Blackport HYDROGEOLOGY INC

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June 20, 2016

Mr. Ray Kirtz,
Triton Engineering Services Limited,
105 Queen Street West, Unit 14,
Fergus, ON
N1M 1S6

Dear Mr. Kirtz,

Re: Hydrogeology Comments
Aggregate Resource Act Application, Peyton Pit, Category 3 Licence,
Hustonville Sand and Gravel Limited,
Part of Lots 3 & 4, Concession 15 & 16,
Former Geographic Township of Egremont,
Township of Southgate

I have reviewed the above noted application and supporting documentation, including:

- Summary Statement prepared by the Murray Group, dated June 2014
- Water Table Assessment prepared by ARL Groundwater Resources Ltd., dated July 2012
- Natural Environment Level 1 & 2 Report prepared by Stovel and Associates Inc., dated March 10, 2014
- Site Plans prepared by Stovel and Associates Inc., dated March 30, 2016
- Comments from Saugeen Conservation, in letters dated February 4, 2016 and February 29, 2016.

The application is for an above water table aggregate extraction, (Category 3 Pit Licence). Based on the information provided and proposed operational plan, the impacts to the groundwater system are expected to be minimal. Given that the extraction will remain above the water table, no change to the groundwater system is anticipated; which could potentially impact natural environment features offsite. It is noted that Saugeen Conservation has indicated they are satisfied that their concerns regarding potential impacts on the natural environment have been adequately addressed.

The requirement of a Category 3 Licence is to limit extraction to 1.5 metres above the established high water table. This has not been determined yet. An estimate of the water table elevation was made by ARL Groundwater Resources Ltd. (ARL), based on the elevation of water found in some of the test pits. Site plans extraction depths were developed using these estimated water table elevations. Hydrogeology recommendations address the issue of water table elevation, as noted on the Site Plans, and include the following:

- Install monitoring wells in each phase of the pit for the purpose of measuring groundwater levels in shallow overburden sediments.

- Initiate a groundwater monitoring program that consists of measuring water levels and in the monitoring wells on a monthly basis.
- The monitoring well water level data shall be reviewed by a hydrogeologist after 2 years of monitoring.
- Based on the review, the hydrogeologist shall prepare a supplementary report on the results and provide recommendations, where appropriate, concerning the pit floor and the groundwater level monitoring program.

I concur with general approach to the monitoring program; however, for clarity, it is recommended that the monitoring program be initiated as soon possible after the licence is approved, to establish the water table elevation across the Site. It is also recommended that the water level data be reviewed as data are collected, to compare against the initial estimates of the water table elevation and adjust the depth of extraction accordingly, rather than reviewing the program after two years. Water level monitoring data should be provided to Saugeen Conservation and the Township after the first year of data collection, rather than after two years. After two years of monitoring a summary report should be submitted recommending any modifications to the monitoring program.

I trust these comments are satisfactory; however, if you require more detail or clarification please do not hesitate to contact me.

Sincerely,
Blackport Hydrogeology Inc.,

Ray Blackport, P. Geo