

Chemicals Assessment &
Management Division
Groundwater Protection Branch

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March 7, 1997

FILE#: 4040-BA04-24

Mr Darrell Garceau
Administrator
Village of Barons
Box 129
Barons, Alberta
TOL OGO

Dear Mr Garceau:

Re: Barons Hardware Site - Smith and Marie Read

The remediation undertaken on the Barons Hardware site including excavation/removal of petroleum contaminated soil, installation of a vapour management system and borehole test drilling has followed the process outlined in the draft 1994 "Remediation Guidelines for Petroleum Storage Tank Sites". The remediation/risk management vapour system is an acceptable remedial approach as outlined in the risk management process of the Guidelines. The site appears suitable for continued commercial Hardware Store land use purposes. There is still the ongoing risk management monitoring of the vapour management system and the acceptance of these results as they become available.

Groundwater was assessed in a previous consultant's report prepared for Canadian Turbo. Laboratory testing from one monitoring well showed that the concentration of dissolved petroleum hydrocarbons in the groundwater did not exceed the draft Level II fine grained inhalation risk management criteria of the draft 1994 "Remediation Guidelines for Petroleum Storage Tank Sites". Closure drilling and groundwater testing offsite to the southwest of the former location of the pump island on the Hardware store property should be considered. If closure drilling and groundwater sampling are completed offsite to the south and west, this information would be useful to the Village of Barons to learn if there may be residual petroleum hydrocarbon contamination under the roadway or within the utility pathway that may require remediation in case of repair or replacement of the utility lines.

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Canadian Turbo has undertaken an environmental assessment at the Turbo bulk plant located next to the Barons Hardware site. The recommendations in the consultant's report including removal of above ground storage tanks, surface stripping of contaminated soil areas, excavation/removal of contaminated soil, disposal of petroleum contaminated soil at an approved landfill site, backfilling with clean compacted fill and risk management monitoring and confirmatory groundwater sampling program is proposed to be implemented. If you are interested in a copy of the Turbo Resources report information, I suggest that you contact Turbo Resources or the Environmental Regulatory Services Freedom of Information and Protection of Privacy Act Coordinator in the Edmonton office @ (403) 427-4429

Thank you for your interest in the remediation at this site. Please call me at 382-4255 if you wish further discussion.

Yours truly,


Don Wyrostock

DW/tlm