

# The Digital Pipe Digest



Canadian Concrete Pipe Association  
Association des Canadienne de Fabricants de Tuyaux de Béton

Editor: A. Grant Lee, MCIP, RPP, FCInst.M      October 2003

## ***Prequalification Program stretches beyond Ontario***

Program for Precast Concrete Drainage Products now is an industry standard beyond the Ontario border. The program, initially developed in 1965 as a cooperative effort between the Ontario Water Resources Commission and the Ontario Concrete Pipe Association, is the premier "Third Party Certification" Program for precast concrete structures in North America. The initial program was for pipe up to 900mm only. Today's program covers a much wider range of precast concrete drainage products and is continually reviewed. The program was developed based on the CSA A257 standard, and will be updated with the release of a new CSA A257 scheduled for later this year. The updates are a result of a two-year consultation process with organizations within and outside of the industry.



*Look for the 'P' on precast concrete structures*

Currently, there are nine pipe plants and five other plants producing precast concrete products certified in Ontario. In addition, precast concrete producers in Quebec, Manitoba, Alberta and Michigan have been prequalified for some products.

Continuing efforts to differentiate our products from other pipe products are extremely important. Industry-wide "Third Party Certification" is one clear way to demonstrate product quality, when compared to HDPE.

For more information on the Plant Prequalification Program for Precast Concrete Drainage Products contact the OCPA through their Web site at [www.ocpa.com](http://www.ocpa.com)

## ***Technology Road Map released***

The Expert Panel on the Civil Infrastructure Systems Technology Road Map has released its report on the state of the civil infrastructure in Canada.

The Expert Panel, consisting of the foremost leaders in the field of infrastructure is chaired by Mr. Reg Andres of R.V. Anderson Consulting Engineers.

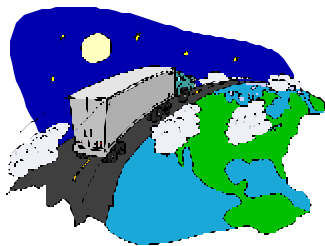
The report of the Expert Panel was released too much fan fair by the federal Minister responsible for infrastructure, the Honorable Alan Rock.

The report is quite lengthy, and we are not able to do it justice in this limited space, however, some significant items arising from the report include:

- There is a demonstrated need for action as the national infrastructure debt is \$57B,
- The federal government must play an active role in addressing this debt,
- Improved inventory and condition assessment information must be collected by all municipalities,
- Life Cycle Cost/Benefit must be integrated into the procurement process,
- Infrastructure Canada must establish a national innovative-technologies demonstration program,
- A network of Centers of Excellence to promote excellence in infrastructure management and develop tools to assist practitioners is essential,
- Put legislation in place to require dedicated funds for infrastructure research and development,

Incorporate infrastructure rehabilitation and maintenance into post-secondary education and into continuing education programs,

- Measure the success of the Technology Road Map over 5 year intervals, and
- The professional organizations that lead the Technology Road Map (TRM) and the Expert Panel offer their expertise to organizations that adopt the concepts within the TRM, and assist them in achieving the objectives.



As can be determined, this is a very large task to accomplish, especially since no dedicated funding currently exists for achieving the TRM.

All three levels of government will need to buy in to the concept in order for it to be successful.

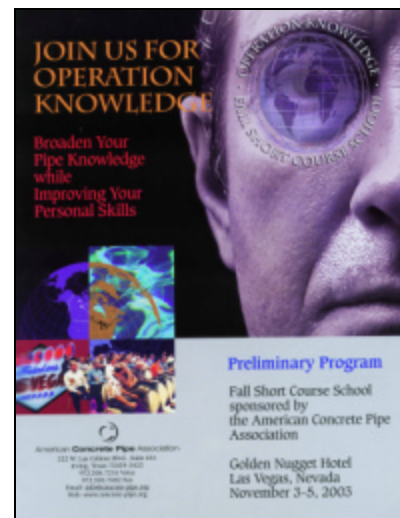
To access the TRM, you may visit the Canadian Society for Civil Engineers website at [www.csce.ca/TRM/index.htm](http://www.csce.ca/TRM/index.htm).

### ***Last call for ACPA's Fall "Sales & Marketing" Short Course School***

Time is quickly running out to register for the annual ACPA Fall Short Course School for sales and marketing. This year the school has been extended to sponsored guests. Invitations were sent to over 10,000 civil engineers throughout the U.S.A. and Canada. Guests must be sponsored by an ACPA member who would sign their registration form. Sponsored guest registration (\$175.00) is restricted to non-pipe producing

organizations and entities. Non-ACPA producer members are welcome to attend at the non-member rates.

On Monday, November 3, sponsored guests and ACPA members will meet in Las Vegas, Nevada for the 3-day event. Over 225 attendees are expected to experience "Operation Knowledge" at the Golden Nugget Hotel and Casino in downtown Las Vegas, November 3 to 5.



"Today's pipeline professionals are constantly being bombarded with information about new drainage materials, product specifications, installation challenges and budget restraints," said Mike Saubert, ACPA's director of marketing and coordinator of the Fall SCS. "Just knowing your product won't cut it anymore – you must know and understand your customers, whether consulting engineers, elected officials, private developers, contractors, or perhaps the electorate of your community. The key to effectively responding to the demands of today's pipeline and infrastructure world is knowledge. That's what the Fall Sales and Marketing short course School is all about," Saubert said.

Contact Mike Saubert at the ACPA for registration information at [msaubert@concrete-pipe.org](mailto:msaubert@concrete-pipe.org) or 972-506-7682

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## ***Second Annual “Developing Toronto’s Waterfront Conference” coming in February***

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The Strategy Institute is pleased to announce the **2nd ANNUAL DEVELOPING TORONTO’S WATERFRONT CONFERENCE**, happening on **February 19th and 20th, 2004**.

This landmark conference will be a major follow-up event, bringing both industry and government representatives together in an environment that will spur discussion and debate plus offer outstanding networking opportunities. Key issues affecting the development projects now and in the future will be addressed in depth.

The **2nd ANNUAL DEVELOPING TORONTO’S WATERFRONT** is a “must-attend” event for senior industry representatives including Elected Government Officials, Infrastructure/Business Development Managers, Real Estate Planners, Engineers, Urban Planners, Architects, Financiers, Brownfield Land Owners, Risk Managers, and Environmental Consultants.

This event will present important analysis on the issues affecting the key stakeholders from different perspectives. Delegates will hear from experts delivering sessions that will focus on relevant updates to the waterfront development project and case studies from North America. Invited speakers represent organizations such as:

- Toronto Waterfront Revitalization Corporation
- Koetter Kim & Associates
- Lura Consulting
- Dept of Economic Development, Culture and Tourism, City of Toronto
- City Planning Commission, City of Cleveland
- SmithGroup JJR
- Gowlings Lafleur Henderson Dept of Environment and Local Gov’t, NB

- Ontario Tourism Marketing Partnership Corporation
- Details about the conference can be obtained at:

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## ***Global Water and Waste Report is published***

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This report surveys the water and wastewater utility industry of the world.

Every country with a piped system is covered in depth and the water usage resources and consumption figures are provided for 150 countries.

Data is provided on the structure of the industry, the companies and organizations involved in the water supply, wastewater utility sector, their financial and operational details, energy resources, network and sales are all provided.

- Facts, Structure, Companies
- The Water and Waste markets are changing fundamentally
- Much new information since 4th Edition in 1999
- US and EU environmental legislation bite
- Vast investment requirements everywhere
- A reference source for 183 countries
- 1,880 water and waste utilities
- Over 50 comprehensive new surveys of CIS, West and East European and developing countries in the WWS sectors
- The new breed of multi-utility water companies profiled

For a complete index of this report click on <http://www.researchandmarkets.com/report/s/9954>

The report provides comprehensive information and analysis of every country's WSS industry and about almost 1,900 utilities supplying water and waste services.

## CONTENT

### ECONOMIC PROFILE

Population

Urban population GDP

GDP % growth GDP per capita

GDP per capita % growth

Average inflation

Composition of GDP

Agriculture, Industry, Services

Exports and Imports

### WATER STATISTICS

Water resources

Annual abstraction

Water consumed

Sanitation provision levels

Access to drinking water

(Note: These figures have been scrutinized in depth and expanded. Previous figures depended on overall UN data which frequently overstates the position, stating access levels for water and sanitation with no reference to the level of the service.)

### WATER INDUSTRY BACKGROUND

Outline of each country's water industry

Outline of the waste water industry

State of the infrastructure

Regulation and legal framework

### STRUCTURE AND COMPANIES

Name, address, phone, fax

Ownership and subsidiaries

Activities and operations

Water supply activities

Waste water services

Infrastructure and network

Development plans

Customer details

Financial statistics

Index by company name

Deregulation is transforming the energy sector. It is now coming to the water and waste sector. Globally, the number of urban dwellers without access to safe water increases continuously, while the governments of the industrialized countries legislate for improved water and sanitation standards. To meet these mandatory requirements water and waste utilities in the US and the EU, including accession countries to the EU in Eastern Europe will have to find over \$1 trillion in the next ten years. The US municipals have to find \$80 billion out of \$138 billion over the federal government subsidy; the EU will need \$482 billion and the accession countries yet more.

### The Water Giants

As in the energy markets the big players are buying up smaller companies and consolidating into new giant operators. The French have led the way in the water and waste business. Vivendi, Ondeo and Saur are the largest water companies in the world. They cut their teeth in France during the last 150 years and now have operations with concessions in some 130 countries. RWE, the German energy major is fast catching up with the French leaders in the water sector. Following some way behind come the British, American and Spanish companies. But they in turn are being bought up by the big four in France and Germany.

The market leaders, Vivendi, Ondeo, Saur of France and more recently RWE of Germany are hungrily buying up water companies which face huge investment obligations in response to the environmental legislation. Thames Water and American Water Works, the UK and US market leaders have been bought by RWE, as well as (ex-Enron) Azurix; United Water Resources Inc, Agbar and Northumbrian Water by Suez/Ondeo; US Filter and PSG by Vivendi. These are the largest major acquisitions made by the water and energy giants in the last few years.

The four leading water and waste companies now have operations encompassing 130 countries.

This development of the infrastructure is recasting the infrastructure of the water and waste sector globally. The environmental sector is structured quite differently from the electricity and gas sectors. Electricity and gas are commodities to be bought and sold, but many people perceive water differently. In many countries the legal framework restricts the course of action open to the water industry much more rigidly than for the energy sector. In most countries the battle to privatize energy has been won or is now being waged, but not so in the WWS sector. New models are evolving which combine social ownership with business operating efficiency. The structure of the WWS sector, as outlined in this new 5th Edition of Water and Waste Utilities of the World, is quite different from the industry described in the previous edition published in 1999. The water industry used to be rather static with little change from year to year, but that is no longer the case.

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## ***Do you have your Privacy Policy Procedures prepared?***

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As of January 1, 2004 you are required by law to supply any person who asks, a written copy of your Privacy Policies and Procedures.



### Are you ready?

Every Canadian business, no matter how large or small, will have to comply with the new federal privacy laws. Businesses will be required to protect the personal information of their customers, employees, members and others who have provided data. Companies will be required to put into place policies and systems to manage the collection, use and dissemination of such personal information. Find out how this will affect your business and what you need to do. More details on this law can be viewed at

<http://www.privcom.gc.ca>

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## ***Concrete Pipe Industry Billboard***

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### **2003**

#### **WEFTEC 2003**

Los Angeles Convention Center  
October 11 to 15

#### **ACPA Fall Marketing Short Course School**

Las Vegas, Nevada  
November 3 to 5

#### **OCPA Technical Symposium 2003**

Toronto, Ontario  
November 18

#### **Construct Canada**

Toronto, Ontario  
December 3 to 5

#### **Canadian Public Works Expo**

Mississauga, Ontario  
December 3 to 4

### **2004**

#### **TRB 83<sup>rd</sup> Annual Meeting**

Washington, DC  
January 11 to 15

#### **ACPA Production Short Course School/MCPX**

Atlanta, Georgia  
February 4 to 6

#### **CCPA/OCPA Annual General Meetings**

Delta Whistler Resort, Whistler, B.C.  
February 12 to 13

#### **World of Concrete 2004**

Orlando, Florida  
February 16 to 19

#### **NUCA 2004**

Walt Disney World Dolphin Resort Orlando, Florida  
February 18 to 22

#### **96<sup>th</sup> Annual Meeting of the ACPA**

Ritz-Carlton Half Moon Bay, San Francisco  
March 14 to 17

#### **Ontario Good Roads Association Conference**

Toronto, Ontario  
February 22 to 25

#### **BAUMA**

Munich, Germany  
March 29 to April 4

#### **Water Environment Association of Ontario**

London, Ontario  
April 18 to 20

#### **Ontario Water Works Association Conference and Trade Show**

Niagara Falls, Ontario  
May 9 to 11

#### **ACPA CPU 101 – Concrete Pipe University**

Irving, Texas  
June 3 to 4

**Ontario Environmental Tradeshow and Environmental, Compliance & Engineering Conference & Workshops**

Toronto, Ontario  
May 12 to 13

**AWWA Conference & Exposition**

Orlando, Florida  
June 13 to 17

**Federation of Canadian Municipalities 66<sup>th</sup> AGM and Municipal Expo**

Edmonton, Alberta  
May 28 to 31

**Canadian Society for Civil Engineering Annual Conference**

TBA

**STORMCON**

Palm Desert, California  
July 26 to 29

**ASCE Pipelines 2004 Conference**

San Diego, CA  
August 1 to 4

**ACPA Committee Week & CPU 301**

Nashville, Tennessee  
August 8 to 9

**APWA Congress & Exposition**

Atlanta, GA  
September 12 to 15

**Transportation Association of Canada (TAC) Annual Conference**

St. John's, Nfld.  
September 21-24

**International NO-DIG 2004**

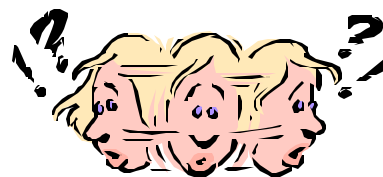
Hamburg, Germany  
November 15 to 17



**ACPA Video Production Gaining Momentum**

ACPA's latest video, produced by the PCA-ACPA Joint Promotion Committee titled "Quality You Can count On," was edited again in July and August. It will soon be ready for release. Marketing Committee members voted to proceed with a new video focusing on marketing RCP to DOTs and municipalities as the fourth and final video in the PCA-ACPA joint promo. The Marketing committee will also consider another video topic outside of the PCA support program.

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