Present were: Chair J. Wideman, L. Armstrong, J. Brewer, T. Cowan, D. Craig, R. Deutschmann, T. Galloway, J. Haalboom, B. Halloran, R. Kelterborn, G. Lorentz, C. Millar, J. Mitchell, K. Seiling, S. Strickland, and C. Zehr

DECLARATIONS OF PECUNIARY INTEREST UNDER THE MUNICIPAL CONFLICT OF INTEREST ACT

K. Seiling declared a pecuniary interest with respect to Report-13-048, Stage 1 Light Rail Project – Request for Proposal Technical Matters and Report E-13-050, Recommended Location and Access Modifications for Grand River Hospital Rapid Transit Stop, due to two of his adult children who own residential properties within the proposed light rail transit corridor.

D. Craig declared a pecuniary interest with respect to Report-13-048, Stage 1 Light Rail Project – Request for Proposal Technical Matters and Report E-13-050, Recommended Location and Access Modifications for Grand River Hospital Rapid Transit Stop, due to his son owning property within the area of a proposed station on the rapid transit system.

R. Deutschmann declared a pecuniary interest with respect to Report-13-048, Stage 1 Light Rail Project – Request for Proposal Technical Matters and Report E-13-050, Recommended Location and Access Modifications for Grand River Hospital Rapid Transit Stop, due to a pecuniary interest since he and his spouse are shareholders of corporations that have an interest in a property at 10 Duke Street West, Kitchener.

MOTION TO APPROVE ITEMS OR RECEIVE FOR INFORMATION

MOVED by B. Halloran
SECONDED by R. Kelterborn

THAT the following items be approved:


- THAT the Regional Municipality of Waterloo amend section 4 of the Terms of Reference of the Laurel Creek Headwaters Environmentally Sensitive Landscape Public Liaison Committee, as described in Report No. P-13-040, dated April 9, 2013.

- THAT the Regional Municipality of Waterloo enter into a Consultant Services Agreement with MTE Consultants Inc. of Kitchener, Ontario to provide consulting engineering services for the preliminary design, detailed design, contract administration and construction inspection for the Ottawa Street Improvements from Highway 7 Eastbound Ramp to Lackner Boulevard in the City of Kitchener at an upset limit of $261,572.66 plus applicable taxes, as per Report E-13-045 dated April 9, 2013, for the preliminary design
and detailed design phases with contract administration and construction inspection to be paid on a time basis.

- THAT the Regional Municipality of Waterloo enter into a Consultant Services Agreement with WalterFedy to provide consulting engineering services for a Class Environmental Assessment, detailed design, contract administration and construction inspection for Northumberland Street/Swan Street from the CPR Tracks to Hilltop Drive in the Township of North Dumfries at an upset fee limit of $515,873.92 plus applicable taxes for the Class Environmental Assessment and detailed design phases with construction administration services to be paid on a time basis as described in Report E-13-051 dated April 9, 2013.

- THAT the Regional Municipality of Waterloo enter into a Consulting Services Agreement with XCG Consultants Ltd. of Kitchener, Ontario, to provide consulting engineering services for undertaking the New Hamburg Wastewater Treatment Plant (WWTP) Expansion Class Environmental Assessment (EA) and Preliminary Design, at an upset limit of $550,000 plus applicable taxes, as per Report E-13-047, dated April 9, 2013.

AND THAT the following items be received for information:

- E-13-049, Traffic Management for 2013 Road Construction Contracts
- Memo: Fairway Road Extension from East of Pebble Creek Drive to West of Zeller Drive - Noise Barrier Assessment and Landscaping Features Review - City of Kitchener

CARRIED

REGULAR AGENDA RESUMES

REPORTS – TRANSPORTATION AND ENVIRONMENTAL SERVICES

DESIGN AND CONSTRUCTION

a) E-13-019, Hespeler Road / Canadian Pacific Railway Grade Separation Urban Design Enhancements, City of Cambridge

Some Committee members inquired about the budget for the parkettes. Thomas Schmidt, Commissioner, Transportation and Environmental Services noted that staff will be meeting with City of Cambridge staff to discuss the parkettes further and indicated that staff will report back to Committee.

Committee members highlighted to staff to be selective in the types of plants to be planted in the medians.

Staff responded to questions regarding some of the enhancements being provided.

MOVED by D. Craig
SECONDED by J. Haalboom

THAT the Regional Municipality of Waterloo approve the following actions with respect to the Hespeler Road / Canadian Pacific Railway Grade Separation, City of Cambridge:
(a) Approve the Urban Design Enhancement concept for the Hespeler Road corridor, from Dundas Street / Coronation Boulevard (the “Delta”) to Avenue Road / Jaffray Street, as described in Report E-13-019, dated April 9, 2013;

(b) Approve Dufferin Construction Company to construct, in 2013, the urban design enhancements under a Change Order to the Region’s existing Hespeler Road / Canadian Pacific Railway Grade Separation Contract 2011-003, to a maximum of $225,000;

(c) Direct staff to develop and implement design of the permanent banners, including options for colours, materials and graphics; and

(d) Direct staff to continue discussions with City of Cambridge staff concerning timing, design, cost-sharing and implementation of parkettes with concentrated landscape/streetscape,

all as described in Report E-13-019.

CARRIED

RAPID TRANSIT

b) E-13-048, Stage 1 Light Rail Project – Request for Proposal Technical Matters

Committee members asked for clarification regarding security on LRT. T. Schmidt highlighted that staff have not reached that point yet but that consideration will be made to a layered response similar to the current practice at GRT.

Darshpreet Bhatti, Director, Rapid Transit listed the City streets that would be affected by RT.

Committee members discussed the design and bid fee and staff provided clarification and responded to questions regarding powering the LRT system.

MOVED by L. Armstrong
SECONDED by T. Galloway

THAT the Regional Municipality of Waterloo approve the Request for Proposal Technical Matters and a Design and Bid Fee of $200,000 for each unsuccessful qualified proponent as described in Report E-13-048 dated April 9, 2013.

CARRIED
(J. Haalboom opposed)

c) E-13-050, Recommended Location and Access Modifications for Grand River Hospital Rapid Transit Stop

MOVED by S. Strickland
SECONDED by T. Cowan

THAT the Regional Municipality of Waterloo approve the recommended location and access modifications for the Grand River Hospital Rapid Transit station stop, as per Report E-13-050, dated April 9, 2013.

CARRIED
WATER SERVICES

d) Class Environmental Assessment for Biosolids Heat Drying Facility – Information Package in Advance of Public Information Centre No. 2 (Staff Presentation)

Received for information.

Kaoru Yajima, Senior Project Engineer, Water Services provided a presentation highlighting:

- Region’s Master Planning of Biosolids;
- Schematic of Possible Drying Concept;
- Features and Benefits of MP Preferred Alternative;
- Class EA Activity;
- Short-listed Sites for Heat Drying Facility – Key Features;
- Evaluation Results;
- Preliminary Preferred Site for Heat Drying facility: Cambridge Waste Management Centre; and
- Anticipated Impacts and Proposed Mitigation Measures

A copy of the presentation is appended to the original minutes.

Committee members expressed concerns about the after market of the dry biosolids and asked for clarification on the use of the dry biosolids. Committee members also inquired about how long the process will take and if the dry biosolids will be stored or used right away. Nancy Kodousek, Director, Water Services noted that the dry biosolids can be used in a variety of ways, mostly for fertilizer. She noted that they will be used just in time and the process is relatively quick, a few hours.

Discussion occurred around sending biosolids to another Region or finding another facility or location for the Biosolids Heat Drying Facility. Staff stated that the Region has not pursued this option.

Committee members asked staff to provide safety records from other existing facilities and asked for pictures of the facilities located in Canada.

T. Schmidt, provided clarification on using waste heat to dry biosolids and explained the Public-Private Partnership (P3) model. He also highlighted that the heat drying method was decided back in 2011 when the master plan was approved.

INFORMATION/CORRESPONDENCE

a) Council Enquiries and Requests for Information Tracking List

Received for information.

OTHER BUSINESS

Chair Wideman highlighted that staff were looking to hold a Public Input Meeting at Rebel Creek Golf Course regarding road improvements in the Village of Petersburg in the Township of Wilmot on Tuesday, June 25, 2013 at 7:00 p.m. Committee members agreed to this date.

NEXT MEETING – April 30, 2013
ADJOURN

MOVED by J. Millar
SECONDED by S. Strickland

THAT the meeting adjourn at 11:08 a.m.

CARRIED

COMMITTEE CHAIR, J. Wideman

COMMITTEE CLERK, E. Flewwelling
CLASS ENVIRONMENTAL ASSESSMENT FOR THE BIOSOLIDS HEAT DRYING FACILITY

Presentation to the Planning and Works Committee in advance of Public Information Centre No.2

April 9, 2013
Region’s Master Planning of Biosolids

- 2003 Biosolids Master Plan: dewater biosolids into cake
- 2011 Biosolids Master Plan: heat dry dewatered cake

Single Heat Drying Facility
Schematic of Possible Drying Concept

From:
- Galt WWTP
- Kitchener WWTP
- Waterloo WWTP

Beneficial Uses:
- Fertilizer
- Land amendment
- Biofuel
Features and Benefits of MP Preferred Alternative

A facility that will:

- process 85% of the Region’s biosolids;
- be located at a single facility;
- utilize waste heat.

Benefits of the facility:

- produces a dry end product that has the flexibility to be used for multiple purposes, relying less on land application and landfilling;
- reduces volume of biosolids which lessens hauling volumes;
- utilizes waste heat which reduces greenhouse gas emissions;
- attempts to better manage the Region’s biosolids into the future as the Region grows, and as regulations change.

Initiated Class Environmental Assessment (EA) to determine the preferred site location
<table>
<thead>
<tr>
<th>Date</th>
<th>EA Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 2012</td>
<td>Notice to Commence (Oct. 16)</td>
</tr>
<tr>
<td>Nov. 2012</td>
<td>Establish stakeholders, background work, propose evaluation criteria and initial screening of sites. Short-listed 2 potential sites (Cambridge and Waterloo Waste Management Centres (WMC))</td>
</tr>
<tr>
<td>Dec. 2012</td>
<td>Steering Committee Meeting No.1 (Nov. 5) Stakeholder Committee Meeting No.1 (Nov. 19) PIC No.1 for preliminary feedback (Dec. 3 &amp; 11)*</td>
</tr>
<tr>
<td>Jan. to Mar. 2013</td>
<td>Comparative analysis of short-listed sites</td>
</tr>
<tr>
<td>Feb. 2013</td>
<td>Presentation to Waterloo Region Landfill Liaison Committee</td>
</tr>
<tr>
<td>Apr. 2013</td>
<td>Steering Committee Meeting No.2 (Mar. 21) Stakeholder Committee Meeting No.2 (Mar. 21) PIC No. 2 to present preliminary preferred site (Apr. 10 &amp; 15)**</td>
</tr>
</tbody>
</table>

* Advertisement issued week of Nov. 19, 2012
** Advertisement issued week of Apr. 2, 2013
Class Environmental Assessment for Biosolids Heat Drying Facility

Short-Listed Sites for Heat Drying Facility - Key Features

**WRESTRC Site**
- Adjacent to WRESTRC on Waterloo WMC property
- About 1.3 km from nearest residential community
- Potential community concerns with odours, traffic and noise
- Waste heat is available from electricity generator engines and exhaust, powered by landfill gas

**Cambridge WMC**
- On Cambridge WMC property
- Surrounded by industrial and agricultural land uses
- Waste heat source from reheat furnace stack – partially powered by landfill gas
- A few small significant wetland areas on property
Evaluation Results

Social Criteria

Higher score means higher ranking, lower impact

Technical Criteria

Higher score means higher ranking, lower impact

Financial Criteria

Higher score means higher ranking, lower cost

Aggregate

Total Score = 82
Total Score = 71
Preliminary Preferred Site for Heat Drying Facility: Cambridge Waste Management Centre

Key advantages of this site:

- Mostl surrounded by industrial development;
- Lower greenhouse gas generation;
- Required upgrades and synergies with existing site use facilitate project implementation and minimize operational and monitoring complexity;
- Lowest capital, operation and maintenance costs and life cycle cost.
### Anticipated Impacts and Proposed Mitigation Measures

#### Community/Social:

**Odours**
- Treat using biofilters
- Unload biosolids within enclosed facilities

**Noise**
- Use sound insulated architecture

**Traffic**
- By 2041, 6 to 7 trucks/day carrying biosolids cake in, and 1 to 2 trucks/day carrying dried product out
- Comply with local City by-laws and restricted to truck designated routes

#### Natural/Technical:

**Water, Air, Soil, Natural Heritage**
- Manage stormwater run-off with existing stormwater ponds
- Minimize the alteration/impact to wetlands
- Implement erosion and sediment control
- Conduct an Environmental Impact Assessment Study of the proposed site
- The adjacent wood lot will be protected with a no construction zone

**Operations Staff Health and Safety**
- Certify and licence truck drivers
- Implement spills response strategies
- Treat to remove particulates to meet air regulatory requirements
- Good design of facility and incorporation of safety systems to minimize risks
Questions?

Public Information Centre No.2
5:00 – 7:30 p.m.
April 10, 2013 (KW Bilingual School, Waterloo)
April 15, 2013 (Cambridge Sports Park, Cambridge)
Schematic of Possible Drying Concept

- Dewatered Biosolids ~ 25% DS
- Supplemental Natural Gas
- Waste Heat

Heat Drying Process

Dried Biosolids Storage > 90% DS

To beneficial end-uses:
- Land application
- Fertilizer
- Biofuel
Preferred Alternative: Centralized Heat Drying Facility

Source: 2011 Biosolids Master Plan

Class Environmental Assessment for Biosolids Heat Drying Facility