

TOWNSHIP OF KING

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REGION OF YORK
CLERK'S OFFICE

FILE No. - P42

June 16, 2010

Erin Mahoney, M. Eng.
Commissioner of Environmental Services
Regional Municipality of York
17250 Yonge Street
NEWMARKET ON L3Y 6Z1



Dear Ms. Mahoney,

**RE: Engineering and Public Works Department Report
Number EPW 2010-16
Re: York Region and Local Municipality Sanitary Sewer Inflow
And Infiltration Reduction Program**

At its meeting of May 31st, 2010, Council received and adopted the recommendations of Engineering and Public Works Department Report EPW 2010-16 regarding the Region of York's request that nine (9) area municipalities actively participate in a Local Municipality Sanitary Sewer Inflow and Infiltration Reduction Program.

Please find enclosed for your information and file, an extract of C.O.W. Item #2010-123 of the Committee of the Whole Report of May 31st, 2010 and a copy of Engineering and Public Works Department Report No. EPW 2010-16.

Yours truly,

Chris Somerville
Clerk
Encls.

c.c. Denis Kelly, Regional Clerk, Region of York
Robert Flindall, Director of Engineering & Public Works
Bryan W. Tuckey, Commission of Planning and Development Services

TOWNSHIP OF KING

COMMITTEE OF THE WHOLE REPORT

The following item from the Committee of the Whole Report of May 31st, 2010 was adopted by Council at its meeting of May 31st, 2010. The minutes of the meeting were approved by Council at its meeting of June 14th, 2010.

**COPIES TO: FILE
ROB FLINDALL**

C.O.W. #2010-123

**Engineering and Public Works Department Report Number EPW 2010-16
Re: York Region and Local Municipality Sanitary Sewer Inflow
and Infiltration Reduction Program**

Committee considered Engineering and Public Works Department Report Number EPW 2010-16 regarding the Regional Municipality of York's request that nine (9) area municipalities actively participate in an Inflow and Infiltration Reduction Program to achieve 10% reduction of wastewater peak flows in the YDSS system within a twenty (20) year timeframe.

Committee recommends that Engineering and Public Works Department Report Number EPW 2010-16 be received, and the recommendations therein be approved, as follows:

1. THAT Engineering & Public Works Report EPW 2010-16 be received as information.
2. That in partnership with the Region, The Township of King agrees to determine what constitutes adequate funding and resources to support the reduction of inflow and infiltration (I/I) into wastewater systems with the objective of generating I/I reduction within local and regional wastewater systems by:
 - a) Actively participating in the Inflow and Infiltration Reduction Task Force by assigning staff to the Steering Committee and Working Groups;
 - b) Continue to seek out sources of inflow and infiltration in sanitary sewer systems;
 - c) Adopting engineering standards and guidelines intended to reduce I/I in new developments and within existing systems;
 - d) Developing funding and cost sharing principals to address future remediation projects aimed at reducing I/I;

3. That the Township of King continue to support Region of York water efficiency plans and policies;
4. That the Township of King continue to endorse and promote the participation in both the Sustainable Development Through LEED® programs for high-rise residential development and Sustainable Homes Incentive Programs (SHIP) for ground related residential development, or equivalent programs that promote water conservation and wastewater reduction.

CHRIS SOMERVILLE
CLERK

TOWNSHIP OF KING

DATE: May 31, 2010

TO: Committee of the Whole

FROM: Engineering & Public Works Department
Report No. EPW 2010-16

SUBJECT: York Region and Local Municipality Sanitary Sewer Inflow and Infiltration
Reduction Program

RECOMMENDATIONS

The Engineering & Public Works Department respectfully submits the following recommendations:

1. THAT Engineering & Public Works Report EPW 2010-16 be received as information.
2. That In partnership with the Region, The Township of King agrees to determine what constitutes adequate funding and resources to support the reduction of inflow and infiltration (I/I) into wastewater systems with the objective of generating I/I reduction within local and regional wastewater systems by:
 - a) Actively participating in the Inflow and Infiltration Reduction Task Force by assigning staff to the Steering Committee and Working Groups
 - b) Continue to seek out sources of inflow and infiltration in sanitary sewer systems
 - c) Adopting engineering standards and guidelines intended to reduce I/I in new developments and within existing systems
 - d) Developing funding and cost sharing principals to address future remediation projects aimed at reducing I/I
3. That the Township of King continue to support Region of York water efficiency plans and policies.
4. That the Township of King continue to endorse and promote the participation in both the Sustainable Development Through LEED® programs for high-rise residential development and Sustainable Homes Incentive Programs (SHIP) for ground related residential development, or equivalent programs that promote water conservation and wastewater reduction.

PURPOSE

The purpose of this report is to inform Council that the Regional Municipality of York has requested that the nine (9) area Municipalities which includes Aurora, East Gwillimbury, Georgina, Markham, Newmarket, Richmond Hill, Vaughan, Whitchurch-Stouffville, and the

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MAY 31/10

Township of King, actively participate in an Inflow and Infiltration Reduction Program to achieve 10% reduction of wastewater peak flows in the YDSS system within a 20 year timeframe.

BACKGROUND/ANALYSIS

Assignment of sanitary servicing allocation by the Region or York for new development for the years 2011-2013 is predicated on the participation of the local municipalities in the I/I reduction and water conservation programs. In order to ensure the Region's growth objectives for the future beyond the current 2013 servicing allocation, the Region requires additional downstream capacity in the YDSS system including twinning of the South East Collector and expansion of the Duffin Creek sewage treatment plant. The Region has been required by the MOE to reduce peak flows in the YDSS by 10% over the next 20 years as a condition of approval of the Individual Environmental Assessment for the South East Collector trunk sewer.

In the two-tier water/waste water system the ownership of the wastewater collection and transmission system is divided between the Region and the local municipalities. However, the majority of inflow and infiltration sources are within the local municipalities systems or on private property. Therefore, it is critical that the local municipalities be fully involved in the decision making and implementation process. The Region has initiated the formation of the I/I Reduction Task Force comprised of the Region and local municipal staff.

As the project is in its infancy, the Region wishes to obtain a commitment from each area Municipality to assign staff to develop a comprehensive strategy to I/I reduction. Staff will be guided by senior management who will report to their prospective Council's as to what the implications of any go forward commitments would be fiscally, and further to seek Councils approval at that time prior to proceeding further, based upon the net improvements and long term cost savings with respect to the overall system sustainability.

FINANCIAL IMPLICATIONS

There are no financial implications at this time as the Region is only seeking a commitment of staff time at the discretion of the Director of Engineering and Public Works, to provide expertise with respect to I/I reduction in a partnership role with the area municipalities and the Region.

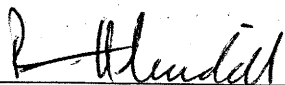
CONCLUSION

It is important for Township staff to actively participate in the I/I Reduction Task Force to ensure that future wastewater allocation is assigned to the Township to meet our commitments to growth and future population requirements. Through active participation in the I/I Reduction Task Force, Township staff will be in a better position to determine what the overall fiscal responsibilities of the Township might be with respect to I/I reduction, prior to the commencement of any initiatives which will require Council approval.

ATTACHMENTS

1. Region of York Report Dated February 18th 2010 – Assignment of 2013 YDSS Servicing Capacity to Local Municipalities.
2. Region of York Report Dated April 22nd 2010 – Principles for Providing Future Infrastructure

Prepared and Submitted by:



Rob Flindall, P.Eng.
Director, Engineering and Public Works