Appendix 11

Meadowbank 2023 Geomechanical Inspection Implementation Plan

Meadowbank Annual Wall Inspection Recommendation Implementation Plan

Recommendation Number	Priority Level [1]	Location	Year	Recommendation	Action Plan/Follow-up	Status	Due date	Completion Date	Comments
2023_MAW_01	P2	General	2023	The inspections of the ramps used to access the pit lakes at Portage Pit A and Vault Pit should be documented in the inspection report during the periods when the open pits are accessed.	The Meadowbank Geotechnical Inspection report now include an inspection of the access to the pit lakes at Portage Pit A and Vault Pit.	Closed	2024-06-30	2023-08-05	
2023_MAW_02	P2	General	2023	Review and revise the graphs plotting the extensometer and survey pin data. The daily deformation rate should be calculated over a shorter time interval, such as since the last reading, to capture sudden changes and allow for a better comparison with the TARP. The graphs should be reviewed for trends each time data are collected.	The graphs were reviewed, and the daily deformation rate is calculated from the last reading as suggested. Trends are being reviewed by a member of the Rock Mechanics team each time data are collected.	Closed	-	2024-02-09	
2023_MAW_03	P3	B Dump, D Dump and Goose Pit Dump	2023	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.	An ongoing discussion is being held about other means of monitoring, such as InSAR-Satellite-based technique.	Open	2024-07-31		
2023_MAW_04	P3	B Dump, D Dump	2023	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.	An ongoing discussion is being held about other means of monitoring, such as InSAR-Satellite-based technique.	Open	2024-07-31		
2023_MAW_05	P3	West Road / Pit B Dump	2023	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.	Being inside the Portage pit limit, the Pit-B Dump is decoupled with the West Road. Settlements from the dump are separated from the road by hard pit walls. SNC Lavalin was retained by AEM to conduct an assessment on the West Road but on a different subject (impact of potential rising water level).	Closed	-	2024-02-09	
2023_MAW_06	P4	General	2023	Key documents for the design and performance of the Meadowbank open pits are not listed in the GCMP. Reference key open pit design documents and open pit slope performance data for Meadowbank in the GCMP so that the information is not lost.	Key open pit design documents and open pit slope performance data for Meadowbank will be referenced when updating the GCMP.	Open	2024-12-31		
2023_MAW_07	P4	D Dump	2023	A sea can used to provide power to the dewatering infrastructure in Pit A has been re-located outside the bermed-off area along the crest of the dump. An associated electrical distribution panel remains inside the bermed-off area. Relocate the electrical distribution panel outside of the bermed-off area along the crest of the dump before the water level in Pit A reaches the toe of the dump.	The water level in Pit A is already controlled by the pumping system and kept below the toe of the dump. Allow sufficient time to E&I to relocate the electrical distribution panel before water level in Pit A reaches the toe of the dump and/or when settlement appears along the crest of the dump.	Open	2025-01-01	Ongoing	Ongoing until water reach up.
2023_MAW_08	P4	General	2023	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.	Visual monitoring will be implemented. Access to the bottom of the pit to be evaluated if required.	Open	2024-07-31		

1 : Priority Level Descriptions

P-1: A high priority or actual structure safety issues considered immediately dangerous to life, health, or the environment, or a significant risk of regulatory enforcement.

P-2: If not corrected could likely result in structure safety issues leading to injury, environmental impact, or significant regulatory enforcement; or, a repetitive deficiency that demonstrates a systematic breakdown of procedures.

P-3: Single occurrences of deficiencies or non-conformance that alone would not be expected to result in structure safety issues.

P-4: Best Management Practice – further improvements are necessary to meet industry best practices or reduce potential risks.