



Regional Clerk's Office
Corporate Services Department

NOTICE OF MEETING

ENVIRONMENTAL SERVICES COMMITTEE

A meeting of the Regional Environmental Services Committee will be held on **WEDNESDAY, SEPTEMBER 15, 2010**, in Committee Room "A", York Region Administrative Centre, 17250 Yonge Street, in the Town of Newmarket, at **9:00 a.m.**

DENIS KELLY
REGIONAL CLERK

G. Boulianne/kc
September 9, 2010
Attachment

Committee Members

Regional Councillor M. Ferri, Chair
Regional Councillor D. Wheeler, Vice-Chair
Regional Councillor J. Heath
Regional Councillor G. Landon
Regional Councillor G. Rosati
Regional Councillor J. Taylor
Regional Councillor J. Virgilio
Regional Chair B. Fisch, ex officio

2285847 P42 September 15, 2010

**Regional Clerk's Office
CORPORATE SERVICES DEPARTMENT**

A G E N D A

ENVIRONMENTAL SERVICES COMMITTEE

**Committee Room "A"
Administrative Centre
17250 Yonge Street
Newmarket, Ontario**

September 15, 2010

**9:00 a.m.
Quorum: 4**

DISCLOSURES OF INTERESTS

Page No.

A. DEPUTATIONS

(Subject to the Committee granting deputant status.)

1. None.

B. PRESENTATIONS

1. None

C. COMMUNICATIONS

- | | |
|--|-----------|
| 1. Mr. J. D. Leach, Town Clerk/Director of Customer and Legislative Services, Town of Aurora, dated June 10, 2010, regarding Inflow and Infiltration Program Participation | 1 |
| 2. Ms. Chris Somerville, Clerk, Township of King, dated June 16, 2010 regarding Replacement of Watermain and Installation of Sanitary Sewers on Regional Road 27, Nobleton and Nobleton Sewers - Region Comments on Regional Road 27 Work. | 3 |
| 3. Ms. Chris Somerville, Clerk, Township of King, dated June 16, 2010, regarding Engineering and Public Works Department Report Number EPW 2010-16 Re: York Region and Local Municipality Sanitary Sewer Inflow and Infiltration Reduction Program | 13 |

4. Ms. P.M. Madill, Regional Clerk, Durham Region dated June 24, 2010, regarding Report on the Rehabilitation of Stage I and Stage II at the York-Durham Duffin Creek Water Pollution Control Plant, in the City of Pickering (2010-W-85) **21**
5. Ms. Kimberley Kitteringham, Town Clerk, Town of Markham, dated July 8, 2010, regarding Inflow and Infiltration Reduction Pilot Project (5.5) **29**
6. Mr. C. Kalimootoo, Director, Engineering and Environmental Services, Town of East Gwillimbury, dated July 20, 2010, regarding CPI Report 2010-48 – Sustainable Development Program Component Regional Inflow and Infiltration Task Force **37**
7. Minister John Gerretsen, Ministry of the Environment, dated August 9, 2010, regarding Proposed Lake Simcoe Phosphorus Reduction Strategy, the Feasibility Study for Water Quality Trading and the Shoreline Protection Discussion Paper **49**
8. Memorandum from Erin Mahoney, Commissioner, Environmental Services, dated September 15, 2010, regarding 2010 Water and Wastewater Supply and Demand Monitoring Report **51**

**D. REPORT SUBMITTED BY THE
COMMISSIONER OF ENVIRONMENTAL SERVICES AND
COMMISSIONER OF PLANNING AND DEVELOPMENT SERVICES**

1. **Upper Unionville Inc.-Inflow and Infiltration Reduction – Pilot Project Agreement Principles – Town of Markham** **59**

September 2, 2010, recommending that:

1. The Commissioner of Environmental Services be authorized to execute the tri-party agreement with Town of Markham and Upper Unionville Inc. for Upper Unionville Inc. to undertake the Inflow and Infiltration Reduction pilot project in the Town of Markham, in accordance with the principles outlined herein.
2. The Regional Clerk forward a copy of this report to the Town of Markham and Upper Unionville Inc.

**REPORTS SUBMITTED BY THE
COMMISSIONER OF ENVIRONMENTAL SERVICES**

2. Increase to the Total Project Budget Authority for Various Projects 79

September 1, 2010, recommending that:

1. Regional Council authorize an amendment to the 2010 Capital Budget to increase the total project budget authority for projects outlined in Section 4 for issuance of tenders in advance of approval of the 2011 Capital Budget and that all project increases be funded on the same ratio as for the existing project.

3. Pre-Purchase of Biofilter Control System for the Existing YDSS Boundary Facility 89

September 1, 2010, recommending that:

1. Regional Council authorize entering into a contract with Biorem Technologies Inc. for the design, supply, supervision of installation, commissioning, training and warranty for a Biofilter Control System to be installed as part of the upgrades to the existing York Durham Sewage System Boundary Facility, at a cost of \$897,000.00 exclusive of all taxes.

4. Water and Wastewater Infrastructure Status Report 93

September 1, 2010, recommending that:

1. The Regional Clerk circulate this report to the Clerks of the local municipalities.

5. Glenway Reservoir Expansion – Consultant Selection for Engineering Services Project Number 75450

109

September 2, 2010, recommending that:

1. GHD Inc. be engaged to undertake the Class Environmental Assessment, detailed design, contract administration and site inspection for the Glenway Reservoir Expansion, as outlined in this report, at an upset limit fee of \$743,492, excluding taxes. The upset limit fee includes:
 - a. \$462,692, excluding taxes, for Class Environmental Assessment, detailed design and engineering services during construction.
 - b. \$280,800, excluding taxes, for contract administration and site inspection services, based on 72 weeks construction duration estimated by staff.
2. The Commissioner of Environmental Services be authorized to adjust the contract administration and site inspection fees using the competitive unit price of \$3,950.83 per week, excluding taxes, to match the updated construction duration determined on completion of detailed design.

6. Sutton Water Servicing – Consultant Selection for Engineering Services Project Number 72200

117

September 2, 2010, recommending that:

1. Cole Engineering Group Ltd. be engaged to undertake the Class Environmental Assessment, detailed design, contract administration and site inspection for the Sutton Water Servicing Project, as outlined in this report, at an upset limit fee of \$1,298,310.90, excluding taxes. The upset limit fee includes:
 - a. \$800,923.90, excluding taxes, to carry out class Environmental Assessment, detailed design, project management, allowances and provisional activities, excluding construction contract administration and site inspection services.
 - b. \$497,387.00, excluding taxes, for construction contract administration and site inspection services, based on 738 days construction duration estimated by Cole Engineering Group Ltd.

2. The Commissioner of Environmental Services be authorized to adjust the original engineering fee for construction contract administration and site inspection to match the updated construction schedule, which is to be determined on the completion of detailed design and tender packages preparation.

7. Consultant Selection for the Richmond Hill Pumping Station Pump Replacements and Miscellaneous Upgrades, Town of Richmond Hill, Project 75620 **125**

August 23, 2010, recommending that:

1. Cole Engineering Group Ltd. be engaged to undertake the Class Environmental Assessment, detail design, contract administration and site inspection for the replacement of pumps and miscellaneous upgrades at the Richmond Hill Pumping Station as outlined in this report, at an upset limit fee of \$778,402.00, exclusive of taxes. The upset limit fee includes:
 - a) \$358,642.00 for Class Environmental Assessment, detail design and engineering services.
 - b) \$419,760.00 for contract administration and site inspection services, based on a construction duration of 66 weeks estimated by staff.
2. The Commissioner of Environmental Services be authorized to adjust contract administration and site inspection fees using the competitive unit price of \$6,360.00 per week excluding taxes, once the updated construction duration is determined and specified in the tender documents.

8. West Vaughan Sewage Servicing in the City of Vaughan for Consultant Selection for Class Environmental Assessment Study – Project 75300 **133**

September 1, 2010, recommending that:

1. Hatch Mott MacDonald Ltd. be engaged to undertake the Class Environmental Assessment Study for West Vaughan Sewage Servicing as outlined in this report, at an upset limit fee of \$2,691,764, excluding taxes.

9. 2010 Waste Diversion Projection Update **141**

September 3, 2010, recommending that:

1. This report be received for information.

10. Update on the Expansion Projects at the Duffin Creek Water Pollution Control Plant and Stage 3 Odour Management Plan Commitments **149**

September 1, 2010, recommending that:

1. Regional Council authorize the Chief Administrative Officer to execute contracts associated with the New Stages 1 and 2 Upgrade and Refurbishment Project:
 - for reasons of compatibility under the sole source provisions of the Purchasing By-law with approximately seven (subject to change during the design phase) suppliers or manufacturers for process equipment; and
 - approximately seven construction contracts and two equipment pre-purchase contracts (subject to change during the design phase) either through proposals or open bids, tendered through provisions of the Purchasing By-law for construction and installation of pre-purchased equipment.
2. Regional Council authorize the Commissioner of Environmental Services to negotiate and execute agreements for reasons of compatibility under sole source provisions of the Purchasing By-law with:
 - Revay and Associates to assist York and Durham Regions with Project Planning and Monitoring for an amount not to exceed \$1,500,000
 - Resource Environmental Associates Limited to assist York and Durham Regions with the on-site Duffin Creek Health and Safety Program for an amount not to exceed \$1,200,000
 - eBuild.ca to provide a Collaborative Business Platform for document transfer and storage for an amount not to exceed \$500,000
3. Regional Council authorize an increase and extension to the existing CH2MHill assignment under contract P-05-29 for the Stage 3 Expansion Projects from the current value of \$44,247,574 by \$2,770,000 to \$47,017,574 and extend the current expiry date from December 31, 2011 to December 31, 2014. These changes are required to cover additional engineering services for additional site inspection and contract administration.

11. Process for Recovering Costs Associated with Processing Compacted Blue Box Materials**159**

September 1, 2010, recommending that:

1. Regional Council authorize the recovery of cost premiums associated with processing over-compacted loads of recyclable material, subject to the following conditions:
 - a) Collection of fees for over-compacted loads be deferred until July 1, 2011 to provide sufficient time for the local municipalities to implement any necessary operational changes at a maximum cost of \$316,000 to the Region.
 - b) Deferral of fees be subject to the local municipalities ensuring that their collection contractors demonstrate progressive quarterly reductions in over compacted loads and should this target not be met, in any quarter over-compaction fees would commence immediately or at the discretion of the Commissioner of Environmental Services.
 - c) The local municipalities submit quarterly reports to the Region detailing implemented operational changes which will ultimately result in meeting the goal of no over-compacted loads.
 - d) The Region undertake quarterly compaction tests for a period of one year starting on October 4, 2010 and on an as required basis thereafter for the purpose of verifying base density from which over compaction can be measured.
 - e) The Region accept loads that exceed 2.5 compaction up to a maximum of 10 percent and the uncompacted density be increased accordingly.
 - f) Effective July 1, 2011 the Region invoice any municipality that delivers loads of over compacted material to the Material Recovery Facility at a rate of \$50.00 per load for compaction between 2.5 and 3.0 and \$150.00 for loads between 3.01 and 3.5.
 - g) After July 1, 2011 loads that exceed 3.5 compaction be landfilled or delivered to the Dongara Pellet Plant and the actual costs, inclusive of transportation, be charged to the Municipality from which the material was collected.

12. Great Lakes Intra-Basin Transfer Application Update **171**

September 3, 2010, recommending that:

1. Staff report back to Regional Council in Winter 2011 on the ongoing activities concerning Intra-basin Transfer, including changes to the *Ontario Water Resources Act*, and implications for the Region.
2. The Regional Clerk forward copies of this report to the local municipalities and the Ministries of the Environment and Natural Resources.

13. Durham York Energy From Waste Project Update **197**

September 7, 2010, recommending that:

1. The Regional Chair and CAO be authorized to execute the Design-Build-Operate agreement with Covanta and the Co-Owners Agreement with Durham Region in general accordance with the principles outlined in this report and subject to approval of the Individual Environmental Assessment by the Minister of the Environment.
2. The total project budget authority for capital works be increased from \$54 million dollars to \$68.3 million including an allowance to accommodate pending Conditions of Approval from the Ministry of the Environment as well as updated project components.

14. Proposed *Water Opportunities and Water Conservation Act, 2010* **209**

September 1, 2010, recommending that:

1. Council endorse the attached staff comments on Environmental Bill of Rights (EBR) Registry Posting Number 010-9940 as submitted on July 16, 2010.
2. The Regional Clerk circulate this report to the local municipalities.

OTHER BUSINESS

1. Commissioner's Update

Presentation by Erin Mahoney, Commissioner, Environmental Services

ADJOURNMENT

Note: There may be additional items considered that do not appear on this Agenda. Please refer to the Committee Report to Council, found in Agendas, Minutes and Reports under Regional Government at: www.york.ca, for all items considered at this meeting.