



April 1, 2017

Greetings,

Sears Canada Inc. and Clifton Associates Ltd. are pleased to provide this quarterly update on the environmental assessment and remediation activities that are ongoing in the community of Hounsfield Heights-Briar Hill (HH-BH). Since the previous Beacon posting in December 2016, Sears and Clifton:

- Have completed the second soil vapour monitoring sampling event,
- Have completed the fourth quarter groundwater monitoring and sampling event, and,
- Are continuing the PlumeStop remedial pilot scale study.

The Soil Vapour Monitoring Program that was implemented as an additional method of assessing risk to human health is now on-going. The second round of sampling was completed in January 2017 and the report documenting the results will be submitted to Alberta Environment and Parks (AEP) for review in April 2017. The results from this second round of sampling, which was intended to represent results indicative of cold weather conditions where the effects of the indoor / outdoor air exchange (windows closed vs. windows opened) would be minimized, confirm that there are still no risks to human health from the soil vapour. Finally, as mentioned in the previous post, AEP has reviewed the Final Report Development of Soil Vapour Quality Guidelines and finds the soil vapour quality guidelines to be acceptable for evaluating the risks at the site.

The fourth quarter groundwater monitoring and sampling event was completed in 2016 and the report has been submitted to AEP and will be posted to the Environmental Site Assessment Repository database for anyone that would like further details. However, we can report, the data collected during this sampling event is generally consistent with previous sampling events conducted prior.

Clifton is continuing to monitor the progress of the PlumeStop pilot study to assess the effectiveness of the remedial injection. Since the injections in August 2016, eight months of data has been collected and preliminary results indicate reductions in Petroleum Hydrocarbon (PHC) concentrations. We are continuing to assess the results of the collected samples in order to provide a more accurate estimate of the contaminant reduction which can be expected from this remedial technique. It is important to note that the Dual Phase Vapour Extraction System continues to operate and is effectively extracting PHC contaminated groundwater from the subsurface.

Continuing into 2017, along with the regularly scheduled groundwater monitoring and sampling, we have planned to conduct further soil vapour sampling and continue the remediation of the Site, as well as additional delineation in the southern portion of the Site.

For copies of current or historical documentation, please visit the Environmental Site Assessment Repository (ESAR) website at <[www.esar.alberta.ca/esarmain.aspx](http://www.esar.alberta.ca/esarmain.aspx)> and enter a PBL Search for Plan: 8210266

Sears and Clifton appreciate the opportunity to provide this information to the residents of the HH-BH Community. If you have any questions or concerns, please feel free to contact one of the Sears or Clifton representatives listed below.

Yours sincerely,

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