

The Digital Pipe Digest



Canadian Concrete Pipe Association
Association Canadienne Des Fabricants De Tuyaux De Béton

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

June 2000

Freedonia Group to publish "Plastic & Other Pipe – Private Companies Report"

The Freedonia Group is about to publish its research on plastic and other pipe. The company is a source of information on industrial activity, and periodically publishes information on the drainage pipe industry.

A page on its Web site notes that seven private US firms generate pipe sales of over \$200 million, with 14 others topping \$100 million. The report profiles 140 + private US pipe companies. It also lists companies by product and location, and includes market shares, industry demand forecasts and acquisition trends (284 pages).

The report was to be available mid May 2000. For more information on how to acquire this report, or various sections, see <http://freedonia.imrmall.com>.

Major New Zealand Concrete Pipe Producer Needs Information

Peter Carroll, Technical Services Manager of Hynds Pipe Systems Ltd., in Auckland New Zealand has contacted the CCPA seeking information. Hynds is a proud member of the Concrete Pipe Association of Australasia (CPAA), that uses the wet spin process. Peter is very active with the CPAA.

Mr. Carroll reports that there is presently a move in some local district councils towards plastic manholes and 300 mm diameter non-man access chambers that only allow a cleaning machine down into the sewer.

He is looking for any information that might be available on these subjects, as well as information on the types of cleaning machinery available for this sort of application.

Contact Peter at peterc@hynds.co.nz

Research

Let the CCPA know of any new research in your geographic or market area that would affect the concrete pipe industry in Canada and the USA.

Concrete Pipe Industry Billboard

Concrete Pipe University - CPU 101

Plan to attend CPU 101 at The Harvey Hotel – DFW in Irving, Texas June 15 to 16 to learn the basics of hydraulics, soil properties and the direct design method for determining pipe class.

This program was created by the American Concrete Pipe Association to provide continuing education to technical personnel within the concrete pipe industry.

Contact the ACPA at 972-506-7216 for more details or contact the Association through its web site at www.concrete-pipe.org.

ACPA Committee Week

Hyatt Regency, Dallas, Texas
July 30 to August 2, 2000

2000 Super Conference and Trade Show

The Western Canada Water and Wastewater Association has joined with the Manitoba Chapter of the Canadian Public Works

Association and the Prairie Chapter of the Solid Waste Association of North America to host the 52nd Annual Western Canada Water and Wastewater Conference at the Winnipeg Convention Centre, November 5 to 8, 2000.

ACPA Marketing Short Course School

The Riviera, Las Vegas
November 8 to 10, 2000

ACPA 93rd Annual Meeting

The Grove Park Inn Resort, Asheville, NC
March 27 to 30, 2001

CCPA Media Campaign Update

A CCPA media campaign has been launched to complement the media programs of the ACPA, OCPA and Tubécon.

Environmental Science & Engineering magazine published the article by Ryan Finley of Lafarge Canada Inc. titled "Precast concrete box culvers save large animals and costs to motorists" in its March 2000 issue. The article has also been selected by the Portland Cement Association to be included in an insert for an upcoming issue of *Engineering News Record* in the USA.

Toronto Construction News has requested articles from the CCPA for its May/June issue on concrete. An article by staff at Centennial Concrete describing the use of precast concrete drainage products in a high profile development in Georgetown, Ontario will be published in June. The same article, "Precast concrete drainage products used for high profile development" was published in the June issue of *Environmental Science & Engineering*.

Look for publication of an article by Mike Smith of Inland and Mike Schmittler of Lafarge on *Standard Installations*. The article has been accepted for publication in *Toronto Construction News*. Interest has also been expressed by the ACPA for *Concrete Pipe News*. It will also be available for the OCPA's *Concrete Pipe Journal*. The article will also be sent to other industry publications in the US and Canada to attempt to get as much attention to the subject as possible.

The CCPA's Web site has been updated. We expect the revised site to be uploaded sometime during the week of June 10. Published articles will be archived on the site as new features are introduced throughout the year. The site has direct links to the OCPA, ACPA and Tubécon. PipePac is only available from the ACPA and OCPA sites.

Contact Grant Lee at lee@aztec-net.com for details.

Draft 6 of Toronto's Sewer Use Bylaw released mid April

Following consultation with the City Legal Services Department, the City of Toronto's proposed new Sewer Use By-law has been revised once more. Draft 6 of the new law includes a number of technical amendments that were necessary to enhance enforcement of the legislation.

The City will propose specific requirements for each industry sector and provide training and a guidance manual to assist industries in the preparation of Pollution Prevention Plans. The pretreatment and self-monitoring and reporting requirements and the sizing and technical details relating to each of the interceptor devices have been deleted.

Draft 6 of the proposed By-law is available on the City of Toronto web site at www.city.toronto.on.ca.

For more information contact Victor Lim, City of Toronto (416) 392-2966, e-mail: vlim@city.toronto.on.ca.

Sewer Use By-laws have been helpful in providing a better environment for the use of precast concrete drainage products. When being updated, industry representatives should review these By-laws and offer comments where possible.

Fatal Fire threatened sewer system in Montreal

Investigations are continuing after a fatal semi-trailer fire and a potentially explosive gasoline leak that paralyzed traffic at the east end of Montreal Island on May 4.

The tragedy occurred on Highway 40 a major transportation artery through the city. The road network on the island has only 22 points of entry and exit.

The driver of a truck that had collected 54,000 litres of gasoline from a Shell refinery in Montreal East lost control on the Highway 40 service lane in Anjou and flipped over.

Although about 85 per cent of the gas burned during the fire, some of it seeped into nearby manholes and into the city's sewers. Several manholes near the fire blew open as gasoline in the sewers started to burn. The gasoline quickly spread through the island's network of sewers.

The accident caused many key transportation route closures. Almost immediately after the fire started, the westbound metropolitan service road at the Anjou interchange was closed at the junction of Highways 40 and 25. The Lafontaine tunnel was closed through rush hour, and the Charles de Gaulle Bridge at the east end of the island was also closed. Eastbound Highway 40 was closed at Lacordaire, and Highway 25 from the South Shore to the Anjou interchange was closed. Traffic was congested for hours.

Ventilation systems were placed over a number of manholes to dissipate gasoline vapours. And water from fire hydrants was poured into the city's sewers to dilute the gas. The sewer contents flowed to three container tanks near Notre Dame and Dickson Sts. The city warned all residents of the affected area to take precautions at night, and to be especially alert for gas odours.

(Thanks to Ian Hatton for providing the information.)

For additional media coverage, contact Nathalie Lasnier at Tubécon. She can be reached at (450)-677-2029 or by e-mail at tubecon@cam.org.

Selection of pipe size

John J. Meyer, P.E. of American Concrete Pipe Company, Inc. has provided a flyer from his company that demonstrates that concrete pipe has 14.24% more capacity than profile wall polyethylene pipe with an interior liner. The flyer deals with Manning's "n".

You can get a copy of the flyer by contacting John at (414) 466-4990

Inverts & Obverts

- **Need Articles.** The OCPA and ACPA produce the best industry magazines/newsletters for the concrete pipe industry in North America. Both organizations are looking for technical articles and case studies for year 2000 publications. Please respond to Mel Marshall's call to share the technology of your projects with colleagues in the industry as well as specifiers, contractors and owners of precast concrete drainage products.

Contact Grant Lee at lee@aztec-net.com with suggestions or project outlines.

- **BOXCAR – New Windows Version 2.0 ready!**
The ACPA has announced that the Windows version of Boxcar Software has been received in the ACPA offices and is being prepared for shipment to ACPA members. One copy of the

CD-ROM will be mailed to each member company. Additional copies can be purchased from ACPA's Resource Centre by calling (800) 290-2272.

For more information, contact Josh Beakley at the ACPA offices (972) 506-7216, or e-mail:

jbeakley@concrete-pipe.org.

- **Call for papers**
The TRB A2C06 Committee on Culverts and Hydraulic Structures is planning on holding a paper session on the Rehabilitation of Culverts at the January

2001 TRB meeting in conjunction with the A2K04 Committee on Subsurface Soil-Structure Interaction. The Committee is currently looking for 200-300 word abstracts from individuals wishing to participate in the paper session. If you are currently involved with a rehabilitation project (or recently completed one), and are interested in presenting a paper, or are aware of someone else who would be interested in presenting at the January TRB meeting in Washington, D.C., please contact Josh Beakley at the ACPA offices. The deadline for submitting papers or abstracts is August 1, 2000.

Josh can be contacted at (972) 506-7216, or e-mail: jbeakley@concrete-pipe.org.

➤ **SIDD**

The ASTM committee that developed ASCE 15-93 “Standard Practice for Direct design of Buried Precast Concrete Pipe Using Standard Installations (SIDD)” continues to work on improving the design and installation standards for buried precast products. Some of the committee’s more recent soon-to-be-released work includes; a standard for the direct design of box sections, a standard for the direct design of precast concrete pipe used for jacking, and a standard for the direct design of precast concrete box sections used for jacking. The majority of their current efforts revolve around developing a new standard for direct design of low-head pressure pipe using standard installations.

For more information, contact Josh Beakley at the ACPA offices (972) 506 7216, or e-mail: jbeakley@concrete-pipe.org.

➤ **Jeff Enyart receives ASTM award**

Jeffrey (Jeff) I. Enyart, P.E. vice president, ISG Resources, Houston, Texas has received a 1999 American Society for Testing and Materials (ASTM) Award of Merit from Committee C13 on Concrete Pipe. The title of Fellow accompanies the award, which is the highest Society award granted to an individual member for

distinguished service and outstanding participation in ASTM technical committee activities. Jeff was cited for meritorious service and leadership in advancing standards for concrete pipe and for guidance of committee programs and processes.

Jeff is a former President of the ACPA.

➤ **Drew Black accepts position with Blue Circle Aggregates**

Drew Black has finalized his overseas assignment in Chile as General Manager of Hasbun, S.A. and accepted a new position as Marketing Manager, Special Products Group, Blue Circle Aggregates. In his new position, with headquarters in Atlanta, Drew will also have responsibility for international sales and marketing for the Special Products Group.

Drew was an active member of both the ACPA and OCPA.

Drew can be reached at drew-black@home.com.

➤ **Nationwide (including Canadian Producers) ACPA survey underway**

As part of the “Joint Promotion Plan on Concrete” prepared by the steering committee of the Portland Cement Association, ACPA and American Pressure Pipe Association, the ACPA is undertaking a nationwide survey on precast concrete pipe attitudes, awareness and usage.

The survey is currently being completed with results available by the end of July 2000. Information from the survey will be used to fine tune tactical work plans and make sure the program objectives and strategies are in line with local promotional needs.

State, regional and provincial concrete pipe association executives, meeting on August 3 as part of the ACPA’s Committee Week 2000 activities, will review the survey and provide input on the program’s strategic and tactical plans.

➤ **Is road salt toxic?**

Road salt is being assessed under the Priority Substances List Program, which falls under *The Canadian Environmental Protection Act*. Salt, along with many other substances, must be reviewed by December 2000.

It seems very likely that salt will be designated “toxic” as a result of the assessment.

At the present time, the Expert Resource Group on Road Salt has completed its report and it is now in the hands of the federal ministry staff. Ministry staff will issue a tentative decision on the Expert’s report in July 2000 and this will be followed by public hearings with a Cabinet decision by the end of 2000.

The federal Minister of the Environment, David Anderson, has stated that, “should it be determined that road salt is toxic, *The Canadian Environmental Protection Act* (CEPA) calls for the development of proposed management instruments within two years. These instruments can be

varied and could include codes of practice, memoranda of understanding, regulations and pollution prevention plans.”

The Minister said that his ministry would work with concerned parties to develop and implement management plans.

(Source: *Municipal Routes*, March/April 2000 Issue 63)

This anticipated action by the federal government should have favourable long-term impacts on the performance of buried concrete infrastructure.

➤ **Lots of concrete pipe in the Metro Manila**

On a recent trip to the Philippines, it was apparent that precast concrete pipe is the product of choice for sanitary and storm sewers, and culverts. Large and small diameter concrete pipe was used for storm drainage on highways, local roads and light rapid transit lines. It was observed being installed in subdivisions and institutional sites. Jointing appears to be completed with concrete collars. No rubber compound gaskets were evident.

The wet soil conditions may be a major factor in the choice of concrete pipe. Small diameter (1-foot) was observed being produced by many small operations that also produce concrete blocks. There are, however, large precast concrete pipe plants in the Metro Manila area that supply large and small diameter products to local transportation and public works authorities, and retailers. (G. Lee)

The Digital Pipe Digest is published by the Canadian Concrete Pipe Association through AGL Marketing Limited. The Digest is being distributed via Internet technology and the World Wide Web. Information is believed to be correct at time of publication. The CCPA shall not be liable for any error or omission. It is published and distributed monthly, and is intended to provide general information, with contacts.