

Appendix 11

Meadowbank 2025 Geomechanical Inspection Implementation Plan

AGNICO EAGLE MINES LTD. - MEADOWBANK COMPLEX
MEADOWBANK SITE

2025 ANNUAL OPEN PIT GEOMECHANICAL INSPECTION
SUMMARY OF RECOMMENDATIONS

Observations, Comment and Recommendations														
Category	Original Recommendation	2023 Status and Comments	2023 Recommendations	2024 Status and Comments	2024 Recommendations	2025 Status and Comments	2025 Recommendations	AEM Action Plan / Follow-up	Status	Due Date	Completion Date	AEM Comments / Update	Priority	
Geotechnical Inspections and Reporting, and Rockfall Log						Progressive flooding of the open pits since the end of active mining operations has reduced or eliminated the exposure of personnel to many of the geotechnical hazards associated with the open pits. The length of access ramps and open pit walls that need to be managed has reduced each year. As a result, the geotechnical risk has diminished over time and the intensity of the inspection and monitoring program has also reduced accordingly.	Review and allocate sufficient resources to the geotechnical monitoring program for the open pits over the period when water levels in the open pits will be fluctuating. It is expected that the demands on the program will be greater than they currently are.	Review current geotechnical monitoring capacity during expected pit water-level fluctuations. Identify gaps in personnel, equipment, and monitoring coverage. Allocate additional resources as needed to handle increased monitoring demands.	Open	11/1/2026	-	-	P3	
						These circumstances will change over the next year as water is transferred between the open pits to support water quality objectives for closure. Fluctuating water levels will result in the exposure of previously flooded hazards and can re-activate existing instabilities or trigger new instabilities. The length of ramp exposed and requiring access will increase. All of these factors will increase the geotechnical risk associated with the open pits and put increasing demands on the inspection and monitoring program.	Review the historical performance of the areas being exposed in advance of re-entry and inspection. Identify areas of potential concern (e.g. on a map) and upgrade or add mitigation measures as required.	Review historical performance before re-entry. Map concern areas and apply needed mitigation.	Open	11/1/2026	-	-	P3	
						Note that the change in water level is expected to be most pronounced at the Goose Pit and there may be a limited impact on the geotechnical risk associated with the other open pits.	Prevent access to the newly exposed areas of the open pits until they are inspected by Geotechnical or Rock Mechanics personnel and the suitability of the existing mitigation measures confirmed or additional measures put in place. Document these commitments in the Meadowbank Project Open Pit Surveillance Program procedure.	Restrict access to newly exposed pit areas until inspected by Geotechnical or Rock Mechanics and mitigation is confirmed or updated. Record this requirement in the Meadowbank Project Open Pit Surveillance Program procedure.	Open	11/1/2026	-	-	P3	
										Open	9/1/2026	-	Will be completed following a rockfall event.	P4
	The Ground Control Management Plan (GCMP) for the Meadowbank Site has not been updated since 2018. Review and update the GCMP. The GCMP could be consolidated with the one for the Amaruq Site.	The inspection and reporting requirements for the Meadowbank Site (Meadowbank Open Pit Surveillance Program) are now included as an appendix to the GCMP for the Amaruq Site. Key documents for the design and performance of the Meadowbank open pits are not listed in the GCMP. This information is valuable for closure of the open pits or the interpretation of any future instabilities, and there is a possibility that it may be lost or forgotten over time.	Reference key open pit design documents and open pit slope performance data for Meadowbank in the GCMP so that the information is not lost.	This recommendation remains outstanding.	Reference key open pit design documents and open pit slope performance data for Meadowbank in the GCMP for the Amaruq Site so that the information is not lost.	This recommendation remains outstanding.	Update the GCMP for the Amaruq Site to reference key open pit design documents and open pit slope performance data for the Meadowbank Site.	Integrate key Meadowbank open pit design references and slope performance information into the Amaruq Site GCMP to ensure the plan reflects all relevant pit engineering data.	Open	11/1/2026	-	-	P4	
Instrumentation	Instruments relating to the open pits and hence tailings management facilities are located at Goose Pit, Pit E (south crest), and Vault Pit. There are additional in-field instrumentation between Goose Pit and Pit E, and additional instrumentation along the dikes. Some monitoring of instrumentation, such as TDR cables and inclinometers, can be suspended. Monitoring of piezometers and thermistors installed behind the South Wall of Pit E and the East Wall of Goose Pit should continue to build a record of ground thermal and piezometric response to the addition of tailings.	The TDR cables, inclinometers and many of the piezometers and thermistors used to monitor the open pits have been decommissioned. The piezometers and thermistors in the South Wall of Pit E continue to be monitored by the Geotechnical Group. The piezometers and thermistors in the East Wall of the Goose Pit are no longer monitored as tailings deposition has stopped.	This recommendation is being closed as the instrumentation is no longer required to manage the performance of the open pit slopes. Consider periodically monitoring the piezometers and thermistors in the East Wall of the Goose Pit given the potential for future tailings deposition.						Closed	-	-	-	N/A	
						The wireline extensometers installed at Dump B and Dump D are not being monitored at the specified frequency of once every month. The Dump D instruments have been read four times this year. The Dump B instrument has not been read since September 2024 and it is understood that it has been decommissioned. The monitoring frequency should be met or the commitment adjusted (within appropriate ranges).	Meet the monitoring frequency set out in the Meadowbank Project Open Pit Surveillance Program procedure. The monitoring frequency could be adjusted to reflect the implementation of other monitoring tools (e.g., InSAR) and the purpose of the extensometers (e.g., safety-critical monitoring vs performance monitoring). Update the procedure to reflect the decommissioning of the Dump B wireline extensometer.	Adjust the monitoring frequency—as outlined in the Meadowbank Open Pit Surveillance Program—to reflect available monitoring tools and the role of each extensometer, and update the procedure to note the decommissioning of the Dump B wireline unit.	Open	11/1/2026	-	Written communication confirms the B Dump extensometer was removed from the monitoring schedule around Sept 2024 due to decommissioning, since it no longer provides meaningful data, monitoring has shifted to visual inspections, and internal procedures should be updated to reflect this change.	P2	
	There is an opportunity to use imagery from the site drone surveys to evaluate the subsidence of the Goose Pit Waste Rock Dump, B Dump, C Dump, D Dump and Vault Pit Waste Rock Dump using photogrammetry. Recommend completing an assessment on an annual basis to supplement the existing visual inspections.	Settlement continues to be observed at the Goose Pit Waste Rock Dump, B Dump and D Dump, all of which extend into open pit lakes that are periodically accessed. Extensometers and survey points have been installed to allow for point measurements of settlement at each of the dumps. However, spatial trends are not captured.	Complete an annual drone photogrammetry assessment of the B Dump, D Dump, and Goose Pit Waste Rock Dump to better understand spatial patterns in the displacement.	This recommendation remains outstanding. The large spatial extents of the settlement at the B Dump and D Dump, cannot be adequately monitored by the existing extensometers. A monitoring tool with greater spatial coverage is needed. The extensometers could be limited to the areas of greatest exposure / consequence (i.e., ExtD4 on the D Dump above the pumps on the Pit E West Wall Ramp and ExtD4 on the B Dump adjacent the All Weather Road).	Review the deformation monitoring for the Goose Pit Waste Rock Dump, B Dump, and D Dump. Implement drone photogrammetry on at least an annual basis to better understand the spatial distribution of the displacement. If more frequent drone photogrammetry (e.g., twice a year) is implemented, the monitoring of some of the extensometers (i.e., EXT01, 03 and 04 on the D Dump) could be reduced in frequency or stopped.	This recommendation remains outstanding. It is clear that point measurements cannot practically measure the deformation of the B and D Dumps except in localized areas. Drone photogrammetry has not been implemented but the mine is in the process of on-boarding an InSAR provider. InSAR provides an opportunity to better understand the spatial extents and overall trends of the displacement. However, it is not a real-time monitoring tool. As a result, there will still be areas where targeted monitoring using the extensometers is required (e.g., above the pump controls).	Implement InSAR into the monitoring program for the dumps and open pits. Identify circumstances and define criteria for when the extensometers should still be used. Update the Meadowbank Project Open Pit Surveillance Program procedure to reflect these changes.	Confirm the limitations of point-based monitoring for D Dump and keep it only where critical (e.g., near pump controls). InSAR will be renewed this year and integrate it into the monitoring program; and apply targeted monitoring to cover gaps due to InSAR not being real-time.	Open	11/1/2026	-	-	Dump B extensometer decommissioned (Sept 2024). Monitoring now via visual inspections and InSAR. Procedure to be updated to reflect removal and to adjust monitoring frequencies based on available tools.	P3
		The interpretation of the tension cracks at the Goose Pit Waste Rock Dump, B Dump and D Dump is based on the expectation that the cracks line up with the crest of the rock benches underlying the dumps. In 2022 it was recommended that the position of the cracks be surveyed to confirm this assessment. This has not been done.	Survey the approximate limits of the tension cracks on the B Dump and D Dump, and compare the position of the cracks to the position of the open pit benches. Consider doing the same for the Goose Pit Waste Rock Dump.	This recommendation remains outstanding. Note that a high-resolution geo-referenced drone photo could be as effective as a survey for identifying the general position of the tension cracks.	Compare the position of the tension cracks on the B Dump, D Dump, and Goose Pit Waste Rock Dump to the position of the open pit benches.	The tension cracks in the B Dump were compared to the underlying open pit benches in March 2025. Comparisons are planned for the D Dump and the Goose Pit Waste Rock Dump and a formal memo will then be issued.	Complete the planned formal summary of the comparison of the cracks in the B Dump, D Dump, and Goose Pit Waste Rock Dump to the position of the open pit benches.	- Internal comparison of the cracks observed in the B Dump, D Dump, and Goose Pit Waste Rock Dump relative to the underlying open pit bench positions has been completed. This analysis will be revisited and updated as new surface cracking is identified.	Ongoing	11/1/2026	-	-	- Analysis will be communicated to third party.	P3
					The July 27, 2024 readings for the survey pins installed in the Goose Pit Waste Rock Dump indicate a sudden increase in deformation of between 50 and 250 mm since the readings taken on July 21. Additional measurements made on August 14 confirmed the change in slope performance. The cause of this change has not been confirmed but is likely linked to a 5 m increase in the level of the pit lake over the last year. Personnel are accessing the pit lake at an increased frequency this summer due to Environmental monitoring and closure-related work. As a result, there is increased exposure of personnel to a failure of the dump.	Increase the frequency of visual monitoring and survey pin measurements for the Goose Pit Waste Rock Dump during periods when personnel are accessing the pit lake. The monitoring frequency should be linked to both the deformation rate/trend and the exposure of personnel. Based on the current conditions, weekly monitoring is recommended. Adjust the TARP to reflect the change in monitoring frequency as well as the need to trigger a review in the event of a sudden/unexpected change in the observed deformation.	The survey pins have been read approximately every two weeks since July 2024, with a hiatus between October 2024 and July 2025 when the pit lake was not being accessed (with a single measurement in May 2025). A total of up to 550 mm of displacement was recorded in survey pins #1, 2 and 3 between July 21 and October 10, 2024. The displacement measurements have been relatively stable since October 2024, with cumulative displacement < 20 mm for all pins and typically less than 10 mm. It is likely that the sudden increase in settlement in July 2024 was due to the pit lake rising above the elevation of a bench on which the dump is founded, though this has not been confirmed. The TARP has not been adjusted to reflect the change in monitoring frequency as well as the need to trigger a review in the event of a sudden/unexpected change in the observed deformation.	Update the TARP so that the monitoring rate considers both the deformation rate/trend and the exposure of personnel. A review should be triggered in the event of a sudden/unexpected change in the observed deformation. Document these commitments in the Meadowbank Project Open Pit Surveillance Program procedure.	Open	9/30/2026	-	Update TARP to combine deformation rate/trend with personnel exposure. Trigger a review when sudden or unexpected deformation changes occur. Document these updates in the Meadowbank Open Pit Surveillance Program procedure.	Update to include situations where personnel presence increases.	P2
Goose Pit					The access to the Goose Pit has been reconfigured and personnel now travel for a short distance along a catch bench to reach a dock on the pit lake. As a result, personnel now travel closer to the uppermost 7 m bench face of the pit. Small amounts of loose were observed on this bench face during the inspection. The loose represents a rockfall hazard that needs to be addressed.	Scale the bench face to remove the loose. Alternatively, construct a rockfall berm at the toe of the bench face.	Depending on machinery availability and inspection results, either scale the bench face or construct a berm.	Open	6/1/2026	-	-	-	P2	
Portage Pit A				Access to the South Ramp was unrestricted at the time of the visit. The ramp passes below both the C Dump and B Dump, and no rockfall berms are present at the toe of the dumps.	Implement measures to restrict access to the ramp. This could consist of signage, candles, movable barriers, etc.	Access to the South Ramp of Pit A is restricted and is clearly demarcated by a sign.	None.	Complete	-	-	-	-	Complete	

Observations, Comment and Recommendations							AEM Implementation Action Plan						
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Portage Pit B and B Dump	-	The possibility of the settlement of the B Dump progressing back to the Amaruq Road was discussed in 2022 and concluded to be unlikely as the settlement and tension cracks appear to be limited to within the footprint of the pit. SNC Lavalin was retained by AEM to complete a detailed assessment in order to confirm this conclusion.	Review the results of the SNC Lavalin assessment when they become available.	The assessment was recently completed. It is understood that the results of the assessment indicate that settlement or instability in the B Dump will not progress back to the Amaruq Road. However, the details of the work or a draft deliverable are not yet available. Note that the assessment was completed by WSP, not SNC Lavalin.	Review the results of the WSP assessment when they become available.	WSP has reviewed the stability of the West Road embankment, considering the planned increase in water level on either side of the road. The embankment is expected to be stable, though settlement may occur due to thawing. The embankment was raised over the last year in expectation of the increased water levels.	None. Continue to monitor the performance of the embankment.	Complete	-	-	-	-	Complete
Portage Pit E and Tailings Management Facility	-			The berm preventing access to the top of the South Ramp has been partially removed and it is no longer an effective barricade. A vibrating wire piezometer has been installed at the base of the South Ramp. The cable for the piezometer runs along the ramp, within 5 m of the bench face. There are numerous active rockfall hazards along this ramp and a rockfall berm has not been established.	Re-establish the berm preventing access to the top of the South Ramp. Re-locate the cable for the vibrating wire piezometer away from the wall. Alternatively, establish a rockfall berm along the inside of the ramp.	The berm preventing access to the top of the South Ramp of Pit E has been re-established. The vibrating wire piezometer and associated cable has been removed.	None.	Complete	-	-	-	-	Complete
	-							Complete	-	-	-	-	Complete
	-					The rising pit lake water level may re-mobilize the historical bench-scale instabilities on the south wall of the open pit. There is currently no access above or below these instabilities. However, the mine is planning to re-open the access road at the crest of this slope and install a water line.	Estimate the potential failure limits of the historical instabilities prior to the re-opening of the road and locate the pipeline outside of these limits. Develop and implement a monitoring plan for this area prior to commencing any work.	New road constructed at dike toe (email 2025-09-03), located outside historical failure limits. Pipeline installed along this safer alignment. Item closed through hazard avoidance.	Closed	-	3-Sep-25	- Unstable wall remains part of monthly geotechnical inspections; mitigations will be applied if conditions change. --> COMPLETE	P3
	-			The rockfall berm along the inside of the West Wall Ramp was re-established to allow the pump controls to be moved further up the ramp. There is a fault in the bench face directly above this area that represents a significant rockfall hazard. The new berm is too short to be an effective control for the rockfall.	Increase the height of the rockfall berm adjacent to the pump controls on the West Wall Ramp.	This portion of the West Wall Ramp has been flooded and is no longer accessible. However, the rockfall berm was not upgraded prior to this. It is expected that a reduction in the pit lake water level will re-expose this portion of the ramp in 2026 and that the pump will need to be re-established in this area. As a result, the berm will need to be upgraded. Note that the varying water levels may have adversely affected the wall and increased the likelihood of a rockfall and/or the spatial extents of the hazard.	Increase the height of the rockfall berm when this portion of the ramp is re-exposed. The work should be completed prior to personnel re-accessing this area. Confirm the extents of the berm requiring upgrading with an inspection once the water level has receded.	-By the time the water level is drawn down, the referenced portion of the ramp will be permanently buried under tailings and will not re-emerge or become accessible to personnel. As a result, the rockfall berm will not be exposed again, and no additional upgrades are required.	Closed	-	-	The plan for the area has changed and thus this recommendation is no longer relevant.	P3
Vault Pit and In-Pit Dumps	-	The stability of the Amaruq AWR embankment could be impacted if the water level in the Phaser Pit increases and water ponds behind the embankment. While this is checked during the visual inspections, the purpose for doing so is not set out in any of the existing documents or procedures.	Update the Meadowbank Project Open Pit Surveillance Program procedure (Appendix K of the GCMP) to note the need to monitor the water level in the Phaser Pit as part of the visual inspections and the potential for the stability of the AWR embankment to be impacted if water ponds behind the embankment.	This recommendation remains outstanding.	Update the Meadowbank Project Open Pit Surveillance Program procedure (Appendix K of the GCMP) to note the need to monitor the water level in the Phaser Pit as part of the visual inspections and the potential for the stability of the AWR embankment to be impacted if water ponds behind the embankment.	The Meadowbank Project Open Pit Surveillance Program procedure (Appendix K of the GCMP) has not been updated since it was originally developed in 2023.	Complete the recommended work.	-Ensure this work is incorporated into the next scheduled update of the GCMP.	Open	9/30/2026	-	-	P4
	-					Treated water from the Goose Pit is planned to be discharged into the Vault Pit. The discharge pipe will be laid along the ramp and then submerged in the pit lake using a barge. Personnel may be exposed to rockfall hazards along the ramp and in the pit lake.	Evaluate the rockfall hazard to personnel installing the water pipe along the ramp and in the pit lake. Implement mitigation measures prior to the start of work. It is likely that rockfall berms will need to be constructed at least locally along the ramp.	- The rockfall hazard along the ramp was evaluated prior to installation. The pipeline was successfully installed without incident. - A rockfall assessment will be completed prior to mobilizing personnel to the pit lake should the barge option be selected.	Ongoing	TBD	-	The rockfall hazard related to the ramp installation has been assessed and the work is complete. The barge installation component has not yet been finalized. As a result, this item will remain ongoing until the decision on barge use is made and, if applicable, the rockfall evaluation for the pit lake is completed.	P3