



TECHNICAL MEMORANDUM

DATE October 17, 2025

Project No. CA0037598

TO Kyle Munro
Town of Caledon

CC Andreanne Simard, CBM

FROM Sean McFarland, Greg Padusenko, Paul Menkveld

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CAART COMMENT RESPONSE – CBM CALEDON QUARRY PROPOSAL - KARST PEER REVIEW UPDATE

The following provides some minor clarifications on three items in the hydrogeology report that were discussed on the recent peer review call with GEI.

Proactive Groundwater Monitoring Program

GEI requested clarification whether the groundwater monitoring program will be proactive or just collecting monitoring data. Section 9.3.3. of the Water Report includes a commitment to proactively perform a second private well survey prior to the commencement of operations (WSP 2023). The survey will serve to confirm and refine data supporting the impact assessment on private well users. Where there is potential for an adverse impact and the property owner is in agreement, the private well can be added to the monitoring network. As discussed in the peer review meeting, there are monitoring wells completed in the same aquifer as the private wells. Direct monitoring of available drawdown and typical operating patterns will allow the monitoring program to proactively identify impacts as operations progress. Additionally, where private wells cannot be directly monitored and assessed the groundwater monitoring program will be proactive and the trends in groundwater levels in the monitoring wells will be assessed to determine whether there are potential impacts on the surrounding private water wells. This will include a comparison between predicted and actual groundwater levels in the perimeter wells, which may be considered as 'sentry wells' and if the decline in groundwater levels are greater than anticipated then this would trigger a proactive assessment of the potential for interruption of the groundwater supply for the private wells.

If it is determined that there is a potential for interruption for the private well supply then proactive mitigation could be conducted that could include deepening of the wells into the underlying aquifer, in which other wells are currently completed. A well complaint response program will also be in place to address unanticipated impacts on residential water supplies. In addition, it is expected that the groundwater monitoring program will be part of the review process for a MECP Permit to Take Water (PTTW).

Cooperation with Primo

WSP acknowledges the existing bottling water operation south of the Site and the seeps associated with that property. CBM is currently engaged in discussions with Primo regarding cooperation between the two companies that may include data sharing. An initial meeting was held on September 18, 2025, and we confirm that these discussions are planned to continue in the future.

Mitigation System Design

GEI requested clarification on the design of the mitigation system with respect to a difference in flooded pit pond levels and specifically whether the walls of the pits would be designed such that the difference in water levels could be maintained over the long term. A copy of the Mitigation Report has been provided to GEI. The barrier on the walls of the quarry would be designed and constructed by a geotechnical engineer such that there would be minimal leakage under the road and that they would persist over the long term.

WSP Canada Inc.

[https://wsonline.sharepoint.com/sites/gld-114392/project files/5 technical work/02 responses to comments - ara application/community \(town-region-igs\)/town of caledon/response 2/ca0037598-tm-rev1-karst comment update-17oct2025.docx](https://wsonline.sharepoint.com/sites/gld-114392/project%20files/5%20technical%20work/02%20responses%20to%20comments%20-%20ara%20application/community%20(town-region-igs)/town%20of%20caledon/response%202/ca0037598-tm-rev1-karst%20comment%20update-17oct2025.docx)