



Chemicals Assessment &
Management Division
Groundwater Protection Branch



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October 9, 1996

FILE #4040 BA04-2

Mr. & Mrs. Smith and Marie Read
Barons Hardware
214 Main Street
Barons, Alberta
T0L 0G0

Dear Mr. & Mrs. Read:

**Re: Review Comments
Hasegawa Engineering Ltd.
August 13, 1996 Remediation Report**

I have completed my review of the referenced report. The site sensitivity assessment by Hasegawa Engineering Ltd. concluded that the Level II inhalation risk management criteria for fine-grained soil should be used to assess the site remediation results. These criteria are presented in the Alberta Environmental Protection draft document *Remediation Guidelines for Petroleum Storage-Tank Sites - 1994*. I concur with this interpretation of the site conditions.

Since it was not possible to meet the cleanup objectives in soils beneath the building, a vapour management system was installed along the south and east foundation wall of the store. The purpose of the vapour extraction system is to remove the residual fuel vapours originating in contaminated soils where the Level II criteria are exceeded. Periodic monitoring of this system will be necessary to confirm that mitigation of the residual contamination is occurring naturally.

The excavation undertaken at this site also showed that petroleum contamination may have migrated offsite under the Village of Barons roadway and into the utility trench. As we discussed, all affected parties must be advised of any contamination that may have migrated into their property. An agreement must be reached with these parties on the remediation and risk management undertaken. I am aware that you have met with the council in Barons to inform them of the possibility that contamination has migrated onto their property. I understand that you and the Village will attempt to come to a mutually acceptable agreement regarding management of this problem. Please keep me advised regarding the results of these discussions.

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I suggest that there is still some investigation work required to learn the extent, if any, of offsite impact under the Village of Barons roadway property. During an offsite investigation it will also be necessary to confirm the presence or absence of free product on the water table and to determine the concentration of dissolved fuel in the groundwater.

Thank you for your remedial efforts undertaken on this site. Please call me at 382-4255 if you wish further discussion.

Yours truly,


Don Wyrostock

MAILED 10/17/96

FAXED
10/16/96