



TRANSPORTATION AND
ENVIRONMENTAL SERVICES
Water Services

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Date: July 7, 2010

Ms. Laurel Gibson
150 Frederick St.
Kitchener, ON N2G 4J3

Dear Ms. Gibson:

Re: Proposed Hunder Zoning Amendment for Asphalt/Concrete Recycling Facility

This letter is written to express concern by the Region of Waterloo's Hydrogeology and Source Water group with the proposed Zoning Amendment for Asphalt and Concrete Recycling at the proposed Hunder Aggregate Extraction Facility. The location of the proposed concrete/asphalt recycling facility on the Hunder property is found within and immediately upgradient of the capture zone of Conestogo Municipal Wells C2 and C6 in a zone of medium vulnerability. This vulnerability will increase to high following aggregate extraction given that extraction will result in the removal of the upper protective aquitard at the site. Given the high aquifer vulnerability, presence of the underlying municipal aquifer and the site's location within the municipal capture zone, land use activities on this property have a significant potential to adversely impact the Source Water Quality of the municipal aquifer. As such the Region of Waterloo would not be supportive of asphalt recycling at this site, especially given the leachate characteristics associated with this land use.

If Asphalt recycling should however proceed we would expect that at a minimum it be prohibited within the Municipal capture zone and in areas found directly upgradient of both the Municipal and Domestic wells found in the area. In addition, we would also require that the proponent prepare a monitoring, spills management and contingency plan for this site. The proposed monitoring plan should include the analysis of water quality parameters which are typical of leachate from Asphalt and Concrete Recycling and any chemicals/fuels stored on site. If you have any questions regarding the comments noted above please feel free to contact me at the undersigned.

Yours truly,

A handwritten signature in black ink that reads "Amanda Sills".

Amanda Sills, M.Sc.
Project Hydrogeologist
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cc: Don Corbett, Dan Kennaley, Jeremy Vink