

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 September 2016, Sears and Clifton have now completed the following:

- Development of the second soil vapour monitoring sampling event,
- Completion of the fourth quarter groundwater monitoring and sampling event, and,
- Continuation of the PlumeStop remedial pilot scale study.

The Soil Vapour Monitoring Program which has been implemented as an additional method of assessing risk to human health is underway. Currently, one round of soil vapour monitoring sampling has been completed and we are scheduled to complete a second round of sampling in the month of January 2017. The report documenting the results of the first event will be made available early in 2017. We would like to remind everyone that the results from the first event indicated that there were no risks to human health from the soil vapour. The intent of the January event is to obtain results indicative of cold weather conditions, where the effects of the indoor-outdoor air exchange (windows closed vs. windows opened) would be minimized.. Finally, as mentioned in the previous post, Alberta Environment and Parks is still reviewing the Human Health Risk Assessment and all of the site-specific guidelines developed.

The four quarter groundwater monitoring and sampling event was completed during the month of November. We expect to make available the details of the third and fourth quarter groundwater events in January 2017.

Clifton is continuing to monitor the progress of the PlumeStop pilot study to assess the effectiveness of the remedial injection. Currently, 16 weeks of data has been collected and preliminary results are encouraging, showing a statistical reduction in PHC concentrations. Due to the distance of the monitor wells from the location of where the injections occurred we have likely not seen the full effect of the PlumeStop remediation at this time. We are currently completing hydraulic conductivity testing at the Site to help us determine the rate of contaminant migration within the area of where the PlumeStop was injected. This will allow us to estimate when we can expect to see the full effects of the PlumeStop remediation. We would also like to note that the Dual Phase Vapour Extractor will continue to operate for the foreseeable future; extracting PHC contaminated groundwater from the subsurface, treating it prior to it being discharged into the City of Calgary sanitary storm system.

Moving into 2017, along with the regularly scheduled groundwater monitoring and sampling, soil vapour sampling and continuation of the remediation of the Site, additional delineation in the southern portion of the Site will be completed.

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,

**Greg Paliouras**, Divisional Vice-President,  
Construction, Energy and Maintenance Sears Canada Inc.  
700 - 290 Yonge Street, Toronto, Ontario. M5B 2C3 T (416) 941 4037  
[Greg.Paliouras@Sears.ca](mailto:Greg.Paliouras@Sears.ca)

Clifton Contact: **Stephen d'Abadie**, MEng  
Environmental Scientist/Regional Manager Clifton Associates  
2222 – 30th Avenue NE, Calgary, Alberta. T2E 7K9 T (403) 263 2556 Ext 4140  
[Stephen\\_dAbadie@Clifton.ca](mailto:Stephen_dAbadie@Clifton.ca)