



November 7, 2008

D. Kelly, Regional Clerk
The Regional Municipality of York
17250 Yonge Street
Newmarket, ON L3Y 6Z1

REGION OF YORK
CLERK'S OFFICE

FILE No. - P27

**RE: ENERGY FROM WASTE FACILITY ENVIRONMENTAL AND
HUMAN HEALTH MONITORING BEST PRACTICES REVIEW
(2008-WR-34) (Our File No.: D04)**

The Regional
Municipality
of Durham

Clerk's Department

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Pat M. Madill, A.M.C.T., CMM I
Regional Clerk

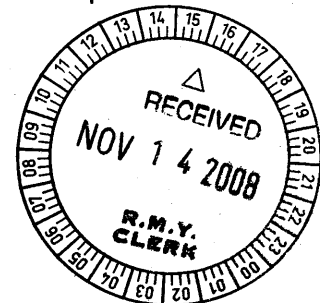
Please be advised the Works Committee of Regional Council considered the above matter and at a meeting held on October 29, 2008 Council adopted the following recommendations of the Committee:

- "a) THAT the services of Jacques Whitford (Regional Municipality of Durham's Environmental Assessment consultant), be retained to conduct a review of best practices of environmental surveillance which includes environmental monitoring, health surveys and biological monitoring, to develop an on-going environmental monitoring program for the Regional Municipality of Durham at an estimated cost of \$205,000 (before applicable taxes);
- b) THAT Dr. Lesbia Smith be retained to assist staff by peer reviewing the proposed environmental surveillance program at an estimated cost of \$35,000;
- c) THAT the entire budget for the review of best practices of environmental surveillance be funded by the Regional Municipality of Durham until such time that potential funding is secured from the Region of York through negotiations between the two (2) Regions, as this work is outside the Environmental Assessment Terms of Reference, and therefore, is not covered by the existing York-Durham agreement for 50/50 funding splits; and
- d) THAT the source of funding for the estimated cost of \$240,000 for these activities be at the discretion of the Commissioner of Finance."

For your information, please find enclosed a copy of Report #2008-WR-34 of the Commissioner of Works.

P.M. Madill, AMCT, CMM I
Regional Clerk
PMM/cb

Encl.



- c: C. Curtis, Commissioner of Works, Region of Durham
Dr. Kyle, Commissioner and Medical Officer of Health, Region of Durham



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The Regional Municipality of Durham
To: The Works Committee
From: Commissioner of Works
Report: 2008-WR-34
Date: October 15, 2008

SUBJECT:

Energy from Waste Facility Environmental and Human Health Monitoring Best Practices Review

RECOMMENDATIONS:

THAT subject to the approval of the Finance and Administration Committee, the Works Committee recommends to Regional Council that:

- a) The services of Jacques Whitford (Regional Municipality of Durham's Environmental Assessment consultant), be retained to conduct a review of best practices of environmental surveillance which includes environmental monitoring, health surveys and biological monitoring, to develop an on-going environmental monitoring program for the Regional Municipality of Durham at an estimated cost of \$205,000 (before applicable taxes);
 - b) Dr. Lesbia Smith be retained to assist staff by peer reviewing the proposed environmental surveillance program at an estimated cost of \$35,000;
 - c) The entire budget for the review of best practices of environmental surveillance be funded by the Regional Municipality of Durham until such time that potential funding is secured from the Region of York through negotiations between the two (2) Regions, as this work is outside the Environmental Assessment Terms of Reference, and therefore, is not covered by the existing York-Durham agreement for 50/50 funding splits; and
 - d) The source of funding for the estimated cost of \$240,000 for these activities be at the discretion of the Commissioner of Finance.
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REPORT:**1. BACKGROUND**

In response to the Region Council resolution of May 28, 2008:

- “g) i) THAT staff review the best practices of environmental monitoring programs which include environmental surveillance, health surveys, biological monitoring, health studies, and any other pertinent studies as determined through the review and consultation regarding environmental monitoring programs; and*
- ii) THAT an environmental monitoring program be developed based on best practices which will provide baseline information and ongoing studies during the life cycle of the facility.”*

Staff requested our Environmental Assessment (EA) consultant, Jacques Whitford, to submit a proposal to investigate the best practices for similar incineration facilities worldwide, to ensure the proposed facility meets or exceeds the best in the industry class and, to recommend an ongoing environmental monitoring program. This will be a “ground breaking” study in Canada and will likely be referenced around the world, will be reviewed by numerous agencies and, will be the subject of considerable debate amongst those both for and against Energy from Waste (EFW) facilities in North America and the world. For this reason, a comprehensive review based on scientific and medical review protocols is required that will be able to be defended by doctors and health care professionals.

The cost of the framework for the review as laid out in the Jacques Whitford presentation to the Joint Waste Management Group (JWMG) was \$205,000 (before applicable taxes). In addition to this cost, an estimated \$35,000 will be required for staff participation/review, which includes the Medical Officer of Health and Dr. Lesbia Smith’s peer review, bringing the total estimated cost to approximately \$240,000. This was not a process anticipated in the original EA Terms of Reference, hence, there is no budget available to fund this exercise in the 2008 EFW budget. Also, since this work is outside the EA Terms of Reference, it is not covered by the York-Durham agreement of 50/50 funding.

The cost of the ongoing monitoring throughout the operation of the facility will be an outcome of the Jacques Whitford study and cannot be estimated until the extent of the monitoring is known.

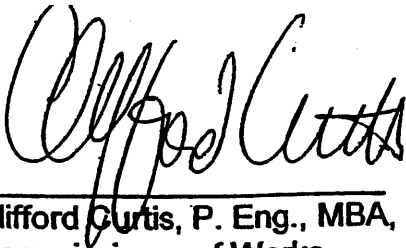
2. CONCLUSION

The Joint Waste Management Group have reviewed the Jacques Whitford proposal regarding the conduct of the study protocol to review best practices for environmental surveillance and recommend that it be initiated by Jacques Whitford at a cost of \$205,000 (before applicable taxes).

In addition, the Joint Waste Management Group recommends that a peer review of this study be undertaken by Dr. Lesbia Smith at a cost of \$35,000.

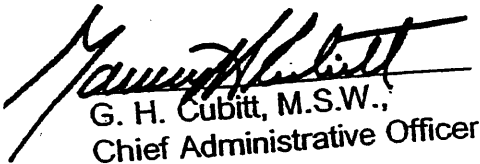
This work is outside the EA Terms of Reference, and therefore it is not covered by the York-Durham agreement of 50/50 funding. It is further recommended that the entire budget for the review of best practices of the environmental surveillance in the amount of \$240,000 be funded by the Regional Municipality of Durham until such time that funding is secured from the Region of York through final negotiations of the memorandum of understanding between the two (2) Regions, and further, that the source of the funding allocation be provided at the discretion of the Commissioner of Finance.

This report has been reviewed by the Finance Department and the Commissioner of Finance concurs with the financial recommendation.



Clifford Curtis, P. Eng., MBA,
Commissioner of Works

Recommended for Presentation to Committee



G. H. Cubitt, M.S.W.,
Chief Administrative Officer

WM4/ms