



September 30th 2016

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 June 2016, Sears and Clifton have now completed:

- the installation and sampling of the soil vapour monitoring network throughout the community,
- implementation of the PlumeStop remedial pilot scale study, and
- the third quarter groundwater monitoring event.

In the past three months, the Soil Vapour Monitoring Program (SVMP), which involved the installation of over 30 external soil vapour monitoring points at key locations throughout the community. The SVMP has been implemented as an additional method of assessing risk to human and environmental health. Air samples were taken from each soil vapour monitoring point and analyzed for contaminants of potential concern (COPC) which were identified in previous soil and groundwater investigations. This data was then converted into representative indoor air concentrations and compared to the respective site-specific guidelines for indoor air within the community of HH-BH.

None of the soil vapour samples collected and analyzed for COPC from the HH-BH community exceeded the applicable site-specific indoor air quality guidelines. This data, in conjunction with the Human Health Risk Assessment (HHRA) which was completed based on soil and groundwater sampling, provides further evidence that the risk to residents within the community of HH-BH is negligible. Alberta Environment and Parks is still reviewing the HHRA and all of the site-specific guidelines developed.

Per our previous Beacon posts, the Regenesys PlumeStop technology has now been installed along 11th Avenue NW as part of the pilot-scale remediation assessment. The installation went as planned with nine injection points in the areas of highest contaminant concentration along 11th Avenue NW. We understand that the pilot scale injections caused a disruption to traffic flow on 11th Avenue and we would like to thank the residents for their patience during that time. Upon completion of the injections, the nearest monitor wells have been sampled every two weeks to assess the effectiveness of the remedial injection. Currently, six weeks worth of data has been collected and preliminary results are encouraging, showing a statistical reduction in PHC concentrations. However, additional monitoring and sampling will be conducted to further evaluate the effectiveness of this technology. At this time, we are proposing to continue with the pilot scale study for continued evaluation. We will provide another update on the progress of the pilot scale study in our annual community letter to be completed for early in the New Year.

The third quarter groundwater monitoring event was completed during the month of August. We expect to make available the details of the third and fourth quarter groundwater events, the updated SVMP, along with the soil vapour probe installation report and soil vapour results

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



later this year.

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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