

February 11, 2003

## **Approved membership of New and Emerging Technologies, Policies and Practices Advisory Group**

Listed below are the experts, citizens and other voting and non-voting stakeholders approved for membership by the City of Toronto's Works Committee.

### **Experts**

#### **Dr. Francis Chang, Ph.D., P.Eng.**

Dr. Chang received a Ph.D. in chemical engineering from the University of Toronto in 1975. With over 25 years experience in research, process development and process evaluation, his engineering expertise includes process design, process control and instrumentation and detailed design and selection. Recently, Dr. Chang has been involved in projects related to green energy and advanced energy conversion, emission control technologies, bio-fuel production and utilization and biodigestion and biogas technology. He is currently a member of the Professional Engineers Ontario and several other professional associations.

#### **Dr. Philip H. Byer, Ph.D., P. Eng.**

Dr. Byer is a Professor in the Department of Civil Engineering and Chair, Division of Environmental Engineering, at the University of Toronto. Major areas of research and professional practice includes multi-objective project evaluation, environmental planning and decision-making, environmental assessment, risk management and solid waste management. Dr. Byer has served on a number of high-profile committees sponsored by the federal and provincial governments including the Ontario Environmental Assessment Advisory Committee, which he chaired from 1986 to 1995, and the Environment Committee of the Toronto 2008 Olympic Bid Organization from 1999 – 2001. He received a Ph.D. in Civil Engineering from the Massachusetts Institute of Technology in 1975 and is a member of the Professional Engineers Ontario and the Association of Environmental Engineering and Science Professors.

#### **Dr. Craig J. Simpson, Ph.D., P.Eng.**

Dr. Simpson is semi-retired (as of August 2002) from the Technology and Development Department of Enbridge Consumers' Gas where he managed research and development programs in water heating, basic sciences, alternate fuels technology, materials and led the fuel-cell testing team. Previously, he spent 22 years with the Research Division of Ontario Hydro eventually at the level of Principal Research Engineer. His previous work at Ontario Hydro includes plasma pyrolysis of municipal solid waste.

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Dr. Simpson received a Ph.D. in Metallurgy and Materials Science from the University of Toronto in 1969 and from 1989 to 1997 he was an Adjunct Professor in the Department of Metallurgy and Materials Science at the University of Toronto. Dr. Simpson is a member of Professional Engineers Ontario and, until retirement, was a member of a number of other professional and scientific associations.

### **Glenda Gies**

Working in the field of waste management with a focus on resource management issues since 1978, Ms. Gies' experience includes design, implementation and operation of recycling and composting programs as well as policy development and strategic planning for a variety of organizations and levels of government. Currently, she works in a private consulting practice, contracting with private companies and government agencies in Canada, the United States and Britain to develop waste and resource management policies and related programs. Prior to 1992, Ms. Gies was employed by Airite Environmental Industries to design collection systems and participate in development of composting systems for organic wastes. Earlier in her career, from 1978 to 1989, she founded Durham Recycling Centre Inc., one of the first recycling companies in Ontario.

### **Citizens (all residents of Toronto)**

#### **Peter Beisswenger**

A retired chemical engineer and executive member of the Don Mills Residents Inc., Mr. Beisswenger has experience in plastic waste, primary and secondary industrial wastewater treatment, and with incineration of hazardous waste.

#### **Karen Buck**

Representing Citizens for a Safe Environment, Ms. Buck has 16 years experience working for citizens on Toronto waste issues. For ten years, her household has avoided sending 95 per cent of their wastes to disposal by reusing, recycling and composting. Ms. Buck strongly believes that zero waste is achievable.

#### **Carman Chisamore**

A retired professional engineer with 25 years experience with the Ontario Ministry of Environment specializing in solid waste management, resource recovery, waste reduction and energy from waste, Mr. Chisamore is familiar with research, evaluation and report preparation. He has participated on solid waste reduction committees and the Deep Lake Water Cooling Task Force.

#### **Elaine Lepage**

A strong supporter of recycling, Ms. Lepage believes in research and experience as key for change. She understands the need for help from many sources for an efficient and cost-effective plan for solid waste management.

**Joy McIntosh**

A member of Toronto Environmental Volunteers, Ms. McIntosh has studied Environmental Health at the Ontario Institute for Studies in Education. She has organized recycling in multi-unit residences and is a retired employee of Canada Mortgage and Housing Corporation with the communication, organizational and practical skills to facilitate working on the Advisory Group.

**Lyle Scott, P.Eng.**

A professional engineer experienced in energy engineering, facility management (hospital incinerators, steam power plants and diesel generators) and sustainable development in new construction, Mr. Scott also has extensive experience in energy management. He was formerly spokesperson at the request of the Natural Resources Canada on energy-efficiency initiatives and has researched several technologies available for high-rise multi-residential organic recycling. He has assisted the City of Toronto's Works and Emergency Services Department with a recent multi-residential source separated organics forum and is presently involved in research, integration and implementation of new technologies for development projects.

**Dr. Steven Zhang, Ph.D.**

Dr. Zhang holds a Doctorate of Engineering and has extensive experience in the treatment and management of solid waste, wastewater and gas by-products, and plastic material recycling.

**Voting Members**

**Stakeholder Group**

**Carol Buss**, representing the Business Improvement Areas/Board of Trade:  
Toronto Association of Business Improvement Areas

**Brad Butt**, representing the Greater Toronto Apartment Association:  
As Executive Director for the Greater Toronto Apartment Association, Mr. Butt has more than ten years experience in the property management sector and serves as a member of the City of Toronto Rental Housing Advisory Committee.

**Rob Cook**, representing the Ontario Waste Management Association:  
As Executive Director for the Ontario Waste Management Association, Mr. Cook is a professional association manager representing private sector waste management and recycling companies in Toronto and across Ontario. He has over four years experience in the waste management sector and received an Honours Bachelor of Environmental Studies degree from the University of Waterloo.

## **Non-voting**

### **City of Toronto Councillor Representatives:**

**Councillor Bas Balkissoon** (Ward 41 Scarborough-Rouge River), Works Committee member

**Councillor Betty Disero** (Ward 17 Davenport), Co-chair, Waste Diversion Task Force 2010

## **Observers**

### **Adam Ciulini**

Mr. Ciulini is Team Leader, Program Implementation, with the Waste Management Policy Branch of the Ontario Ministry of the Environment. He has been involved in the area of solid waste management since joining the Ministry in 1972. He has worked on technical support, policy development and program implementation in the field of waste reduction, reuse and recycling and recovery. He has participated in many solid waste management initiatives for the province and has a broad understanding of waste management matters as they relate to the Ministry's environmental protection and resource conservation objectives.

### **Geoff Rathbone**

Mr. Rathbone works for the City of Toronto and is the Director of Policy and Planning for the Solid Waste Management Services Division. He is responsible for planning systems to meet the City's diversion goals. Prior to joining the City in 2001, Mr. Rathbone was Vice-President, Market and Technical Development for CSR (Corporations Supporting Recycling), charged with developing sustainable end markets for Ontario's curbside recyclables. He served as Secretary for the Waste Diversion Organization Program Committee established by the current provincial government. Previous experience also includes positions with Laidlaw Waste Systems Ltd., Domtar Recycling, the Region of Essex-Windsor and Environment Canada. Mr. Rathbone was Past Treasurer, Director for the Recycling Council of Ontario (RCO) and was Chairperson of the Ontario Waste Management Association 3R's Committee.

### **Mahesh Patel**

Mr. Patel works for Toronto Public Health as Acting Manager of Healthy Environments, which involves managing, leading and supporting a team of health hazard inspectors in the City's North Region. His city-wide portfolio includes Enforcement and Legal process lead and the Safe Water lead. Mr. Patel received a B.Sc. (Honours) degree in Applied Chemistry from Kingston University, London, U.K. and a B.A.A. degree in Environmental Health from Ryerson Polytechnic University, Toronto, as well as a Certificate in Public Health Inspection from the Canadian Institute of Public Health Inspector. He is a graduate of the Royal Society of Chemistry.

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**David Hewitt**

Mr. Hewitt is Chair of the Solid Waste Unit for Canadian Union of Public Employees Local 416. He has 15 years experience as a driver/loader for the City of Toronto's Solid Waste Management Services Division.

**'Mieke Foster**

Ms. Foster is the waste management specialist at the Toronto District School Board.

More details about the new and emerging technologies process is available on the City's web site at: [www.toronto.ca/wes/techservices/involved/swm/net/index.htm](http://www.toronto.ca/wes/techservices/involved/swm/net/index.htm)

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