

**Ministry of the Environment  
and Climate Change**

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Water Resources Unit

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**Ministère de l'Environnement et de  
l'Action en matière de changement  
climatique**

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November 23, 2015

Mr. Peter Anderson  
6970 Highway 93  
Tiny Township, Ontario  
L0K 2E1

Dear Mr. Anderson

The Ministry of Environment and Climate Change (MOECC) has reviewed your water well interference complaint regarding the Permit to Take Water # 4317-87CNZN (Permit) for Cedarhurst Quarries & Crushing Limited (Permit Holder) at the Teedon Pit, 90 Darby Road, Tiny Township (Teedon Pit). In response to your complaint a site visit was conducted on June 30, 2015, and the Permit Holder's hydrogeologist, Ross Campbell, produced a water well assessment report dated August 2015. Acting on Mrs. Pauze and Mr. Pigeon's behalf, hydrogeologist, Wilf Ruland, conducted his own assessment and presented a report on October 20, 2015. In response, Mr. Campbell, produced another report responding to Mr. Ruland's report on November 5, 2015.

I have reviewed the above noted reports as well as the documentation within the file the MOECC has for this Permit and conclude the following:

- I agree that when issuing the latest Permit in 2010, the MOECC should have kept the condition that required monitoring the surface elevation of the wash pond that was in the original 2008 Permit. I am requesting that the Permit Holder recommence with this type of monitoring and recommend that upon any requests to renew or amend the Permit that this condition be reinstated.
- The potential violations of the Permit regarding notification of well interference complaints have been forwarded to the MOECC's local environmental officer who is planning on conducting a Permit inspection of the Teedon Pit in the near future.
- I believe that sufficient hydrogeological investigations were completed on-site to warrant the issuance of the Permit when it was issued in 2010.
- I disagree with Mr. Ruland's conceptual model that silt from the wash pond is affecting local wells, including your well. It is not possible for silt to flow through a silt, sand and gravel aquifer as a silt plume as Mr. Ruland has proposed.

- I do not believe that your water well impacts are due to the water takings associated with the Permit for the Teedon Pit.

Your well is a drilled well situated with a well pit, likely an old dug well, therefore the well head is not accessible and is located below ground. Mr. Campbell's water quality sample resulted in no detected total suspended solids or turbidity, and no bacteria issues. At the time of water quality sampling there appears to be no water quality issues.

Wells that are installed in well pits can be susceptible to being flooded and material can enter the well through the top of well at these times or even around the outside of the drilled well casing if an appropriate seal is not in place. I recommend that you hire a licenced water well technician to inspect your well and to potentially raise the height of your well to above ground level, fill in the well pit with low permeable material to create a good seal from surface water, and to install a protective well cap.

Should you have any questions, please do not hesitate to contact myself at (416) 325-7487 or Mr. Mihran Aslanyan, who will be taking over this file, at (416) 326-4418.

Sincerely,



Christopher R. Munro, M.Sc.Eng., P.Eng.  
Geological Engineer / Hydrogeologist

cc. Helen Zhang, Supervisor, Water Unit, Technical Support Section, MOECC  
Mihran Aslanyan, Hydrogeologist, Water Unit, Technical Support Section, MOECC  
Greg Athron, Environmental Officer, Barrie District, MOECC  
Robert E. Graham, Permit Holder, Cedarhurst Quarries & Crushing Limited  
Ross Campbell, Alpha Environmental Services  
Prabin Sharma, Aggregates Technical Intern, MNRF  
Shawn Persaud, Manager of Planning & Development, Township of Tiny