
Memorandum

27 January 2020

Attention

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From

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**Revised Remediation Plan – Updated Remediation Schedule
Hounsfeld Heights and Mall Areas
Calgary AB****File CG2430.1**

Clifton Associates Ltd, on behalf of Sears Canada Inc., is pleased to provide an update to the schedule presented in Section 9.0 Remediation Plan Schedule for Implementation, Table 9.1 Proposed Remediation Schedule of the report titled *Revised Remediation Plan, Hounsfeld Heights and Mall Areas, Calgary, Alberta* (13 August 2019; RRP).

The revised schedule reflects activities which have already been completed as well as an update to proposed completion dates of additional tasks presented within the RRP.

Items to still be completed as part of the RRP include:

-) LPH assessment;
-) DPVE extraction well assessment; and
-) Permeable reactive barrier performance assessment.

On-going items included as part of the RRP include:

-) Semi-annual groundwater monitoring and sampling;
-) Semi-annual soil vapour sampling; and
-) Continued operation of the Dual Phase Vapour Extraction System.

The schedule will be updated on a semi-annual basis, as required.

Clifton Associates Ltd.

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Stephen d'Abadie, MEng, PBiol
Environmental Scientist

Table 9.1 – Revised Remediation Schedule

Activity	Description	Schedule
Source Removal	LPH extent assessment; working with AEP and land-owners to discuss and acquire access to private property to complete an LPH delineation program*	August to September 2019 On-going to June 2020
	DPVE assessment of mechanical and electrical components and repairs*	June 2019 Completed
	DPVE extraction well assessment*	August to September 2019 On-going to June 2020
	Continued operation of DPVE	July 2019 – Until LPH removal confirmed to extent practicable On-going
Permeable Reactive Barrier	Barrier installation preliminary design	April to June 2019 Completed
	Design Finalization	July 2019 Completed
	Barrier installation	September to November 2019 Completed
	Barrier performance monitoring	November 2019 On-going to December 2020
Plume Monitoring	Semi – annual groundwater monitoring and sampling	April and October of each year program continued semi-annually On-going
	Plume stability analysis	
	Natural attenuation assessment	
Risk Management	Source removal	See above for schedule On-going
	PRB installation	Completed
	Groundwater monitoring and sampling program	April and October of each year program continued semi-annually On-going
	Soil vapour sampling program	January and August of each year program continued semi-annually
	Risk assessment summary	On-going

*The DPVE will continue to operate in its current configuration during this time-period.