

February 13, 2008

Mr. Ron Thompson
4133 Bethesda Road
Stouffville ON L4A 7X5

Dear Mr. Thompson:

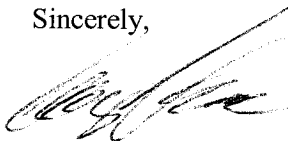
**Re: 16th Avenue Trunk Sewer – Phase II
Dewatering Complaint Review Committee - Follow-Up**

Further to the Dewatering Complaint Review Committee (CRC) meeting of April 11, 2007, Inspec-Sol's letter of November 1, 2007 (attached) provided a summary of the follow-up investigations that were completed with respect to your (old) dug well, along with our updated assessment of the potential for your old well to have been impacted by the 16th Avenue Trunk Sewer project.

The letter explained that the additional information collected since the time of the CRC confirmed our original assessment that the old well had insufficient yield to supply your home, and had not been affected by the 16th Avenue Trunk Sewer construction dewatering. This was confirmed by historical pumping tests and the recovery of the water level to near the ground surface when the well was no longer in use.

When we spoke in December, you agreed to get back to me if you wished the CRC to re-convene on your behalf. To date, I have not heard from you. If you would like the CRC to re-convene on this issue please provide me with a response by March 18, 2008. I have attached a copy of my business card to this letter. If we do not hear back from you, York Region will consider this matter closed.

Sincerely,



Tomislav Hrkac, P. Eng.
Project Manager

TH/ph

Attachment (1)

Copy to: Bala Araniyasundaran, Director, Capital Delivery, Water and Wastewater, York Region (e-mail only)
Tomislav Hrkac, Project Manager, Capital Delivery, Water and Wastewater, York Region (e-mail only)
A. Brown, Town of Markham (e-mail only)
Garry Hunter, Hunter & Associates (e-mail only)
Renato Pasqualoni, Inspec-Sol Inc. (e-mail only)

WWW/W02/74000 Markham/74030 16th Avenue Phase 2/CRC/080213 Thompson CRC letter.doc

November 1, 2007

Reference No. T001374-26

Ms. Julia Thompson
4133 Bethesda Road
Stouffville, Ontario
L4A 7X5

Re: Response to Call-In to the York Region Call Centre - 4133 Bethesda Road
Dewatering Complaint Review Committee (CRA) Follow-Up
16th Avenue Construction Activities, Markham, Ontario
File No. 1459

Dear Ms. Thompson,

Further to the Dewatering Complaint Review Committee (CRC) of April 11, 2007, this letter provides a summary of the follow-up investigations that have been completed with respect to your (old) well, along with our updated assessment of the potential for your old to have been impacted by the 16th Ave. Trunk Sewer Project.

Our records indicate that you called York Regions Call Centre on August 26, 2005 and indicated that you were experiencing a water related issue, but that there was not an 'urgent' need for water. Our company, Inspec-Sol/CRA was retained by the Region to provide an independent technical assessment of potential interference on local water wells from the 16th Avenue Trunk Sewer construction activities. A letter dated October 31, 2005 was prepared to report our findings to you. Our letter concluded that the water conditions you reported were not the result of the construction activities, and that the poor performance of the well was due to its poor yield.

You requested and were provided a meeting with the CRC on April 11, 2007. As a result of that meeting the CRC requested that the depth of your well be confirmed, and that additional monitoring be completed to assess whether the 16th Ave. Trunk Sewer Project could have been the source of the well interference reported. The following was completed:

1. the depth of your well was confirmed on May 9, 2007, when your driller removed the pump and piping from your old well. This was completed as part of the work to install a new well at your property;
2. review of MOE Water Well Record for the new well (enclosed) to determine soil conditions related to your old well;
3. a meeting was held with your hydrogeologist, Hunter & Associates (Hunter), on May 4, 2007; and
4. static groundwater level measurements were collected from your old well on May 9, 2007, August 8, 2007 and October 11, 2007.

The following information was compiled based on all our investigations and inspection of your old well since 2005:

- your old well is a 6-inch diameter drilled well completed to a depth of approximately 58.5 metres below the top of the well casing (m BTOC);
- based on drillers invoices, your old well had yield problems before the start of the 16th Ave. trunk sewer dewatering;
- based on the soil conditions presented in the MOE Water Well Record for your new well, your old well was likely placed into clay soils which would generally yield little water;
- static water levels collected after you stopped using the old well were measured to be between 0.42 and 0.85 m BTOC, indicating that when not in use your well's water level was near the ground surface (i.e. the well was full);
- the new well was installed into the Thorncliffe Aquifer, and had a reported water level at 10.8 m BTOC; and
- testing of your well indicated a loss of water after about 10 minutes of pumping, and a slow but steady recovery, consistent with a poor yielding or plugged well.

The additional information collected since the time of the CRC confirmed our original assessment that the old well had insufficient yield to supply your home, and had not been affected by the 16th Ave. Trunk Sewer construction dewatering. This was confirmed by the historical pumping tests completed and the recovery of the water level to near the ground surface when the well was no longer in use.



November 1, 2007

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T001374-26

Please feel free to contact us if any additional questions arise.

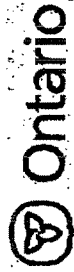
Yours truly,

INSPEC-SOL INC/CRA

A handwritten signature in black ink, appearing to read 'Renato Pasqualoni'.

Renato Pasqualoni, P. Eng
Encl.

c.c. Tomislav Hrkac, York Region
A. Brown, Town of Markham
Gary Hunter, Hunter & Associates

Ministry of
the Environment

Well Tag Number (Place sticker and print number below)

A043331

A 043331

Well Record
Regulation 903 Ontario Water Resources Act

page of

Instructions for Completing Form

- For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference.
- All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
- All metre measurements shall be reported to 1/10th of a metre.
- Please print clearly in blue or black ink only.

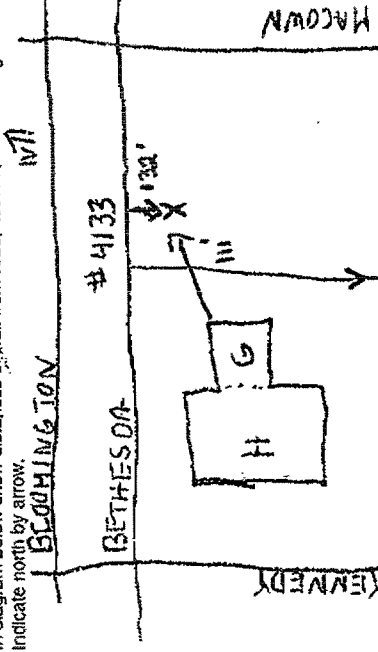
Well Owner's Information and Location of Well Information		Ministry Use Only		
First Name RON	Last Name THOMPSON	MUN	CON	LOT
County/District/Municipality YORK	Township/City/Town/Village YORK	Mailing Address (Street Number/Name, RR, Lot, Concession) 4133 BETHESDA RD.		
Address of Well Location (County/District/Municipality) YORK		Province Ontario	Postal Code L4A-7X5	Telephone Number (include area code) 905-640-4133
RR#/Street Number/Name 4133 BETHESDA RD.		Township WHITCHURCH-STONEYVILLE	Lot 10	Concession 10
GPS Reading NAD 83 117 634765		Unit Make/Model HERIDIAN GOLD	Mode of Operation Q.T.M.	Site/Compartment/Block/Tract etc. STONEYVILLE

Log of Overburden and Bedrock Materials (see Instructions)		
General Colour	Most common material	Other Materials

General Colour	Most common material	Other Materials
BLACK	TOP SOIL	
BROWN	CLAY	
GREY	CLAY	
BROWN	SAND	GRAVEL
GREY	CLAY	SILT
BROWN	SAND	GRAVEL
GREY	CLAY	

Hole Diameter		Construction Record		Test of Well Yield	
Depth From 0	Metres To 15.55	Material	Wall thickness centimetres 0.48	Pumping test method PUMPED	Draw Down Time/Water Level min Metres 1 13.1 1 13.4
0	67.1	16.33	0.48	Pump intake set at (metres) 30.5	Static Level 10.8
Water Record		Casing		Pumping rate (litres/min) 54.60	Duration of pumping 1.2 hrs + min
Water found at Metres / Kind of Water		Screen		Final water level end of pumping 15.4 metres	Recommended pump type Shallow / Deep
6.9 m Fresh Sulphur		5 of 8 SLOT ON 24 Sides		Recommended pump depth 4.5 metres	Recommended pump rate 54.60
Gas Salty Minerals		B.O.S. 227'		If flowing give rate (litres/min)	If pumping discontinued, give reason.
Other:		Outside diam 12.7		If flowing give rate (litres/min)	
Fresh Sulphur		Slot No. 8			
Gas Salty Minerals		67.7			
Other:		No Casing or Screen			
After test of well yield, water was Clear and sediment free		Open hole			
Other, specify					
Chlorinated Yes No					

Plugging and Sealing Record		Final Status of Well	
Depth set at - Metres From 0	To 6	Material and type (benotite slurry, neat cement slurry) etc. BENSAL SLURRY	Annular space ☒ Abandoned ☐ Volume Placed (cubic metres)
Method of Construction		Water Use	
☐ Cable Tool	☐ Rotary (air)	☐ Digging	☐ Other
☒ Rotary (conventional)	☐ Air percussion	☐ Jetting	☐ Other
☐ Rotary (reverse)	☐ Boring	☐ Driving	☐ Other
Water Use		Public Supply	
☒ Domestic		☐ Not used	
☐ Stock		☐ Cooling & air conditioning	
☐ Irrigation		☐ Other	
Final Status of Well		Well Contractor/Technician Information	
☒ Water Supply	☐ Recharge well	Well Contractor's Licence No. 7178	
☐ Observation well	☐ Abandoned, insufficient supply	Name of Well Contractor DINTIERRE DRILLING	
☐ Test Hole	☐ Abandoned, poor quality	Business Address (street name, number, city etc.) 44 MITCHELL AVE ALISTON	
Well Contractor/Technician Information		Name of Well Technician (last name, first name) PETTIFER DONALD	
Signature of Technician/Contractor X Donald Pettifer		Well Technician's Licence No. 2955	
Date Stamped 07/15/10		Date Stamped 07/15/10	

Location of Well	
In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.	
	
Audit No. Z 73974	Date Well Completed 07/14/10
Was the well owner's information package delivered? ☒ Yes ☐ No	Date Delivered 07/14/10

Ministry Use Only	
Data Source	
Date Received YYYY MM DD	Date of Inspection YYYY MM DD
Remarks	