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**TO:** GENERAL COMMITTEE

**SUBJECT:** DECOMMISSIONING OF WELL 10

**WARD:** WARDS 8 AND 9

**PREPARED BY AND KEY CONTACT:** S. DIEMERT, P. Eng. *SD*  
RISK MANAGEMENT OFFICIAL (Ext. 5150) *SB*

**SUBMITTED BY:** J. WESTON, M.A.Sc., P. Eng., PMP *JMW*  
DIRECTOR OF ENGINEERING

**GENERAL MANAGER APPROVAL:** R. J. FORWARD, MBA, M.Sc., P. Eng. *per Stephen Nish*  
GENERAL MANAGER OF INFRASTRUCTURE & GROWTH MANAGEMENT

**CHIEF ADMINISTRATIVE OFFICER APPROVAL:** C. LADD *CL*  
CHIEF ADMINISTRATIVE OFFICER

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**RECOMMENDED MOTION**

1. That Well 10 – Huronia Road be discontinued as a source of municipal drinking water, as per Section 14 of Ontario Regulation 287/07 under the Clean Water Act.

**PURPOSE & BACKGROUND**

2. The Huronia Road Well was drilled and constructed in 1977 and was equipped for a capacity of 4,546 m<sup>3</sup>/day (52 L/s) which supplied Zone 2 South. Over the years the well was in service, the performance and capacity declined due to well plugging. A comprehensive rehabilitation program was completed several times which partially restored the performance.
3. Once the Surface Water Treatment Plant was operational, the need for this lower capacity well diminished and became uneconomical. Maintaining this well would have necessitated a review of the pumping equipment. As well, there were concerns associated with mixing surface water and groundwater. The well was taken out of service from providing water to the system and ultimately removed from the Permit to Take Water May 18, 2011.
4. The Drinking Water Works Permit was amended July 6, 2012.
5. International Water Supply Ltd. has decommissioned the well in accordance to Ontario Regulation 903. The building will be removed in the near future.
6. Section 14 of Ontario Regulation 287/07 requires the municipality to complete the following steps as part of the steps to officially remove a well from its drinking water system:
  - a. Pass a resolution stating the intent to discontinue use of the well
  - b. Publish notice of resolution in one or more newspapers to bring the notice to the attention of the public
  - c. Send a copy of the resolution to the Source Protection Committee

### ANALYSIS

7. Well No. 10 was included in the Approved Assessment Report: Lake Simcoe and Couchiching Black River Source Protection Area, November, 2011. If all the elements noted above are not completed prior to approval of the Source Protection Plan, the City will be required to enforce Part IV policies of the plan for the Wellhead Protection Area.
8. As part of the Official Plan and Zoning By-law amendment, the City would like to include updated mapping that does not include the Well 10 vulnerable area to accurately reflect the municipal drinking water system. A public meeting is scheduled for October 7, 2013 to consider a proposed Official Plan Amendment to update mapping and policies to reflect and implement updated information arising from the Clean Water Act, 2006.
9. To meet the requirements under Ontario Regulation 287/07, a notice of the resolution will be published in the Barrie Examiner on a weekday and weekend issue.
10. Further discussions will be held by staff to determine how this property may be utilized in the future.

### ENVIRONMENTAL MATTER

11. The following environmental matter has been considered in the development of the recommendation:
  - a) Changes to information regarding the drinking water system need to be reflected in the Assessment Report so that the implementation of Source Water Protection policies is based on current and accurate data.

### ALTERNATIVES

12. The following Alternative is for consideration by General Committee:

**Alternative #1**

General Committee could choose not to pass a Council Resolution at this time.

This Alternative is not recommended as the requirements for enforcement of Part IV of the Clean Water Act in the Well 10 vulnerable area would apply even though the well is no longer in service.

### FINANCIAL

13. There are no direct financial implications associated with the recommended motion. Well decommissioning was included as part of the 2013 Business Plan and will cost approximately \$16,000 when complete.

### LINKAGE TO 2010 – 2014 COUNCIL STRATEGIC PLANS

14. The recommendations included in this Staff Report support the following goal identified in the 2010-2014 City Council Strategic Plans:
  - Manage Growth and Protect the Environment
15. Ensuring accurate information is available on the municipal sources of drinking water will increase the effectiveness of policies.

APPENDIX "A"

Location of Well 10 Vulnerable Area

