.  Figure 8 shows 13 seepage surface water sampling locations, but it is not clear if these are LUP-SP-01 to LUP-SP-XX referred to in Table 9. There is also no figure for seeps from the TCA, identified as LUP-TCA-01 to LUP-TCA-XX in Table 9.		CIRNAC COMMENT: Licensee is committed to updating the PCMP figures on completion of the closure and reclamation activities. CIRNAC will comment further once the drawings become available.	time) to ensure that the work is being carried out as planned and to timing of activities to ensure items are inspected for potential security requests.  LMI considers this item resolved.	
57 9 CIRNAC Recommendation and LMI Responses	(R-09) CIRNAC recommends the PCMP include figures that show site conditions after planned closure works are completed, and include all the sampling stations.  LMI the See LUP XX) yet spri rock obstither sam As s TCA to ti	All RESPONSE:  All commits to updating the PCMP figures once e closure and reclamation is complete.  Reps from the waste rock dome (LUP-SP-01 to IP-SP-XX) and TCA (LUP-TCA-01 to LUP-TCA-6) are not shown on figures, as they have not it been sampled. Surveys will be conducted in ring freshet 2021 at the TCA and at the waste ck dome after construction (if flowing water is is served). The location of these seeps cannot erefore be documented until after the 2021 mpling programs.  It stated in the PCMP for LUP-TCA01 to LUP-CA-XX, seep sampling locations will be added the post closure monitoring program as new eps are documented.		LMI RESPONSE: Thank you. LMI considers this item resolved.	
58 10 CIRNAC Comment	CIRNAC COMMENT:  Section 1.4 of the PCMP states "General monitoring is subject to change, as directed by an Inspector or by the Licensee, and is also subject to approval by the NWB[Nunavut Water Board]."  CIRNAC would like to clarify that an Inspector has the authority to request additional monitoring or changes to monitoring without approval by the Board. Should the licensee want to change general monitoring conditions, approval from the Nunavut Water Board would have to be sought beforehand.		CIRNAC COMMENT:  Licensee is committed to updating the wording in section 1.4 of the PCMP to reflect the water licence thus:  Wherein general monitoring is subject to change as per the water licence, Part J, Item 8, which states: Additional monitoring requirements may be requested by the Inspector (note: without approval of the Board); or Part J, Item 10, the Licensee shall submit to the Board for approval any requests for changes(s) to the Monitoring Program as outlined in Part J and Schedule J, including justification for the change(s). The NWB may modify the Monitoring Program under Schedule J without an Amendment to the Licence.  This addresses CIRNAC's concern and we request this be added in a PCMP addendum.		
59 10 CIRNAC Recommendation and LMI Responses	(R-09) CIRNAC recommends the licensee clarify the text regarding changes to general monitoring licen	AI RESPONSE:  All will update the wording to reflect the water ence wherein general monitoring is subject to ange as per the water licence, Part J, Item 8,		LMI RESPONSE:  LMI will update the wording in Section 1.4 as per above in a PCMP addendum.	

			which states: Additional monitoring requirements may be requested by the Inspector (note: without approval of the Board); or Part J, Item 10, the Licensee shall submit to the Board for approval any requests for changes(s) to the Monitoring Program as outlined in Part J and Schedule J, including justification for the change(s). The NWB may modify the Monitoring Program under Schedule J without an Amendment to the Licence. Refer to Section 5.0 and Appendix D.		LMI considers this item resolved.	
60	11CIRNAC Comment	CIRNAC COMMENT:  Table 13 reports one thermistor in Dam 1A and one thermistor in Dam 4 were damaged in 2020 and there will be an attempt to repair them. No plans or information on what the attempts will entail are provided.		CIRNAC COMMENT:  The licensee is committed to repairing the damaged thermistors and including the results of the repairs in the annual report.  This addresses CIRNAC's concern and we request this be added in a PCMP addendum.		
61	11 CIRNAC Recommendation and LMI Responses	CIRNAC Recommendations:  (R-09) CIRNAC recommends the licensee clarify the text regarding changes to general monitoring in the next revision of the PCMP.	LMI RESPONSE:  As noted in the approved FCRP and PCMP, a spillway will be constructed through Dam 1A after closure and Dam 4 will be declassified so while LMI will make an effort to repair the thermistors, they are not critical for post closure monitoring as they will no longer be water retaining structures. The results of any repairs will be included in the Annual Report.		LMI RESPONSE: Thank you, to clarify LMI committed to make every effort to repair the thermistors and LMI will provide any repair updates in the Annual DSI Report. LMI considers this item resolved.	